APPENDIX C

ANALYTICAL RESULTS, LABORATORY ANALYTICAL REPORTS, AND CHAIN OF CUSTODY FORMS

PART 2

ANALYTICAL REPORTS

240-17477-1

240-22141-1

(Note—To be provided on disc only)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-17477-1

Job Description: RVAAP - ECC

For:
Environmental Chemical Corp.
33 Boston Post Road West
Suite 40
Marlborough, MA 01752

Attention: Mr. Jackson Kiker

Approved for release.
Mark J Loeb
Project Manager II
12/20/2012 3:47 PM

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12/20/2012

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CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-17477-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The 353.2 Nitrocellulose, 8330 Nitroguanidine and 8330B Explosives analysis were performed at the TestAmerica Sacramento Laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

TestAmerica utilizes USEPA approved methods and DOD QSM, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

All parameters for which TestAmerica North Canton has certification were evaluated to the limit of detection (LOD) and include qualified results where applicable. Parameters not certified under QSM, if any, were evaluated to the detection limit (DL) and include qualified results where applicable.

The sample(s) that contain constituents flagged with U are undetected. The result associated with this flag is the limit of detection (LOD).

RECEIPT

The samples were received on 11/09/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.4 and 2.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 079SS-0004M-0001-SO (240-17477-6) and 079SS-0005M-0001-SO (240-17477-7) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were prepared on 11/09/2012 and analyzed on 11/15/2012 and 11/16/2012.

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria high for 079SS-0004M-0001-SO (240-17477-6), 079SS-0005M-0001-SO (240-17477-7), and 079SS-0004M-0001-SOMS (240-17477-6MS).

4-Methyl-2-pentanone (MIBK), Acetone and Styrene were detected in method blank MB 240-65171/8 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Several analytes were detected in method blank MB 240-65336/8 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Acetone failed the recovery criteria high for MRL 240-65171/29 and MRL 240-65171/5.

Carbon disulfide failed the recovery criteria low for MRL 240-65336/24. Acetone failed the recovery criteria high.

Carbon disulfide failed the recovery criteria low for MRL 240-65336/5. Acetone and Methylene Chloride failed the recovery criteria high.

The compound Acetone failed the 70-130% criteria for both the opener and closing MRL in analytical batch 64980. This compound is a common lab contaminate which is effected more at the lower concentrations. The recovery failed high in both analyses.

Internal standard responses were outside of acceptance limits for the following samples: 079SS-0004M-0001-SO (240-17477-6), 079SS-0004M-0002-SO (240-17477-6 MS), 079SS-0004M-0002-SO (240-17477-6 MSD). The samples show evidence of matrix interference.

Surrogate recovery for the following samples were outside control limits: 079SS-0004M-0001-SO (240-17477-6), 079SS-0004M-0002-SO (240-17477-6 MS). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

Internal standard responses were outside of acceptance limits for the following sample: 079SS-0005M-0001-SO (240-17477-7). The sample shows evidence of matrix interference.

Method(s) 8260B/DoD: Surrogate recovery for the following sample was outside the upper control limit: 079SS-0005M-0001-SO (240-17477-7). This sample did not contain any target analytes.

An MS/MSD was done on another sample in this tune, however it was reported in a different batch. The sample effected was 079SS-0005M-0001-SO (240-17477-7).

No other difficulties were encountered during the VOCs analyses. All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 079SS-0006-0001-TB (240-17477-8) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were analyzed on 11/13/2012.

Methylene Chloride was detected in method blank MB 240-64831/6 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Methylene Chloride failed the recovery criteria high for MRL 240-64831/12. Bromomethane, Chloroethane, Chloromethane and Methylene Chloride failed the recovery criteria high for MRL 240-64831/5. Refer to the QC report for details.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 64831.

The method blank for preparation batch 64831 contained Methylene Chloride above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

No other difficulties were encountered during the VOCs analysis. All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS) WITH INCREMENTAL SAMPLE PREPARATION

Samples 079SS-0004M-0001-SO (240-17477-6) and 079SS-0005M-0001-SO (240-17477-7) were analyzed for Polychlorinated biphenyls (PCBs) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8082 DOD. The samples began the drying and disaggregation process on 11/12/2012, prepared on 11/20/2012 and analyzed on 11/27/2012.

No difficulties were encountered during the PCBs analyses. All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) WITH INCREMENTAL SAMPLE PREPARATION

Samples 079SS-0004M-0001-SO (240-17477-6) and 079SS-0005M-0001-SO (240-17477-7) were analyzed for semivolatile organic compounds (GC-MS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8270 DoD. The samples began the drying and disaggregation process on 11/12/2012, prepared on 11/21/2012 and 12/05/2012 and analyzed on 12/03/2012 and 12/07/2012.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-65933/23-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

1,2-Dichlorobenzene was detected in method blank MB 240-65933/23-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

3,3'-Dichlorobenzidine failed the recovery criteria low for the MS/MSD of sample 079SS-0004M-0001-SOMS/MSD (240-17477-6) in batch 240-67729. Refer to the QC report for details.

Bis (2-ethylhexyl) phthalate was detected above the reporting limit (RL) in the method blank associated with batch 65933 as well as in the following samples: 079SS-0004M-0001-SO (240-17477-6), 079SS-0004M-0002-SO (240-17477-6 MS), 079SS-0004M-0002-SO (240-17477-6 MSD), 079SS-0005M-0001-SO (240-17477-7). The affected samples were re-extracted and re-analyzed outside of holding

time with all QC criteria being met. As per client request a combination of both sets of analyses have been reported.

No other difficulties were encountered during the SVOCs analyses. All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 068SW-0013-0001-SW (240-17477-1), 068SW-0014-0001-SW (240-17477-2), 068SW-0015-0001-SW (240-17477-3) and 068SW-0016-0001-SW (240-17477-4) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/14/2012 and analyzed on 11/16/2012.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

3,3'-Dichlorobenzidine failed the recovery criteria low for the MS of sample 068SW-0016-0001-SWMS (240-17477-4) in batch 240-65294. Refer to the QC report for details.

No other difficulties were encountered during the SVOCs analyses. All other quality control parameters were within the acceptance limits.

PESTICIDES WITH INCREMENTAL SAMPLE PREPARATION

Samples 079SS-0004M-0001-SO (240-17477-6) and 079SS-0005M-0001-SO (240-17477-7) were analyzed for pesticides with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8081 DoD. The samples began the drying and disaggregation process on 11/12/2012, prepared on 11/20/2012 and analyzed on 11/28/2012 and 11/29/2012.

Tetrachloro-m-xylene failed the surrogate recovery criteria high for 079SS-0004M-0001-SOMS (240-17477-6MS) and 079SS-0004M-0001-SOMSD (240-17477-6MSD). Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS and MSD of sample 079SS-0004M-0001-SO (240-17477-6) in batch 240-66829.

Samples 079SS-0004M-0001-SO (240-17477-6)[50X] and 079SS-0005M-0001-SO (240-17477-7)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples were diluted due to the nature of the sample matrix: 079SS-0005M-0001-SO (240-17477-7) and 079SS-0004M-0001-SO (240-17477-6). Elevated reporting limits (RLs) are provided.

The closing MRL associated with batch 66500 recovered above the upper control limit for Aldrin . The samples associated with this MRL 075SD-0002-0001-SD (240-17467-2), 077SS-0001M-0001-SO (240-17525-5), 079SS-0005M-0001-SO (240-17477-7) were non-detects for the affected analyte; therefore the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 66500 recovered above the upper control limit. The samples associated with this CCV075SD-0002-0001-SD (240-17467-2) were non-detects for the affected analytes; therefore the data have been reported.

The opening and closing continuing calibration verification (CCV) associated with batch 66500 recovered above the upper control limit. The samples associated with this CCV077SS-0001M-0001-SO (240-17525-5), 079SS-0005M-0001-SO (240-17477-7) were non-detects for the affected analytes; therefore, the data have been reported.

The peaks for DDD and Endosulfan II merged on the primary column. The associated samples075SD-0002-0001-SD (240-17467-2), 077SS-0001M-0001-SO (240-17525-5), 079SS-0005M-0001-SO (240-17477-7) were all non-detect for the affected analytes on the confirmation column; therefore the data have been reported. The QC data associated with these samples are reported from the confirmation column for these analytes.

Heptachlor Epoxide is reported from the confirmation column for the matrix spike (MS) and matrix spike duplicate (MSD) data with the associated parent samples 077SS-0001M-0001-SO (240-17525-5) because of matrix interferences on the primary column.

The closing MRL associated with batch 66829 recovered above the upper control limit. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCV) for Heptachlor Epoxide associated with batch 66829 recovered above the upper control limit. The sample associated with this CCV079SS-0004M-0001-SO (240-17477-6) was non-detect for the affected analyte; therefore the data have been reported.

The peaks for DDD and Endosulfan II merged on the primary column. The associated sample079SS-0004M-0001-SO (240-17477-6) was non-detect for the affected analytes on the confirmation column; therefore the data have been reported. The QC data associated with these samples are reported from the confirmation column for these analytes.

Heptachlor Epoxide is reported from the confirmation column for the matrix spike (MS) and matrix spike duplicate (MSD) data with the associated parent sample 079SS-0004M-0001-SO (240-17477-6) because of matrix interferences on the primary column.

No other difficulties were encountered during the pesticides analyses. All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples 068SW-0013-0001-SW (240-17477-1), 068SW-0014-0001-SW (240-17477-2), 068SW-0015-0001-SW (240-17477-3) and 068SW-0016-0001-SW (240-17477-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082 DOD. The samples were prepared on 11/13/2012 and analyzed on 11/18/2012.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: 079SS-0004M-0001-SO (240-17477-6), 079SS-0005M-0001-SO (240-17477-7). Lot # S65830.

No other difficulties were encountered during the PCBs analyses. All quality control parameters were within the acceptance limits.

NITROGUANIDINE (HPLC)

Samples 079SS-0004M-0001-SO (240-17477-6) and 079SS-0005M-0001-SO (240-17477-7) were analyzed for nitroguanidine (HPLC) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8330_Ngu. The samples began the drying and disaggregation process on 11/12/2012, were prepared on 11/21/2012 and analyzed on 11/29/2012.

No difficulties were encountered during the explosives analyses. All quality control parameters were within the acceptance limits.

EXPLOSIVES

Samples 079SS-0004M-0001-SO (240-17477-6) and 079SS-0005M-0001-SO (240-17477-7) were analyzed for explosives with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8330B. The samples began the drying and disaggregation process on 11/12/2012, were prepared on 11/21/2012 and analyzed on 12/01/2012.

The continuing calibration verification at the reporting limit (CCVL) for analytical batch 6640 exceeded control criteria for p-Nitrotoluene and PETN. The corrective action for this deficiency is the analysis of a standard at apporximately 2x the MDL. The acceptance criterion for the 2x MDL standard is detection of the compound. As the compounds were detected, the data have been qualified and reported.

The continuing calibration verification at the reporting limit (CCVL) for analytical batch 6640 exceeded control criteria for RDX,Nitrobenzene, 4-Amino-2,6-dinitrotoluene, 2,6-Dinitrotoluene, 2,4-Dinitrotoluene, o-Nitrotoluene and p-Nitrotoluene. The corrective action for this deficiency is an analysis of a standard at apporximately 2x the MDL. The acceptance criterion for the 2x MDL standard is detection of the compound. As the compounds were detected, the data have been qualified and reported.

No other difficulties were encountered during the explosives analyses. All quality control parameters were within the acceptance limits.

METALS (ICPMS) WITH INCREMENTAL SAMPLE PREPARATION

Samples 079SS-0003M-0001-SO (240-17477-5), 079SS-0004M-0001-SO (240-17477-6) and 079SS-0005M-0001-SO (240-17477-7) were analyzed for metals (ICPMS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 6020 DoD. The samples were leached on 11/12/2012, prepared on 11/15/2012 and analyzed on 11/23/2012.

Potassium was detected in method blank MB 240-65198/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Calcium failed the recovery criteria low for the MS of sample 079SS-0004M-0001-SOMS (240-17477-6) in batch 240-66205. Iron and Manganese failed the recovery criteria high.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Samples 068SW-0013-0001-SW (240-17477-1), 068SW-0014-0001-SW (240-17477-2), 068SW-0015-0001-SW (240-17477-3) and 068SW-0016-0001-SW (240-17477-4) were analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020 DoD. The samples were prepared on 11/16/2012 and analyzed on 12/10/2012.

ICB, CCB, and ICSA samples are evaluated using the lowest LOD and DL criteria in LIMS. Using this criteria, an individual element may occasionally be flagged as out of control. If the element has a higher LOD or DL, the data is evaluated to the higher limit and determined to be acceptable.

Potassium was detected in method blank MB 240-65311/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Thallium and Zinc were detected in method blank MB 240-65311/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

TOTAL MERCURY - DOD
Samples 068SW-0013-0001-SW (240-17477-1), 068SW-0014-0001-SW (240-17477-2), 068SW-0015-0001-SW (240-17477-3) and 068SW-0016-0001-SW (240-17477-4) were analyzed for Total Mercury - DOD in accordance with EPA SW-846 Method 7470A. The samples were prepared on 11/26/2012 and analyzed on 11/27/2012.

No difficulties were encountered during the mercury analyses. All quality control parameters were within the acceptance limits.

MERCURY WITH INCREMENTAL SAMPLE PREPARATION
Samples 079SS-0003M-0001-SO (240-17477-5), 079SS-0004M-0001-SO (240-17477-6) and 079SS-0005M-0001-SO (240-17477-7) were analyzed for mercury with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 7471A DOD. The samples were leached on 11/12/2012, prepared on 11/15/2012 and analyzed on 11/16/2012.

Hg was detected in method blank MB 240-65204/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the mercury analyses. All other quality control parameters were within the acceptance limits.

NITROCELLULOSE
Samples 079SS-0004M-0001-SO (240-17477-6) and 079SS-0005M-0001-SO (240-17477-7) were analyzed for Nitrocellulose with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and in accordance with EPA Method 353.2. The samples were prepared and analyzed on 12/04/2012.

Samples were extracted on smaller size 1g due to matrix effect on the instrument.

All samples in this batch, #6863, were originally analyzed on 11/28/12 in batch # 6765. Samples in batch #6765 were extracted using 10g of sample. The instrument analyst observed that samples extracted in batch #6765 had a pungent odor and some samples, after filtering, were still cloudy.

Historically, the matrix of samples from this client have adversely impacted the cadmium coil for this method and adversely effected recoveries for the bracketing CCV's and MRL's. The analyst believes that this is a direct result of the samples' matrix. As a result, all samples in this batch, #6863, were re-extracted (within holding time) at 1.0g instead of 10.0g. Data is being reported from this re-analysis and the reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Nitrocellulose analyses. All quality control parameters were within the acceptance limits.

PERCENT SOLIDS
Samples 079SS-0003M-0001-SO (240-17477-5), 079SS-0004M-0001-SO (240-17477-6) and 079SS-0005M-0001-SO (240-17477-7) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 11/15/2012.

No difficulties were encountered during the % solids analyses. All quality control parameters were within the acceptance limits.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 64921

Lab Sample ID: STD5 240-64921/2 IC Client Sample ID:

Date Analyzed: 11/14/12 11:39 Lab File ID: 21114002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.57	Poor Chromatography	ulmanm	11/14/12 12:17

Lab Sample ID: STD4 240-64921/3 IC Client Sample ID:

Date Analyzed: 11/14/12 11:59 Lab File ID: 21114003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.55	Poor Chromatography	ulmanm	11/14/12 12:35
4,6-Dinitro-2-methylphenol	6.50	Poor Chromatography	ulmanm	11/14/12 12:35

Lab Sample ID: STD3 240-64921/4 IC Client Sample ID:

Date Analyzed: 11/14/12 12:18 Lab File ID: 21114004.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.53	Poor Chromatography	ulmanm	11/14/12 13:04
4,6-Dinitro-2-methylphenol	6.50	Poor Chromatography	ulmanm	11/14/12 13:04
Dibenz(a,h)anthracene	11.94	Poor Chromatography	ulmanm	11/14/12 13:04

Lab Sample ID: STD2 240-64921/5 IC Client Sample ID:

Date Analyzed: 11/14/12 12:37 Lab File ID: 21114005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,6-Dinitro-2-methylphenol	6.50	Poor Chromatography	ulmanm	11/14/12 13:15

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 64921

Lab Sample ID: STD1 240-64921/6 IC Client Sample ID:

Date Analyzed: 11/14/12 12:56 Lab File ID: 21114006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene	9.14	Poor Chromatography	ulmanm	11/14/12 13:28
Benzo[g,h,i]perylene	12.40	Poor Chromatography	ulmanm	11/14/12 13:28

Lab Sample ID: STD9 240-64921/7 IC Client Sample ID:

Date Analyzed: 11/14/12 13:15 Lab File ID: 21114007.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.65	Poor Chromatography	ulmanm	11/14/12 14:03

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 65294

Lab Sample ID: MRL 240-65294/3 Client Sample ID:

Date Analyzed: 11/16/12 10:00 Lab File ID: 21116003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	4.44	Poor Chromatography	ulmanm	11/16/12 10:35

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 67070

Lab Sample ID: STD5 240-67070/2 IC Client Sample ID:

Date Analyzed: 12/03/12 11:32 Lab File ID: 21203002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.81	Tailing or Fronting	ulmanm	12/03/12 12:20

Lab Sample ID: STD4 240-67070/3 IC Client Sample ID:

Date Analyzed: 12/03/12 11:57 Lab File ID: 21203003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.81	Poor Chromatography	ulmanm	12/03/12 12:35
N-Nitrosodimethylamine	3.30	Poor Chromatography	ulmanm	12/03/12 12:35
3-Chloropropionitrile	4.22	Poor Chromatography	ulmanm	12/03/12 12:35
Benzoic acid	6.86	Poor Chromatography	ulmanm	12/03/12 12:35
Benzidine	11.05	Poor Chromatography	ulmanm	12/03/12 12:35

Lab Sample ID: STD3 240-67070/4 IC Client Sample ID:

Date Analyzed: 12/03/12 12:23 Lab File ID: 21203004.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	3.30	Poor Chromatography	ulmanm	12/03/12 13:20
Pyridine	3.33	Poor Chromatography	ulmanm	12/03/12 13:20
Ethyl methacrylate	3.88	Poor Chromatography	ulmanm	12/03/12 13:20
3-Chloropropionitrile	4.23	Poor Chromatography	ulmanm	12/03/12 13:20
Benzoic acid	6.84	Poor Chromatography	ulmanm	12/03/12 13:20
Indeno[1,2,3-cd]pyrene	16.39	Poor Chromatography	ulmanm	12/03/12 13:20

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 67070

Lab Sample ID: STD2 240-67070/5 IC Client Sample ID:

Date Analyzed: 12/03/12 12:48 Lab File ID: 21203005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	3.35	Poor Chromatography	ulmanm	12/03/12 13:30
Ethyl methacrylate	3.88	Poor Chromatography	ulmanm	12/03/12 13:30
3-Chloropropionitrile	4.23	Poor Chromatography	ulmanm	12/03/12 13:30
Benzidine	11.05	Poor Chromatography	ulmanm	12/03/12 13:30

Lab Sample ID: STD1 240-67070/6 IC Client Sample ID:

Date Analyzed: 12/03/12 13:13 Lab File ID: 21203006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	14.07	Poor Chromatography	ulmanm	12/03/12 14:05
Indeno[1,2,3-cd]pyrene	16.39	Poor Chromatography	ulmanm	12/03/12 14:05
Dibenz(a,h)anthracene	16.44	Poor Chromatography	ulmanm	12/03/12 14:05
Benzo[g,h,i]perylene	16.87	Poor Chromatography	ulmanm	12/03/12 14:05

Lab Sample ID: MRL 240-67070/13 Client Sample ID:

Date Analyzed: 12/03/12 16:18 Lab File ID: 21203013.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	6.87	Poor Chromatography	ulmanm	12/04/12 08:06

Lab Sample ID: 240-17477-7 Client Sample ID: 079SS-0005M-0001-SO

Date Analyzed: 12/03/12 17:34 Lab File ID: 21203016.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	14.11	Poor Chromatography	ulmanm	12/04/12 08:43
Indeno[1,2,3-cd]pyrene	16.39	Poor Chromatography	ulmanm	12/04/12 08:43

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 67070

Lab Sample ID: 240-17477-6 Client Sample ID: 079SS-0004M-0001-SO

Date Analyzed: 12/03/12 17:59 Lab File ID: 21203017.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	14.12	Poor Chromatography	ulmanm	12/04/12 08:46

Lab Sample ID: mdll1 LODV Client Sample ID:

Date Analyzed: 12/03/12 21:21 Lab File ID: 21203025.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.40	Poor Chromatography	ulmanm	12/04/12 09:15
Dibenz(a,h)anthracene	16.43	Poor Chromatography	ulmanm	12/04/12 09:15

Lab Sample ID: mdll2 LODV Client Sample ID:

Date Analyzed: 12/03/12 21:47 Lab File ID: 21203026.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.82	Poor Chromatography	ulmanm	12/04/12 09:21
N-Nitrosodimethylamine	3.31	Poor Chromatography	ulmanm	12/04/12 09:21
Pyridine	3.33	Poor Chromatography	ulmanm	12/04/12 09:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 67729

Lab Sample ID: CCV 240-67729/2 Client Sample ID:

Date Analyzed: 12/07/12 13:16 Lab File ID: 21207002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	6.81	Poor Chromatography	ulmanm	12/07/12 13:56

Lab Sample ID: mdll1 LODV Client Sample ID:

Date Analyzed: 12/07/12 19:08 Lab File ID: 21207016.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.13	Poor Chromatography	ulmanm	12/08/12 11:27
Dibenz(a,h)anthracene	16.16	Poor Chromatography	ulmanm	12/08/12 11:27

Lab Sample ID: mdll2 LODV Client Sample ID:

Date Analyzed: 12/07/12 19:33 Lab File ID: 21207017.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	2.94	Poor Chromatography	ulmanm	12/08/12 11:32
Pyridine	2.98	Poor Chromatography	ulmanm	12/08/12 11:32

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66500

Lab Sample ID: STD 240-66500/7 ICRT Client Sample ID:

Date Analyzed: 11/28/12 04:47 Lab File ID: P9112707.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin	8.91	Baseline Event	vandorenc	11/29/12 09:35

Lab Sample ID: ICV 240-66500/11 Client Sample ID:

Date Analyzed: 11/28/12 06:22 Lab File ID: P9112711.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin	8.91	Baseline Event	vandorenc	11/29/12 09:40

Lab Sample ID: STD 240-66500/12 IC Client Sample ID:

Date Analyzed: 11/28/12 06:50 Lab File ID: P9112712.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.48	Split Peak	vandorenc	11/29/12 09:40
Toxaphene Peak 2	10.03	Split Peak	vandorenc	11/29/12 09:40
Toxaphene Peak 3	10.09	Split Peak	vandorenc	11/29/12 09:40
Toxaphene Peak 4	10.67	Split Peak	vandorenc	11/29/12 09:40
Toxaphene Peak 5	11.23	Split Peak	vandorenc	11/29/12 09:40

Lab Sample ID: STD 240-66500/12 IC Client Sample ID:

Date Analyzed: 11/28/12 06:50 Lab File ID: P9112712.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.38	Split Peak	vandorenc	11/29/12 09:40
Toxaphene Peak 2	11.40	Split Peak	vandorenc	11/29/12 09:40
Toxaphene Peak 3	11.75	Split Peak	vandorenc	11/29/12 09:40
Toxaphene Peak 4	12.15	Split Peak	vandorenc	11/29/12 09:40
Toxaphene Peak 5	12.54	Split Peak	vandorenc	11/29/12 09:40

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66500

Lab Sample ID: STD 240-66500/13 IC Client Sample ID:

Date Analyzed: 11/28/12 07:18 Lab File ID: P9112713.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.38	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 2	11.40	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 3	11.75	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 4	12.15	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 5	12.54	Baseline Event	vandorenc	11/29/12 09:41

Lab Sample ID: STD 240-66500/14 IC Client Sample ID:

Date Analyzed: 11/28/12 07:46 Lab File ID: P9112714.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.49	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 2	10.02	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 3	10.09	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 4	10.67	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 5	11.24	Baseline Event	vandorenc	11/29/12 09:41

Lab Sample ID: STD 240-66500/14 IC Client Sample ID:

Date Analyzed: 11/28/12 07:46 Lab File ID: P9112714.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.38	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 2	11.40	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 3	11.75	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 4	12.15	Baseline Event	vandorenc	11/29/12 09:41
Toxaphene Peak 5	12.53	Baseline Event	vandorenc	11/29/12 09:41

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66500

Lab Sample ID: STD 240-66500/15 IC Client Sample ID:

Date Analyzed: 11/28/12 08:14 Lab File ID: P9112715.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.48	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 2	10.02	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 3	10.09	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 4	10.67	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 5	11.23	Baseline Event	vandorenc	11/29/12 09:44

Lab Sample ID: STD 240-66500/15 IC Client Sample ID:

Date Analyzed: 11/28/12 08:14 Lab File ID: P9112715.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.38	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 2	11.40	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 3	11.75	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 4	12.15	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 5	12.53	Baseline Event	vandorenc	11/29/12 09:44

Lab Sample ID: STD 240-66500/16 IC Client Sample ID:

Date Analyzed: 11/28/12 08:42 Lab File ID: P9112716.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.49	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 2	10.03	Baseline Event	vandorenc	11/29/12 09:48
Toxaphene Peak 3	10.09	Baseline Event	vandorenc	11/29/12 09:48
Toxaphene Peak 4	10.67	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 5	11.24	Baseline Event	vandorenc	11/29/12 09:44

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66500

Lab Sample ID: STD 240-66500/16 IC Client Sample ID:

Date Analyzed: 11/28/12 08:42 Lab File ID: P9112716.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.38	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 2	11.40	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 3	11.75	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 4	12.15	Baseline Event	vandorenc	11/29/12 09:44
Toxaphene Peak 5	12.54	Baseline Event	vandorenc	11/29/12 09:44

Lab Sample ID: ICV 240-66500/17 Client Sample ID:

Date Analyzed: 11/28/12 09:09 Lab File ID: P9112717.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.48	Baseline Event	vandorenc	11/29/12 09:52
Toxaphene Peak 2	10.03	Baseline Event	vandorenc	11/29/12 09:52
Toxaphene Peak 3	10.09	Baseline Event	vandorenc	11/29/12 09:52
Toxaphene Peak 4	10.67	Baseline Event	vandorenc	11/29/12 09:52
Toxaphene Peak 5	11.23	Baseline Event	vandorenc	11/29/12 09:52

Lab Sample ID: ICV 240-66500/17 Client Sample ID:

Date Analyzed: 11/28/12 09:09 Lab File ID: P9112717.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.38	Baseline Event	vandorenc	11/29/12 09:52
Toxaphene Peak 2	11.41	Baseline Event	vandorenc	11/29/12 09:52
Toxaphene Peak 3	11.75	Baseline Event	vandorenc	11/29/12 09:52
Toxaphene Peak 4	12.15	Baseline Event	vandorenc	11/29/12 09:52
Toxaphene Peak 5	12.53	Baseline Event	vandorenc	11/29/12 09:52

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66500

Lab Sample ID: CCV 240-66500/41 Client Sample ID:

Date Analyzed: 11/28/12 20:15 Lab File ID: P9112741.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	7.28	Baseline Event	vandorenc	11/29/12 10:11

Lab Sample ID: CCV 240-66500/52 Client Sample ID:

Date Analyzed: 11/29/12 01:13 Lab File ID: P9112752.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.48	Baseline Event	vandorenc	11/29/12 10:12
Toxaphene Peak 2	10.02	Baseline Event	vandorenc	11/29/12 10:12
Toxaphene Peak 3	10.09	Baseline Event	vandorenc	11/29/12 10:12
Toxaphene Peak 4	10.67	Baseline Event	vandorenc	11/29/12 10:12
Toxaphene Peak 5	11.23	Baseline Event	vandorenc	11/29/12 10:12

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66829

Lab Sample ID: CCV 240-66829/5 Client Sample ID:

Date Analyzed: 11/29/12 16:40 Lab File ID: P9112905.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.48	Baseline Event	vandorenc	11/30/12 11:13
Toxaphene Peak 2	10.02	Baseline Event	vandorenc	11/30/12 11:13
Toxaphene Peak 3	10.09	Baseline Event	vandorenc	11/30/12 11:13
Toxaphene Peak 4	10.67	Baseline Event	vandorenc	11/30/12 11:13
Toxaphene Peak 5	11.23	Baseline Event	vandorenc	11/30/12 11:13

Lab Sample ID: CCV 240-66829/5 Client Sample ID:

Date Analyzed: 11/29/12 16:40 Lab File ID: P9112905.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.38	Baseline Event	vandorenc	11/30/12 11:13
Toxaphene Peak 2	11.40	Baseline Event	vandorenc	11/30/12 11:13
Toxaphene Peak 3	11.75	Baseline Event	vandorenc	11/30/12 11:13
Toxaphene Peak 4	12.15	Baseline Event	vandorenc	11/30/12 11:13
Toxaphene Peak 5	12.53	Baseline Event	vandorenc	11/30/12 11:13

Lab Sample ID: 240-17477-6 MSD Client Sample ID: 079SS-0004M-0001-SO MSD

Date Analyzed: 11/29/12 19:24 Lab File ID: P9112911.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	12.87	Baseline Event	vandorenc	11/30/12 11:34

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66829

Lab Sample ID: CCV 240-66829/30 Client Sample ID:

Date Analyzed: 11/30/12 03:59 Lab File ID: P9112930.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	9.48	Baseline Event	vandorenc	11/30/12 11:25
Toxaphene Peak 2	10.03	Baseline Event	vandorenc	11/30/12 11:25
Toxaphene Peak 3	10.09	Baseline Event	vandorenc	11/30/12 11:25
Toxaphene Peak 4	10.67	Baseline Event	vandorenc	11/30/12 11:25
Toxaphene Peak 5	11.24	Baseline Event	vandorenc	11/30/12 11:25

Lab Sample ID: CCV 240-66829/30 Client Sample ID:

Date Analyzed: 11/30/12 03:59 Lab File ID: P9112930.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	10.38	Baseline Event	vandorenc	11/30/12 11:25
Toxaphene Peak 2	11.40	Baseline Event	vandorenc	11/30/12 11:25
Toxaphene Peak 3	11.74	Baseline Event	vandorenc	11/30/12 11:25
Toxaphene Peak 4	12.15	Baseline Event	vandorenc	11/30/12 11:25
Toxaphene Peak 5	12.53	Baseline Event	vandorenc	11/30/12 11:25

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD005 240-62068/3 IC Client Sample ID:

Date Analyzed: 10/21/12 16:53 Lab File ID: P1300003.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Baseline Event	hassl	10/22/12 09:01
PCB-1232 Peak 2	1.90	Baseline Event	hassl	10/22/12 09:01
PCB-1232 Peak 3	2.32	Baseline Event	hassl	10/22/12 09:01
PCB-1232 Peak 4	2.46	Baseline Event	hassl	10/22/12 09:01
PCB-1232 Peak 5	2.87	Baseline Event	hassl	10/22/12 09:01

Lab Sample ID: STD01 240-62068/4 IC Client Sample ID:

Date Analyzed: 10/21/12 17:08 Lab File ID: P1300004.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 2	1.90	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 3	2.32	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 4	2.46	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 5	2.87	Split Peak	hassl	10/22/12 09:01

Lab Sample ID: STD02 240-62068/5 IC Client Sample ID:

Date Analyzed: 10/21/12 17:23 Lab File ID: P1300005.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 2	1.90	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 3	2.32	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 4	2.45	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 5	2.87	Split Peak	hassl	10/22/12 09:01

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD05 240-62068/6 IC Client Sample ID:

Date Analyzed: 10/21/12 17:38 Lab File ID: P1300006.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 2	1.90	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 3	2.32	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 4	2.45	Split Peak	hassl	10/22/12 09:01
PCB-1232 Peak 5	2.87	Split Peak	hassl	10/22/12 09:01

Lab Sample ID: STD2 240-62068/8 IC Client Sample ID:

Date Analyzed: 10/21/12 18:07 Lab File ID: P1300008.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Split Peak	hassl	10/22/12 09:02
PCB-1232 Peak 2	1.90	Split Peak	hassl	10/22/12 09:02
PCB-1232 Peak 3	2.32	Split Peak	hassl	10/22/12 09:02
PCB-1232 Peak 4	2.45	Split Peak	hassl	10/22/12 09:02
PCB-1232 Peak 5	2.87	Split Peak	hassl	10/22/12 09:02

Lab Sample ID: STD01 240-62068/10 IC Client Sample ID:

Date Analyzed: 10/21/12 18:37 Lab File ID: P1300010.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:02

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD02 240-62068/11 IC Client Sample ID:

Date Analyzed: 10/21/12 18:52 Lab File ID: P1300011.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:03

Lab Sample ID: STD05 240-62068/12 IC Client Sample ID:

Date Analyzed: 10/21/12 19:07 Lab File ID: P1300012.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:03

Lab Sample ID: STD1 240-62068/13 IC Client Sample ID:

Date Analyzed: 10/21/12 19:22 Lab File ID: P1300013.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:03
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:03

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD2 240-62068/14 IC Client Sample ID:

Date Analyzed: 10/21/12 19:37 Lab File ID: P1300014.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:02
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:02

Lab Sample ID: STD005 240-62068/21 IC Client Sample ID:

Date Analyzed: 10/21/12 21:21 Lab File ID: P1300021.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:04
PCB-1221 Peak 2	1.55	Split Peak	hassl	10/22/12 09:04
PCB-1221 Peak 3	1.59	Unspecified	hassl	10/22/12 09:05

Lab Sample ID: STD01 240-62068/22 IC Client Sample ID:

Date Analyzed: 10/21/12 21:36 Lab File ID: P1300022.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:05
PCB-1221 Peak 2	1.55	Split Peak	hassl	10/22/12 09:05
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:05

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD01 240-62068/22 IC Client Sample ID:

Date Analyzed: 10/21/12 21:36 Lab File ID: P1300022.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.41	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 2	4.92	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 3	5.18	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 4	5.56	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 5	5.78	Split Peak	hassl	10/22/12 09:05

Lab Sample ID: STD02 240-62068/23 IC Client Sample ID:

Date Analyzed: 10/21/12 21:51 Lab File ID: P1300023.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:06
PCB-1221 Peak 2	1.56	Split Peak	hassl	10/22/12 09:06
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:06

Lab Sample ID: STD02 240-62068/23 IC Client Sample ID:

Date Analyzed: 10/21/12 21:51 Lab File ID: P1300023.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.41	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 2	4.92	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 3	5.18	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 4	5.56	Split Peak	hassl	10/22/12 09:05
PCB-1254 Peak 5	5.78	Split Peak	hassl	10/22/12 09:05

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD05 240-62068/24 IC Client Sample ID:

Date Analyzed: 10/21/12 22:06 Lab File ID: P1300024.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:07
PCB-1221 Peak 2	1.56	Split Peak	hassl	10/22/12 09:07
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:07

Lab Sample ID: STD1 240-62068/25 IC Client Sample ID:

Date Analyzed: 10/21/12 22:21 Lab File ID: P1300025.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:07
PCB-1221 Peak 2	1.56	Split Peak	hassl	10/22/12 09:07
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:07

Lab Sample ID: STD2 240-62068/26 IC Client Sample ID:

Date Analyzed: 10/21/12 22:36 Lab File ID: P1300026.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:08
PCB-1221 Peak 2	1.56	Split Peak	hassl	10/22/12 09:08
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:08

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD005 240-62068/27 IC Client Sample ID:

Date Analyzed: 10/21/12 22:51 Lab File ID: P1300027.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:08

Lab Sample ID: STD01 240-62068/28 IC Client Sample ID:

Date Analyzed: 10/21/12 23:06 Lab File ID: P1300028.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:08
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:08

Lab Sample ID: STD02 240-62068/29 IC Client Sample ID:

Date Analyzed: 10/21/12 23:21 Lab File ID: P1300029.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: STD05 240-62068/30 ICRT Client Sample ID:

Date Analyzed: 10/21/12 23:36 Lab File ID: P1300030.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:09

Lab Sample ID: STD1 240-62068/31 IC Client Sample ID:

Date Analyzed: 10/21/12 23:50 Lab File ID: P1300031.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:09

Lab Sample ID: STD2 240-62068/32 IC Client Sample ID:

Date Analyzed: 10/22/12 00:05 Lab File ID: P1300032.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 3	2.32	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:09
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: ICV 240-62068/45 Client Sample ID:

Date Analyzed: 10/22/12 03:19 Lab File ID: P1300045.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.44	Split Peak	hassl	10/22/12 09:10
PCB-1221 Peak 2	1.56	Split Peak	hassl	10/22/12 09:10
PCB-1221 Peak 3	1.59	Split Peak	hassl	10/22/12 09:10

Lab Sample ID: ICV 240-62068/46 Client Sample ID:

Date Analyzed: 10/22/12 03:34 Lab File ID: P1300046.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.59	Split Peak	hassl	10/22/12 09:16
PCB-1232 Peak 2	1.90	Split Peak	hassl	10/22/12 09:16
PCB-1232 Peak 3	2.32	Split Peak	hassl	10/22/12 09:16
PCB-1232 Peak 4	2.45	Split Peak	hassl	10/22/12 09:16
PCB-1232 Peak 5	2.87	Split Peak	hassl	10/22/12 09:16

Lab Sample ID: ICV 240-62068/47 Client Sample ID:

Date Analyzed: 10/22/12 03:49 Lab File ID: P1300047.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	1.59	Split Peak	hassl	10/22/12 09:15
PCB-1242 Peak 2	1.90	Split Peak	hassl	10/22/12 09:15
PCB-1242 Peak 3	2.32	Split Peak	hassl	10/22/12 09:15
PCB-1242 Peak 4	2.45	Split Peak	hassl	10/22/12 09:15
PCB-1242 Peak 5	2.87	Split Peak	hassl	10/22/12 09:15

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

Lab Sample ID: ICV 240-62068/50 Client Sample ID:

Date Analyzed: 10/22/12 04:34 Lab File ID: P1300050.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	10/22/12 09:15
PCB-1016 Peak 2	1.90	Split Peak	hassl	10/22/12 09:15
PCB-1016 Peak 3	2.33	Split Peak	hassl	10/22/12 09:15
PCB-1016 Peak 4	2.45	Split Peak	hassl	10/22/12 09:15
PCB-1016 Peak 5	2.87	Split Peak	hassl	10/22/12 09:15

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 65363

Lab Sample ID: CCV 240-65363/3 CCVRT Client Sample ID:

Date Analyzed: 11/18/12 14:13 Lab File ID: P1300003.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	11/19/12 11:03
PCB-1016 Peak 2	1.90	Split Peak	hassl	11/19/12 11:03
PCB-1016 Peak 3	2.33	Split Peak	hassl	11/19/12 11:03
PCB-1016 Peak 4	2.46	Split Peak	hassl	11/19/12 11:03
PCB-1016 Peak 5	2.87	Split Peak	hassl	11/19/12 11:03

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 66323

Lab Sample ID: CCV 240-66323/4 CCVRT Client Sample ID:

Date Analyzed: 11/27/12 02:21 Lab File ID: P1300004.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	0.00	Baseline Event	hassl	11/27/12 09:50
PCB-1016 Peak 2	1.90	Baseline Event	hassl	11/27/12 09:50
PCB-1016 Peak 3	2.33	Baseline Event	hassl	11/27/12 09:50
PCB-1016 Peak 4	2.46	Baseline Event	hassl	11/27/12 09:50
PCB-1016 Peak 5	2.87	Baseline Event	hassl	11/27/12 09:50

Lab Sample ID: 240-17477-6 MS Client Sample ID: 079SS-0004M-0001-SO MS

Date Analyzed: 11/27/12 05:21 Lab File ID: P1300016.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	11/27/12 09:46
PCB-1016 Peak 2	1.90	Split Peak	hassl	11/27/12 09:46
PCB-1016 Peak 3	2.33	Split Peak	hassl	11/27/12 09:46
PCB-1016 Peak 4	2.46	Split Peak	hassl	11/27/12 09:46
PCB-1016 Peak 5	2.87	Split Peak	hassl	11/27/12 09:46

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 66323

Lab Sample ID: 240-17477-6 MSD Client Sample ID: 079SS-0004M-0001-SO MSD

Date Analyzed: 11/27/12 05:35 Lab File ID: P1300017.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	11/27/12 09:45
PCB-1016 Peak 2	1.90	Split Peak	hassl	11/27/12 09:45
PCB-1016 Peak 3	2.33	Split Peak	hassl	11/27/12 09:45
PCB-1016 Peak 4	2.46	Split Peak	hassl	11/27/12 09:45
PCB-1016 Peak 5	2.87	Split Peak	hassl	11/27/12 09:45
PCB-1260 Peak 1	4.17	Baseline Event	hassl	11/27/12 09:45
PCB-1260 Peak 2	4.48	Baseline Event	hassl	11/27/12 09:45
PCB-1260 Peak 3	4.78	Baseline Event	hassl	11/27/12 09:45
PCB-1260 Peak 4	5.53	Baseline Event	hassl	11/27/12 09:45
PCB-1260 Peak 5	5.83	Baseline Event	hassl	11/27/12 09:45

Lab Sample ID: CCV 240-66323/19 Client Sample ID:

Date Analyzed: 11/27/12 06:05 Lab File ID: P1300019.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	11/27/12 09:44
PCB-1016 Peak 2	1.90	Baseline Event	hassl	11/27/12 09:44
PCB-1016 Peak 3	2.33	Baseline Event	hassl	11/27/12 09:44
PCB-1016 Peak 4	2.46	Baseline Event	hassl	11/27/12 09:44
PCB-1016 Peak 5	2.87	Baseline Event	hassl	11/27/12 09:44
PCB-1260 Peak 1	4.17	Baseline Event	hassl	11/27/12 09:44
PCB-1260 Peak 2	4.48	Baseline Event	hassl	11/27/12 09:44
PCB-1260 Peak 3	4.78	Baseline Event	hassl	11/27/12 09:44
PCB-1260 Peak 4	5.53	Baseline Event	hassl	11/27/12 09:44
PCB-1260 Peak 5	5.83	Baseline Event	hassl	11/27/12 09:44

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 66323

Lab Sample ID: LCS 240-65753/24-A Client Sample ID:

Date Analyzed: 11/27/12 08:35 Lab File ID: P1300029.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	11/27/12 09:40
PCB-1016 Peak 2	1.90	Split Peak	hassl	11/27/12 09:40
PCB-1016 Peak 3	2.33	Split Peak	hassl	11/27/12 09:40
PCB-1016 Peak 4	2.46	Split Peak	hassl	11/27/12 09:40
PCB-1016 Peak 5	2.87	Split Peak	hassl	11/27/12 09:40

Lab Sample ID: CCV 240-66323/30 Client Sample ID:

Date Analyzed: 11/27/12 08:49 Lab File ID: P1300030.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	11/27/12 09:53
PCB-1016 Peak 2	1.90	Split Peak	hassl	11/27/12 09:53
PCB-1016 Peak 3	2.33	Split Peak	hassl	11/27/12 09:53
PCB-1016 Peak 4	2.46	Split Peak	hassl	11/27/12 09:53
PCB-1016 Peak 5	2.88	Split Peak	hassl	11/27/12 09:53

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 3377

Lab Sample ID: STD05 320-3377/6 IC Client Sample ID:

Date Analyzed: 09/01/12 14:30 Lab File ID: A-000010.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Nitrotoluene	27.05	Baseline	noonanr	09/13/12 09:42

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 6640

Lab Sample ID: STD05 320-6640/37 CCVRT Client Sample ID:

Date Analyzed: 12/01/12 10:32 Lab File ID: ZD000037.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PETN	28.72	Baseline	noonanr	12/03/12 09:00

Lab Sample ID: STD05 320-6640/48 CCVRT Client Sample ID:

Date Analyzed: 12/01/12 17:54 Lab File ID: ZD000048.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3,5-Trinitrobenzene	9.86	Incomplete Integration	noonanr	12/03/12 09:09

SAMPLE SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-17477-1	068SW-0013-0001-SW	Water	11/08/2012 1400	11/09/2012 1700
240-17477-2	068SW-0014-0001-SW	Water	11/08/2012 1325	11/09/2012 1700
240-17477-3	068SW-0015-0001-SW	Water	11/08/2012 1340	11/09/2012 1700
240-17477-4	068SW-0016-0001-SW	Water	11/08/2012 1325	11/09/2012 1700
240-17477-4MS	068SW-0016-0001-SW	Water	11/08/2012 1325	11/09/2012 1700
240-17477-4MSD	068SW-0016-0001-SW	Water	11/08/2012 1325	11/09/2012 1700
240-17477-4DU	068SW-0016-0001-SW	Water	11/08/2012 1325	11/09/2012 1700
240-17477-5	079SS-0003M-0001-SO	Solid	11/09/2012 1210	11/09/2012 1700
240-17477-6	079SS-0004M-0001-SO	Solid	11/09/2012 1110	11/09/2012 1700
240-17477-6MS	079SS-0004M-0001-SO	Solid	11/09/2012 1110	11/09/2012 1700
240-17477-6MSD	079SS-0004M-0001-SO	Solid	11/09/2012 1110	11/09/2012 1700
240-17477-6DU	079SS-0004M-0001-SO	Solid	11/09/2012 1110	11/09/2012 1700
240-17477-7	079SS-0005M-0001-SO	Solid	11/09/2012 1110	11/09/2012 1700
240-17477-8	079SS-0006-0001-TB	Water	11/09/2012 0800	11/09/2012 1700

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17477-1	**068SW-0013-0001-SW**					
Bis(2-ethylhexyl) phthalate		23		1.9	ug/L	8270C/DoD
Total Recoverable						
Aluminum		54	J	60	ug/L	6020/DOD
Arsenic		0.64	J	5.0	ug/L	6020/DOD
Barium		30		5.0	ug/L	6020/DOD
Calcium		33000		2000	ug/L	6020/DOD
Cobalt		0.29	J	1.0	ug/L	6020/DOD
Iron		1400		150	ug/L	6020/DOD
Magnesium		9400		1000	ug/L	6020/DOD
Manganese		620		5.0	ug/L	6020/DOD
Potassium		1700		1000	ug/L	6020/DOD
Sodium		4300		1000	ug/L	6020/DOD
240-17477-2	**068SW-0014-0001-SW**					
Bis(2-ethylhexyl) phthalate		2.8		1.9	ug/L	8270C/DoD
Total Recoverable						
Aluminum		250		60	ug/L	6020/DOD
Arsenic		0.70	J	5.0	ug/L	6020/DOD
Barium		32		5.0	ug/L	6020/DOD
Calcium		33000		2000	ug/L	6020/DOD
Iron		1000		150	ug/L	6020/DOD
Lead		0.31	J	1.0	ug/L	6020/DOD
Magnesium		9000		1000	ug/L	6020/DOD
Manganese		240		5.0	ug/L	6020/DOD
Nickel		0.74	J	5.0	ug/L	6020/DOD
Potassium		2000		1000	ug/L	6020/DOD
Sodium		4100		1000	ug/L	6020/DOD
Vanadium		0.55	J	5.0	ug/L	6020/DOD
240-17477-3	**068SW-0015-0001-SW**					
Bis(2-ethylhexyl) phthalate		1.7	J	1.9	ug/L	8270C/DoD
Total Recoverable						
Aluminum		38	J	60	ug/L	6020/DOD
Barium		27		5.0	ug/L	6020/DOD
Calcium		32000		2000	ug/L	6020/DOD
Iron		620		150	ug/L	6020/DOD
Magnesium		8900		1000	ug/L	6020/DOD
Manganese		190		5.0	ug/L	6020/DOD
Potassium		1800		1000	ug/L	6020/DOD
Sodium		4200		1000	ug/L	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17477-4	**068SW-0016-0001-SW**					
Total Recoverable						
Aluminum		320		60	ug/L	6020/DOD
Antimony		1.0	J	2.0	ug/L	6020/DOD
Arsenic		0.78	J	5.0	ug/L	6020/DOD
Barium		34		5.0	ug/L	6020/DOD
Calcium		31000		2000	ug/L	6020/DOD
Cobalt		0.31	J	1.0	ug/L	6020/DOD
Copper		1.6	J	4.0	ug/L	6020/DOD
Iron		1300		150	ug/L	6020/DOD
Lead		0.59	J	1.0	ug/L	6020/DOD
Magnesium		8300		1000	ug/L	6020/DOD
Manganese		330		5.0	ug/L	6020/DOD
Nickel		0.90	J	5.0	ug/L	6020/DOD
Potassium		1900		1000	ug/L	6020/DOD
Silver		0.093	J	1.0	ug/L	6020/DOD
Sodium		3900		1000	ug/L	6020/DOD
Thallium		0.43	J	2.0	ug/L	6020/DOD
Vanadium		0.72	J	5.0	ug/L	6020/DOD
Zinc		12	J	40	ug/L	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17477-5	**079SS-0003M-0001-SO**					
Aluminum		7800		9.6	mg/Kg	6020/DOD
Antimony		0.71		0.19	mg/Kg	6020/DOD
Arsenic		37		0.48	mg/Kg	6020/DOD
Barium		63		0.48	mg/Kg	6020/DOD
Beryllium		0.65		0.096	mg/Kg	6020/DOD
Cadmium		0.13	J	0.19	mg/Kg	6020/DOD
Calcium		9800		190	mg/Kg	6020/DOD
Chromium		26		0.48	mg/Kg	6020/DOD
Cobalt		14		0.096	mg/Kg	6020/DOD
Copper		16		0.38	mg/Kg	6020/DOD
Iron		21000		48	mg/Kg	6020/DOD
Lead		24		0.29	mg/Kg	6020/DOD
Magnesium		3300		96	mg/Kg	6020/DOD
Manganese		720		0.48	mg/Kg	6020/DOD
Nickel		33		0.48	mg/Kg	6020/DOD
Potassium		920		96	mg/Kg	6020/DOD
Selenium		0.53		0.48	mg/Kg	6020/DOD
Silver		0.20		0.096	mg/Kg	6020/DOD
Sodium		66	J	96	mg/Kg	6020/DOD
Thallium		0.084	J	0.19	mg/Kg	6020/DOD
Vanadium		14		0.48	mg/Kg	6020/DOD
Zinc		57		3.8	mg/Kg	6020/DOD
Hg		0.062	J	0.097	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.0		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17477-6	**079SS-0004M-0001-SO**					
Carbon disulfide		1.5	J	8.5	ug/Kg	8260B/DoD
Acenaphthene		5.7	J	6.7	ug/Kg	8270C/DoD
Acenaphthylene		10		6.7	ug/Kg	8270C/DoD
Anthracene		10		6.7	ug/Kg	8270C/DoD
Benzo[a]anthracene		43		6.7	ug/Kg	8270C/DoD
Benzo[a]pyrene		42		6.7	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		75		6.7	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		26		6.7	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		27	M	6.7	ug/Kg	8270C/DoD
Chrysene		63		6.7	ug/Kg	8270C/DoD
Dibenzofuran		23	J	50	ug/Kg	8270C/DoD
1,2-Dichlorobenzene		14	J	50	ug/Kg	8270C/DoD
Fluoranthene		78		6.7	ug/Kg	8270C/DoD
Fluorene		6.1	J	6.7	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		22		6.7	ug/Kg	8270C/DoD
2-Methylnaphthalene		90		6.7	ug/Kg	8270C/DoD
Naphthalene		63		6.7	ug/Kg	8270C/DoD
Phenanthrene		71		6.7	ug/Kg	8270C/DoD
Pyrene		65		6.7	ug/Kg	8270C/DoD
Aluminum		7700		7.9	mg/Kg	6020/DOD
Antimony		0.23	J	0.16	mg/Kg	6020/DOD
Arsenic		21		0.40	mg/Kg	6020/DOD
Barium		60		0.40	mg/Kg	6020/DOD
Beryllium		0.53		0.079	mg/Kg	6020/DOD
Cadmium		0.087	J	0.16	mg/Kg	6020/DOD
Calcium		5500	J	160	mg/Kg	6020/DOD
Chromium		20		0.40	mg/Kg	6020/DOD
Cobalt		8.4		0.079	mg/Kg	6020/DOD
Copper		11		0.32	mg/Kg	6020/DOD
Iron		19000	J	40	mg/Kg	6020/DOD
Lead		14		0.24	mg/Kg	6020/DOD
Magnesium		2700	J	79	mg/Kg	6020/DOD
Manganese		530	J	0.40	mg/Kg	6020/DOD
Nickel		23		0.40	mg/Kg	6020/DOD
Potassium		870		79	mg/Kg	6020/DOD
Selenium		0.46		0.40	mg/Kg	6020/DOD
Silver		0.053	J	0.079	mg/Kg	6020/DOD
Sodium		52	J	79	mg/Kg	6020/DOD
Thallium		0.13	J	0.16	mg/Kg	6020/DOD
Vanadium		14		0.40	mg/Kg	6020/DOD
Zinc		44		3.2	mg/Kg	6020/DOD
Hg		0.058	J	0.098	mg/Kg	7471/DOD
Percent Solids		73		0.10	%	Moisture
Percent Moisture		27		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17477-7	**079SS-0005M-0001-SO**					
2-Hexanone		1.9	J	27	ug/Kg	8260B/DoD
Acetone		12	J B	27	ug/Kg	8260B/DoD
Carbon disulfide		1.3	J	6.8	ug/Kg	8260B/DoD
Styrene		0.32	J	6.8	ug/Kg	8260B/DoD
Toluene		0.37	J	6.8	ug/Kg	8260B/DoD
Acenaphthene		3.6	J	6.7	ug/Kg	8270C/DoD
Acenaphthylene		12		6.7	ug/Kg	8270C/DoD
Anthracene		12		6.7	ug/Kg	8270C/DoD
Benzo[a]anthracene		58		6.7	ug/Kg	8270C/DoD
Benzo[a]pyrene		49		6.7	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		100		6.7	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		40		6.7	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		42	M	6.7	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		25	J H	51	ug/Kg	8270C/DoD
Chrysene		82		6.7	ug/Kg	8270C/DoD
Dibenzofuran		17	J	50	ug/Kg	8270C/DoD
1,4-Dichlorobenzene		20	J	50	ug/Kg	8270C/DoD
1,2-Dichlorobenzene		95		50	ug/Kg	8270C/DoD
Fluoranthene		96		6.7	ug/Kg	8270C/DoD
Fluorene		5.1	J	6.7	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		34	M	6.7	ug/Kg	8270C/DoD
2-Methylnaphthalene		53		6.7	ug/Kg	8270C/DoD
Naphthalene		36		6.7	ug/Kg	8270C/DoD
Phenanthrene		56		6.7	ug/Kg	8270C/DoD
Pyrene		79		6.7	ug/Kg	8270C/DoD
beta-BHC		150	D	35	ug/Kg	8081/DOD
Aluminum		6500		8.5	mg/Kg	6020/DOD
Antimony		0.21		0.17	mg/Kg	6020/DOD
Arsenic		22		0.42	mg/Kg	6020/DOD
Barium		44		0.42	mg/Kg	6020/DOD
Beryllium		0.43		0.085	mg/Kg	6020/DOD
Cadmium		0.081	J	0.17	mg/Kg	6020/DOD
Calcium		3600		170	mg/Kg	6020/DOD
Chromium		14		0.42	mg/Kg	6020/DOD
Cobalt		8.3		0.085	mg/Kg	6020/DOD
Copper		10		0.34	mg/Kg	6020/DOD
Iron		19000		42	mg/Kg	6020/DOD
Lead		13		0.25	mg/Kg	6020/DOD
Magnesium		2300		85	mg/Kg	6020/DOD
Manganese		440		0.42	mg/Kg	6020/DOD
Nickel		21		0.42	mg/Kg	6020/DOD
Potassium		730		85	mg/Kg	6020/DOD
Selenium		0.40	J	0.42	mg/Kg	6020/DOD
Silver		0.064	J	0.085	mg/Kg	6020/DOD
Sodium		37	J	85	mg/Kg	6020/DOD
Thallium		0.13	J	0.17	mg/Kg	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Vanadium		13		0.42	mg/Kg	6020/DOD
Zinc		43		3.4	mg/Kg	6020/DOD
Hg		0.049	J	0.090	mg/Kg	7471/DOD
Percent Solids		73		0.10	%	Moisture
Percent Moisture		27		0.10	%	Moisture
240-17477-8	**079SS-0006-0001-TB**					
Chloroform		0.61	J	1.0	ug/L	8260B/DoD

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B/DoD	
Closed System Purge and Trap	TAL NC		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C/DoD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Soxhlet Extraction	TAL NC		SW846 3540C
Organochlorine Pesticides (GC)	TAL NC	SW846 8081/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Soxhlet Extraction	TAL NC		SW846 3540C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Soxhlet Extraction	TAL NC		SW846 3540C
Metals (ICP/MS)	TAL NC	SW846 6020/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Preparation, Metals	TAL NC		SW846 3050B
Mercury (CVAA)	TAL NC	SW846 7471/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Preparation, Mercury	TAL NC		SW846 7471A
Percent Moisture	TAL NC	EPA Moisture	
Nitroguanidine (HPLC)	TAL WSC	SW846 8330 Modified	
Sieve and Ultrasonic Water Bath Extraction (Explosives)	TAL WSC		SW846 Sieve/Ultrasoni
Nitroaromatics and Nitramines (HPLC)	TAL WSC	SW846 8330B	
Sonication Extraction (Explosives)	TAL WSC		SW846 8330B
Nitrocellulose	TAL WSC	TAL-SAC WS-WC-0050	
Nitrocellulose Sample Preparation (Hydrolysis)	TAL WSC		MCAWW 353 (NCell-Hyd)
Nitrocellulose Sample Preparation	TAL WSC		MCAWW 353.2 (NCell)
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B/DoD	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C/DoD	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082/DOD	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Metals (ICP/MS)	TAL NC	SW846 6020/DOD	
Preparation, Total Recoverable or Dissolved Metals	TAL NC		SW846 3005A
Mercury (CVAA)	TAL NC	SW846 7470A/DOD	
Preparation, Mercury	TAL NC		SW846 7470A

Lab References:

TAL NC = TestAmerica Canton

TAL WSC = TestAmerica West Sacramento

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Description	Lab Location	Method	Preparation Method

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-SAC = TestAmerica Laboratories, West Sacramento, Facility Standard Operating Procedure.

METHOD / ANALYST SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Lata, Todd	TL
SW846 8260B/DoD	Macenczak, Steven	SM
SW846 8260B/DoD	Quayle, Rick	RQ
SW846 8270C/DoD	Ulman, Mark	MU
SW846 8081/DOD	Van Doren, Carolyn	CV
SW846 8082/DOD	Hass, Lori	LH
SW846 6020/DOD	Toth, Natalie J	NJT
SW846 7470A/DOD	Heakin, David	DH
SW846 7471/DOD	Heakin, David	DH
EPA Moisture	Grossman, Lucas	LG
TAL-SAC WS-WC-0050	Baynes, Jason	JB
SW846 8330 Modified	Noonan, Robyn	RN
SW846 8330B	Noonan, Robyn	RN

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110
Client Matrix: Solid % Moisture: 27.5 Date Received: 11/09/2012 1700

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-65171	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-64955	Lab File ID:	149192.D
Dilution:	1.0			Initial Weight/Volume:	4.065 g
Analysis Date:	11/15/2012 1910			Final Weight/Volume:	5 mL
Prep Date:	11/09/2012 2015				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.7	U J	0.95	8.5
1,1,2,2-Tetrachloroethane		0.85	U J	0.58	8.5
1,1,2-Trichloroethane		0.85	U J	0.66	8.5
1,1-Dichloroethane		0.85	U J	0.61	8.5
1,1-Dichloroethene		1.7	U J	0.88	8.5
1,2-Dibromoethane		1.7	U J	0.85	8.5
1,2-Dichloroethane		0.85	U J	0.58	8.5
1,2-Dichloroethene, Total		1.7	U J	1.3	17
1,2-Dichloropropane		1.7	U J	1.2	8.5
2-Butanone (MEK)		3.4	U J	2.4	34
2-Hexanone		1.7	U J	1.1	34
4-Methyl-2-pentanone (MIBK)		1.7	U J	0.92	34
Acetone		11	U J	11	34
Benzene		0.85	U J	0.39	8.5
Bromochloromethane		1.7	U J	1.2	8.5
Bromodichloromethane		0.85	U J	0.47	8.5
Bromoform		0.85	U J	0.56	8.5
Bromomethane		1.7	U J	0.92	8.5
Carbon disulfide		1.5	J	0.75	8.5
Carbon tetrachloride		0.85	U J	0.63	8.5
Chlorobenzene		0.85	U J	0.56	8.5
Chloroethane		1.7	U J	1.5	8.5
Chloroform		0.85	U J	0.49	8.5
Chloromethane		0.85	U J	0.70	8.5
cis-1,3-Dichloropropene		0.85	U J	0.58	8.5
Dibromochloromethane		1.7	U J	0.93	8.5
Ethylbenzene		0.85	U J	0.44	8.5
Methyl tert-butyl ether		0.85	U J	0.73	8.5
Methylene Chloride		1.7	U J	1.1	8.5
Styrene		0.85	U J	0.25	8.5
Tetrachloroethene		1.7	U J	0.88	8.5
Toluene		0.85	U J	0.46	8.5
trans-1,3-Dichloropropene		1.7	U J	0.92	8.5
Trichloroethene		0.85	U J	0.71	8.5
Vinyl chloride		0.85	U J	0.66	8.5
Xylenes, Total		2.5	U J	1.1	17

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		61 - 130
4-Bromofluorobenzene (Surr)	121	Q	85 - 120
Dibromofluoromethane (Surr)	84		59 - 138
Toluene-d8 (Surr)	107		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid % Moisture: 27.1 Date Received: 11/09/2012 1700

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-65336	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-64955	Lab File ID:	149224.D
Dilution:	1.0			Initial Weight/Volume:	5.042 g
Analysis Date:	11/16/2012 2005			Final Weight/Volume:	5 mL
Prep Date:	11/09/2012 2015				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.4	U	0.76	6.8
1,1,2,2-Tetrachloroethane		0.68	U	0.46	6.8
1,1,2-Trichloroethane		0.68	U	0.53	6.8
1,1-Dichloroethane		0.68	U	0.49	6.8
1,1-Dichloroethene		1.4	U	0.71	6.8
1,2-Dibromoethane		1.4	U	0.68	6.8
1,2-Dichloroethane		0.68	U	0.46	6.8
1,2-Dichloroethene, Total		1.4	U	1.0	14
1,2-Dichloropropane		1.4	U	0.94	6.8
2-Butanone (MEK)		2.7	U	1.9	27
2-Hexanone		1.9	J	0.86	27
4-Methyl-2-pentanone (MIBK)		1.4	U	0.73	27
Acetone		12	J B	8.6	27
Benzene		0.68	U	0.31	6.8
Bromochloromethane		1.4	U	0.97	6.8
Bromodichloromethane		0.68	U	0.38	6.8
Bromoform		0.68	U	0.45	6.8
Bromomethane		1.4	U	0.73	6.8
Carbon disulfide		1.3	J	0.60	6.8
Carbon tetrachloride		0.68	U	0.50	6.8
Chlorobenzene		0.68	U	0.45	6.8
Chloroethane		1.4	U	1.2	6.8
Chloroform		0.68	U	0.39	6.8
Chloromethane		0.68	U	0.56	6.8
cis-1,3-Dichloropropene		0.68	U	0.46	6.8
Dibromochloromethane		1.4	U	0.75	6.8
Ethylbenzene		0.68	U	0.35	6.8
Methyl tert-butyl ether		0.68	U	0.59	6.8
Methylene Chloride		1.4	U	0.91	6.8
Styrene		0.32	J	0.20	6.8
Tetrachloroethene		1.4	U	0.71	6.8
Toluene		0.37	J	0.37	6.8
trans-1,3-Dichloropropene		1.4	U	0.73	6.8
Trichloroethene		0.68	U	0.57	6.8
Vinyl chloride		0.68	U	0.53	6.8
Xylenes, Total		2.0	U	0.91	14

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		61 - 130
4-Bromofluorobenzene (Surr)	126	Q	85 - 120
Dibromofluoromethane (Surr)	81		59 - 138
Toluene-d8 (Surr)	112		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0006-0001-TB**

Lab Sample ID: 240-17477-8 Date Sampled: 11/09/2012 0800
Client Matrix: Water Date Received: 11/09/2012 1700

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	240-64831	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX0871.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/13/2012 1505			Final Weight/Volume:	5 mL
Prep Date:	11/13/2012 1505				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1-Trichloroethane	0.25	U	0.22	1.0
1,1,2,2-Tetrachloroethane	0.25	U	0.18	1.0
1,1,2-Trichloroethane	0.50	U	0.27	1.0
1,1-Dichloroethane	0.25	U	0.15	1.0
1,1-Dichloroethene	0.25	U	0.19	1.0
1,2-Dichloroethane	0.25	U	0.22	1.0
1,2-Dichloroethene, Total	0.50	U	0.34	2.0
1,2-Dichloropropane	0.25	U	0.18	1.0
2-Butanone (MEK)	0.57	U	0.57	10
2-Hexanone	0.50	U	0.41	10
4-Methyl-2-pentanone (MIBK)	0.50	U	0.32	10
Acetone	1.1	U	1.1	10
Benzene	0.25	U	0.13	1.0
Bromoform	0.64	U	0.64	1.0
Bromomethane	0.50	U	0.41	1.0
Carbon disulfide	0.25	U	0.13	1.0
Carbon tetrachloride	0.25	U	0.13	1.0
Chlorobenzene	0.25	U	0.15	1.0
Chloromethane	0.50	U	0.30	1.0
cis-1,3-Dichloropropene	0.25	U	0.14	1.0
Dibromochloromethane	0.25	U	0.18	1.0
Bromodichloromethane	0.25	U	0.15	1.0
Ethylbenzene	0.25	U	0.17	1.0
Methyl tert-butyl ether	0.25	U	0.17	1.0
Methylene Chloride	0.50	U	0.33	1.0
Styrene	0.25	U	0.11	1.0
Tetrachloroethene	0.50	U	0.29	1.0
Toluene	0.25	U	0.13	1.0
trans-1,3-Dichloropropene	0.25	U	0.19	1.0
Trichloroethene	0.25	U	0.17	1.0
Vinyl chloride	0.25	U	0.22	1.0
Xylenes, Total	0.75	U	0.28	2.0
Chloroform	0.61	J	0.16	1.0
Bromochloromethane	0.50	U	0.29	1.0
1,2-Dibromoethane	0.25	U	0.24	1.0
Chloroethane	0.50	U	0.29	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	99		85 - 120
1,2-Dichloroethane-d4 (Surr)	103		70 - 120
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0013-0001-SW**

Lab Sample ID: 240-17477-1 Date Sampled: 11/08/2012 1400
Client Matrix: Water Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-64920	Lab File ID:	21116013.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1311			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Acenaphthene	0.095	U	0.095	0.19
Acenaphthylene	0.095	U	0.095	0.19
Anthracene	0.095	U	0.095	0.19
Benzo[a]anthracene	0.095	U	0.095	0.19
Benzo[a]pyrene	0.095	U	0.095	0.19
Benzo[b]fluoranthene	0.095	U	0.095	0.19
Benzo[g,h,i]perylene	0.095	U	0.095	0.19
Benzoic acid	9.5	U	9.5	24
Benzo[k]fluoranthene	0.095	U	0.095	0.19
Benzyl alcohol	0.76	U	0.36	4.8
Bis(2-chloroethoxy)methane	0.76	U	0.30	0.95
Bis(2-chloroethyl)ether	0.095	U	0.095	0.95
bis (2-chloroisopropyl) ether	0.76	U	0.38	0.95
Bis(2-ethylhexyl) phthalate	23		0.76	1.9
4-Bromophenyl phenyl ether	0.76	U	0.76	1.9
Butyl benzyl phthalate	0.76	U	0.76	0.95
Carbazole	0.76	U	0.27	0.95
4-Chloroaniline	0.76	U	0.76	1.9
4-Chloro-3-methylphenol	0.76	U	0.76	1.9
2-Chloronaphthalene	0.095	U	0.095	0.95
2-Chlorophenol	0.76	U	0.28	0.95
4-Chlorophenyl phenyl ether	0.76	U	0.29	1.9
Chrysene	0.095	U	0.095	0.19
Dibenz(a,h)anthracene	0.095	U	0.095	0.19
Dibenzofuran	0.095	U	0.095	0.95
1,4-Dichlorobenzene	0.76	U	0.32	0.95
1,2-Dichlorobenzene	0.76	U	0.28	0.95
1,3-Dichlorobenzene	0.76	U	0.76	0.95
3,3'-Dichlorobenzidine	0.76	U	0.35	4.8
2,4-Dichlorophenol	0.76	U	0.76	1.9
Diethyl phthalate	0.76	U	0.57	0.95
2,4-Dimethylphenol	0.76	U	0.76	1.9
Dimethyl phthalate	0.76	U	0.28	0.95
Di-n-butyl phthalate	0.76	U	0.64	0.95
4,6-Dinitro-2-methylphenol	2.3	U	2.3	4.8
2,4-Dinitrophenol	2.3	U	2.3	4.8
2,4-Dinitrotoluene	0.76	U	0.26	4.8
2,6-Dinitrotoluene	0.76	U	0.76	4.8
Di-n-octyl phthalate	0.76	U	0.76	0.95
Fluoranthene	0.095	U	0.095	0.19
Fluorene	0.095	U	0.095	0.19
Hexachlorobenzene	0.095	U	0.095	0.19
Hexachlorobutadiene	0.76	U	0.26	0.95
Hexachlorocyclopentadiene	0.76	U	0.76	9.5
Hexachloroethane	0.76	U	0.76	0.95
Indeno[1,2,3-cd]pyrene	0.095	U	0.095	0.19

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0013-0001-SW**

Lab Sample ID: 240-17477-1 Date Sampled: 11/08/2012 1400
Client Matrix: Water Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-64920	Lab File ID:	21116013.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1311			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isophorone	0.76	U	0.26	0.95
2-Methylnaphthalene	0.095	U	0.095	0.19
2-Methylphenol	0.76	U	0.76	0.95
3 & 4 Methylphenol	0.76	U	0.76	1.9
Naphthalene	0.095	U	0.095	0.19
2-Nitroaniline	0.76	U	0.76	1.9
3-Nitroaniline	0.76	U	0.27	1.9
4-Nitroaniline	0.76	U	0.76	1.9
Nitrobenzene	0.095	U	0.038	0.95
2-Nitrophenol	0.76	U	0.27	1.9
4-Nitrophenol	2.3	U	2.3	4.8
N-Nitrosodi-n-propylamine	0.76	U	0.76	0.95
N-Nitrosodiphenylamine	0.76	U	0.30	0.95
Pentachlorophenol	2.3	U	2.3	4.8
Phenanthrene	0.095	U	0.095	0.19
Phenol	0.76	U	0.57	0.95
Pyrene	0.095	U	0.095	0.19
1,2,4-Trichlorobenzene	0.76	U	0.27	0.95
2,4,5-Trichlorophenol	0.76	U	0.29	4.8
2,4,6-Trichlorophenol	0.76	U	0.76	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	69		50 - 110
2-Fluorophenol (Surr)	66		20 - 110
Nitrobenzene-d5 (Surr)	71		40 - 110
Terphenyl-d14 (Surr)	77		50 - 135
2,4,6-Tribromophenol (Surr)	51		40 - 125
Phenol-d5 (Surr)	69		10 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0014-0001-SW**

Lab Sample ID: 240-17477-2 Date Sampled: 11/08/2012 1325
Client Matrix: Water Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-64920	Lab File ID:	21116014.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1330			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Acenaphthene	0.095	U	0.095	0.19
Acenaphthylene	0.095	U	0.095	0.19
Anthracene	0.095	U	0.095	0.19
Benzo[a]anthracene	0.095	U	0.095	0.19
Benzo[a]pyrene	0.095	U	0.095	0.19
Benzo[b]fluoranthene	0.095	U	0.095	0.19
Benzo[g,h,i]perylene	0.095	U	0.095	0.19
Benzoic acid	9.5	U	9.5	24
Benzo[k]fluoranthene	0.095	U	0.095	0.19
Benzyl alcohol	0.76	U	0.36	4.8
Bis(2-chloroethoxy)methane	0.76	U	0.30	0.95
Bis(2-chloroethyl)ether	0.095	U	0.095	0.95
bis (2-chloroisopropyl) ether	0.76	U	0.38	0.95
Bis(2-ethylhexyl) phthalate	2.8		0.76	1.9
4-Bromophenyl phenyl ether	0.76	U	0.76	1.9
Butyl benzyl phthalate	0.76	U	0.76	0.95
Carbazole	0.76	U	0.27	0.95
4-Chloroaniline	0.76	U	0.76	1.9
4-Chloro-3-methylphenol	0.76	U	0.76	1.9
2-Chloronaphthalene	0.095	U	0.095	0.95
2-Chlorophenol	0.76	U	0.28	0.95
4-Chlorophenyl phenyl ether	0.76	U	0.29	1.9
Chrysene	0.095	U	0.095	0.19
Dibenz(a,h)anthracene	0.095	U	0.095	0.19
Dibenzofuran	0.095	U	0.095	0.95
1,4-Dichlorobenzene	0.76	U	0.32	0.95
1,2-Dichlorobenzene	0.76	U	0.28	0.95
1,3-Dichlorobenzene	0.76	U	0.76	0.95
3,3'-Dichlorobenzidine	0.76	U	0.35	4.8
2,4-Dichlorophenol	0.76	U	0.76	1.9
Diethyl phthalate	0.76	U	0.57	0.95
2,4-Dimethylphenol	0.76	U	0.76	1.9
Dimethyl phthalate	0.76	U	0.28	0.95
Di-n-butyl phthalate	0.76	U	0.64	0.95
4,6-Dinitro-2-methylphenol	2.3	U	2.3	4.8
2,4-Dinitrophenol	2.3	U	2.3	4.8
2,4-Dinitrotoluene	0.76	U	0.26	4.8
2,6-Dinitrotoluene	0.76	U	0.76	4.8
Di-n-octyl phthalate	0.76	U	0.76	0.95
Fluoranthene	0.095	U	0.095	0.19
Fluorene	0.095	U	0.095	0.19
Hexachlorobenzene	0.095	U	0.095	0.19
Hexachlorobutadiene	0.76	U	0.26	0.95
Hexachlorocyclopentadiene	0.76	U	0.76	9.5
Hexachloroethane	0.76	U	0.76	0.95
Indeno[1,2,3-cd]pyrene	0.095	U	0.095	0.19

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0014-0001-SW**

Lab Sample ID: 240-17477-2 Date Sampled: 11/08/2012 1325
Client Matrix: Water Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-64920	Lab File ID:	21116014.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1330			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isophorone	0.76	U	0.26	0.95
2-Methylnaphthalene	0.095	U	0.095	0.19
2-Methylphenol	0.76	U	0.76	0.95
3 & 4 Methylphenol	0.76	U	0.76	1.9
Naphthalene	0.095	U	0.095	0.19
2-Nitroaniline	0.76	U	0.76	1.9
3-Nitroaniline	0.76	U	0.27	1.9
4-Nitroaniline	0.76	U	0.76	1.9
Nitrobenzene	0.095	U	0.038	0.95
2-Nitrophenol	0.76	U	0.27	1.9
4-Nitrophenol	2.3	U	2.3	4.8
N-Nitrosodi-n-propylamine	0.76	U	0.76	0.95
N-Nitrosodiphenylamine	0.76	U	0.30	0.95
Pentachlorophenol	2.3	U	2.3	4.8
Phenanthrene	0.095	U	0.095	0.19
Phenol	0.76	U	0.57	0.95
Pyrene	0.095	U	0.095	0.19
1,2,4-Trichlorobenzene	0.76	U	0.27	0.95
2,4,5-Trichlorophenol	0.76	U	0.29	4.8
2,4,6-Trichlorophenol	0.76	U	0.76	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	70		50 - 110
2-Fluorophenol (Surr)	75		20 - 110
Nitrobenzene-d5 (Surr)	71		40 - 110
Terphenyl-d14 (Surr)	72		50 - 135
2,4,6-Tribromophenol (Surr)	73		40 - 125
Phenol-d5 (Surr)	77		10 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0015-0001-SW**

Lab Sample ID: 240-17477-3 Date Sampled: 11/08/2012 1340
Client Matrix: Water Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-64920	Lab File ID:	21116015.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1349			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Acenaphthene	0.095	U	0.095	0.19
Acenaphthylene	0.095	U	0.095	0.19
Anthracene	0.095	U	0.095	0.19
Benzo[a]anthracene	0.095	U	0.095	0.19
Benzo[a]pyrene	0.095	U	0.095	0.19
Benzo[b]fluoranthene	0.095	U	0.095	0.19
Benzo[g,h,i]perylene	0.095	U	0.095	0.19
Benzoic acid	9.5	U	9.5	24
Benzo[k]fluoranthene	0.095	U	0.095	0.19
Benzyl alcohol	0.76	U	0.36	4.8
Bis(2-chloroethoxy)methane	0.76	U	0.30	0.95
Bis(2-chloroethyl)ether	0.095	U	0.095	0.95
bis (2-chloroisopropyl) ether	0.76	U	0.38	0.95
Bis(2-ethylhexyl) phthalate	1.7	J	0.76	1.9
4-Bromophenyl phenyl ether	0.76	U	0.76	1.9
Butyl benzyl phthalate	0.76	U	0.76	0.95
Carbazole	0.76	U	0.27	0.95
4-Chloroaniline	0.76	U	0.76	1.9
4-Chloro-3-methylphenol	0.76	U	0.76	1.9
2-Chloronaphthalene	0.095	U	0.095	0.95
2-Chlorophenol	0.76	U	0.28	0.95
4-Chlorophenyl phenyl ether	0.76	U	0.29	1.9
Chrysene	0.095	U	0.095	0.19
Dibenz(a,h)anthracene	0.095	U	0.095	0.19
Dibenzofuran	0.095	U	0.095	0.95
1,4-Dichlorobenzene	0.76	U	0.32	0.95
1,2-Dichlorobenzene	0.76	U	0.28	0.95
1,3-Dichlorobenzene	0.76	U	0.76	0.95
3,3'-Dichlorobenzidine	0.76	U	0.35	4.8
2,4-Dichlorophenol	0.76	U	0.76	1.9
Diethyl phthalate	0.76	U	0.57	0.95
2,4-Dimethylphenol	0.76	U	0.76	1.9
Dimethyl phthalate	0.76	U	0.28	0.95
Di-n-butyl phthalate	0.76	U	0.64	0.95
4,6-Dinitro-2-methylphenol	2.3	U	2.3	4.8
2,4-Dinitrophenol	2.3	U	2.3	4.8
2,4-Dinitrotoluene	0.76	U	0.26	4.8
2,6-Dinitrotoluene	0.76	U	0.76	4.8
Di-n-octyl phthalate	0.76	U	0.76	0.95
Fluoranthene	0.095	U	0.095	0.19
Fluorene	0.095	U	0.095	0.19
Hexachlorobenzene	0.095	U	0.095	0.19
Hexachlorobutadiene	0.76	U	0.26	0.95
Hexachlorocyclopentadiene	0.76	U	0.76	9.5
Hexachloroethane	0.76	U	0.76	0.95
Indeno[1,2,3-cd]pyrene	0.095	U	0.095	0.19

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0015-0001-SW**

Lab Sample ID: 240-17477-3 Date Sampled: 11/08/2012 1340
Client Matrix: Water Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-64920	Lab File ID:	21116015.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1349			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isophorone	0.76	U	0.26	0.95
2-Methylnaphthalene	0.095	U	0.095	0.19
2-Methylphenol	0.76	U	0.76	0.95
3 & 4 Methylphenol	0.76	U	0.76	1.9
Naphthalene	0.095	U	0.095	0.19
2-Nitroaniline	0.76	U	0.76	1.9
3-Nitroaniline	0.76	U	0.27	1.9
4-Nitroaniline	0.76	U	0.76	1.9
Nitrobenzene	0.095	U	0.038	0.95
2-Nitrophenol	0.76	U	0.27	1.9
4-Nitrophenol	2.3	U	2.3	4.8
N-Nitrosodi-n-propylamine	0.76	U	0.76	0.95
N-Nitrosodiphenylamine	0.76	U	0.30	0.95
Pentachlorophenol	2.3	U	2.3	4.8
Phenanthrene	0.095	U	0.095	0.19
Phenol	0.76	U	0.57	0.95
Pyrene	0.095	U	0.095	0.19
1,2,4-Trichlorobenzene	0.76	U	0.27	0.95
2,4,5-Trichlorophenol	0.76	U	0.29	4.8
2,4,6-Trichlorophenol	0.76	U	0.76	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	67		50 - 110
2-Fluorophenol (Surr)	69		20 - 110
Nitrobenzene-d5 (Surr)	70		40 - 110
Terphenyl-d14 (Surr)	69		50 - 135
2,4,6-Tribromophenol (Surr)	68		40 - 125
Phenol-d5 (Surr)	71		10 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0016-0001-SW**

Lab Sample ID: 240-17477-4 Date Sampled: 11/08/2012 1325
Client Matrix: Water Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-64920	Lab File ID:	21116016.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1408			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Acenaphthene	0.095	U	0.095	0.19
Acenaphthylene	0.095	U	0.095	0.19
Anthracene	0.095	U	0.095	0.19
Benzo[a]anthracene	0.095	U	0.095	0.19
Benzo[a]pyrene	0.095	U J	0.095	0.19
Benzo[b]fluoranthene	0.095	U	0.095	0.19
Benzo[g,h,i]perylene	0.095	U J	0.095	0.19
Benzoic acid	9.5	U	9.5	24
Benzo[k]fluoranthene	0.095	U	0.095	0.19
Benzyl alcohol	0.76	U	0.36	4.8
Bis(2-chloroethoxy)methane	0.76	U	0.30	0.95
Bis(2-chloroethyl)ether	0.095	U J	0.095	0.95
bis (2-chloroisopropyl) ether	0.76	U J	0.38	0.95
Bis(2-ethylhexyl) phthalate	0.76	U J	0.76	1.9
4-Bromophenyl phenyl ether	0.76	U	0.76	1.9
Butyl benzyl phthalate	0.76	U	0.76	0.95
Carbazole	0.76	U	0.27	0.95
4-Chloroaniline	0.76	U	0.76	1.9
4-Chloro-3-methylphenol	0.76	U	0.76	1.9
2-Chloronaphthalene	0.095	U	0.095	0.95
2-Chlorophenol	0.76	U	0.28	0.95
4-Chlorophenyl phenyl ether	0.76	U	0.29	1.9
Chrysene	0.095	U	0.095	0.19
Dibenz(a,h)anthracene	0.095	U J	0.095	0.19
Dibenzofuran	0.095	U	0.095	0.95
1,4-Dichlorobenzene	0.76	U J	0.32	0.95
1,2-Dichlorobenzene	0.76	U J	0.28	0.95
1,3-Dichlorobenzene	0.76	U J	0.76	0.95
3,3'-Dichlorobenzidine	0.76	U J	0.35	4.8
2,4-Dichlorophenol	0.76	U	0.76	1.9
Diethyl phthalate	0.76	U	0.57	0.95
2,4-Dimethylphenol	0.76	U	0.76	1.9
Dimethyl phthalate	0.76	U	0.28	0.95
Di-n-butyl phthalate	0.76	U	0.64	0.95
4,6-Dinitro-2-methylphenol	2.3	U	2.3	4.8
2,4-Dinitrophenol	2.3	U	2.3	4.8
2,4-Dinitrotoluene	0.76	U	0.26	4.8
2,6-Dinitrotoluene	0.76	U	0.76	4.8
Di-n-octyl phthalate	0.76	U J	0.76	0.95
Fluoranthene	0.095	U	0.095	0.19
Fluorene	0.095	U	0.095	0.19
Hexachlorobenzene	0.095	U	0.095	0.19
Hexachlorobutadiene	0.76	U J	0.26	0.95
Hexachlorocyclopentadiene	0.76	U	0.76	9.5
Hexachloroethane	0.76	U J	0.76	0.95
Indeno[1,2,3-cd]pyrene	0.095	U J	0.095	0.19

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0016-0001-SW**

Lab Sample ID: 240-17477-4 Date Sampled: 11/08/2012 1325
Client Matrix: Water Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Prep Method:	3520C	Prep Batch:	240-64920	Lab File ID:	21116016.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1408			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isophorone	0.76	U	0.26	0.95
2-Methylnaphthalene	0.095	U	0.095	0.19
2-Methylphenol	0.76	U	0.76	0.95
3 & 4 Methylphenol	0.76	U	0.76	1.9
Naphthalene	0.095	U	0.095	0.19
2-Nitroaniline	0.76	U	0.76	1.9
3-Nitroaniline	0.76	U	0.27	1.9
4-Nitroaniline	0.76	U	0.76	1.9
Nitrobenzene	0.095	U	0.038	0.95
2-Nitrophenol	0.76	U	0.27	1.9
4-Nitrophenol	2.3	U	2.3	4.8
N-Nitrosodi-n-propylamine	0.76	U	0.76	0.95
N-Nitrosodiphenylamine	0.76	U	0.30	0.95
Pentachlorophenol	2.3	U	2.3	4.8
Phenanthrene	0.095	U	0.095	0.19
Phenol	0.76	U	0.57	0.95
Pyrene	0.095	U	0.095	0.19
1,2,4-Trichlorobenzene	0.76	U J	0.27	0.95
2,4,5-Trichlorophenol	0.76	U	0.29	4.8
2,4,6-Trichlorophenol	0.76	U	0.76	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	67		50 - 110
2-Fluorophenol (Surr)	71		20 - 110
Nitrobenzene-d5 (Surr)	68		40 - 110
Terphenyl-d14 (Surr)	70		50 - 135
2,4,6-Tribromophenol (Surr)	71		40 - 125
Phenol-d5 (Surr)	73		10 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-65933	Lab File ID:	21203017.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	29.77 g
Analysis Date:	12/03/2012 1759			Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		5.7	J	3.3	6.7
Acenaphthylene		10		3.3	6.7
Anthracene		10		3.3	6.7
Benzo[a]anthracene		43		3.3	6.7
Benzo[a]pyrene		42		3.3	6.7
Benzo[b]fluoranthene		75		3.3	6.7
Benzo[g,h,i]perylene		26		3.3	6.7
Benzoic acid		340	U	340	670
Benzo[k]fluoranthene		27	M	3.3	6.7
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	100
Bis(2-chloroethyl)ether		3.3	U	2.0	100
bis (2-chloroisopropyl) ether		27	U	9.6	100
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	10	50
Carbazole		27	U	27	50
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	50
2-Chlorophenol		27	U	27	50
4-Chlorophenyl phenyl ether		27	U	13	50
Chrysene		63		1.1	6.7
Dibenz(a,h)anthracene		3.3	U	3.3	6.7
Dibenzofuran		23	J	3.3	50
1,4-Dichlorobenzene		27	U	20	50
1,2-Dichlorobenzene		14	J	9.8	50
1,3-Dichlorobenzene		27	U	11	50
3,3'-Dichlorobenzidine		81	U J	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	50
2,4-Dimethylphenol		81	U	20	150
Dimethyl phthalate		27	U	17	50
Di-n-butyl phthalate		27	U	15	50
4,6-Dinitro-2-methylphenol		81	U	81	150
2,4-Dinitrophenol		81	U J	81	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	50
Fluoranthene		78		3.3	6.7
Fluorene		6.1	J	3.3	6.7
Hexachlorobenzene		3.3	U	2.1	6.7
Hexachlorobutadiene		27	U	27	50
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	9.1	50
Indeno[1,2,3-cd]pyrene		22		3.3	6.7

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-65933	Lab File ID:	21203017.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	29.77 g
Analysis Date:	12/03/2012 1759			Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		27	U	13	50
2-Methylnaphthalene		90		3.3	6.7
2-Methylphenol		81	U	81	200
3 & 4 Methylphenol		81	U	20	400
Naphthalene		63		3.3	6.7
2-Nitroaniline		27	U	9.2	200
3-Nitroaniline		81	U	16	200
4-Nitroaniline		27	U J	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	50
4-Nitrophenol		81	U	81	330
N-Nitrosodi-n-propylamine		27	U	27	50
N-Nitrosodiphenylamine		27	U	21	50
Pentachlorophenol		81	U	81	150
Phenanthrene		71		3.3	6.7
Phenol		27	U	27	50
Pyrene		65		3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		81	U	81	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	58		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	58		35 - 100
Terphenyl-d14 (Surr)	66		30 - 125
2,4,6-Tribromophenol (Surr)	69		35 - 125
Phenol-d5 (Surr)	70		40 - 100

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-67436	Lab File ID:	21207011.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	29.74 g
Analysis Date:	12/07/2012 1703	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	12/05/2012 1050			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Bis(2-ethylhexyl) phthalate		27	U H	19	50

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	61		45 - 105
2-Fluorophenol (Surr)	74		35 - 105
Nitrobenzene-d5 (Surr)	60		35 - 100
Terphenyl-d14 (Surr)	72		30 - 125
2,4,6-Tribromophenol (Surr)	75		35 - 125
Phenol-d5 (Surr)	74		40 - 100

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-65933	Lab File ID:	21203016.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	29.78 g
Analysis Date:	12/03/2012 1734			Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.6	J	3.3	6.7
Acenaphthylene		12		3.3	6.7
Anthracene		12		3.3	6.7
Benzo[a]anthracene		58		3.3	6.7
Benzo[a]pyrene		49		3.3	6.7
Benzo[b]fluoranthene		100		3.3	6.7
Benzo[g,h,i]perylene		40		3.3	6.7
Benzoic acid		340	U	340	660
Benzo[k]fluoranthene		42	M	3.3	6.7
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	100
Bis(2-chloroethyl)ether		3.3	U	2.0	100
bis (2-chloroisopropyl) ether		27	U	9.6	100
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	10	50
Carbazole		27	U	27	50
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	50
2-Chlorophenol		27	U	27	50
4-Chlorophenyl phenyl ether		27	U	13	50
Chrysene		82		1.1	6.7
Dibenz(a,h)anthracene		3.3	U	3.3	6.7
Dibenzofuran		17	J	3.3	50
1,4-Dichlorobenzene		20	J	20	50
1,2-Dichlorobenzene		95		9.8	50
1,3-Dichlorobenzene		27	U	11	50
3,3'-Dichlorobenzidine		81	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	50
2,4-Dimethylphenol		81	U	20	150
Dimethyl phthalate		27	U	17	50
Di-n-butyl phthalate		27	U	15	50
4,6-Dinitro-2-methylphenol		81	U	81	150
2,4-Dinitrophenol		81	U	81	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	50
Fluoranthene		96		3.3	6.7
Fluorene		5.1	J	3.3	6.7
Hexachlorobenzene		3.3	U	2.1	6.7
Hexachlorobutadiene		27	U	27	50
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	9.1	50
Indeno[1,2,3-cd]pyrene		34	M	3.3	6.7

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-65933	Lab File ID:	21203016.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	29.78 g
Analysis Date:	12/03/2012 1734			Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		27	U	13	50
2-Methylnaphthalene		53		3.3	6.7
2-Methylphenol		81	U	81	200
3 & 4 Methylphenol		81	U	20	400
Naphthalene		36		3.3	6.7
2-Nitroaniline		27	U	9.2	200
3-Nitroaniline		81	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	50
4-Nitrophenol		81	U	81	330
N-Nitrosodi-n-propylamine		27	U	27	50
N-Nitrosodiphenylamine		27	U	21	50
Pentachlorophenol		81	U	81	150
Phenanthrene		56		3.3	6.7
Phenol		27	U	27	50
Pyrene		79		3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		81	U	81	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	69		45 - 105
2-Fluorophenol (Surr)	87		35 - 105
Nitrobenzene-d5 (Surr)	72		35 - 100
Terphenyl-d14 (Surr)	81		30 - 125
2,4,6-Tribromophenol (Surr)	82		35 - 125
Phenol-d5 (Surr)	87		40 - 100

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C/DoD	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-67436	Lab File ID:	21207014.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	29.66 g
Analysis Date:	12/07/2012 1818	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	12/05/2012 1050			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Bis(2-ethylhexyl) phthalate		25	J H	19	51

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	65		45 - 105
2-Fluorophenol (Surr)	80		35 - 105
Nitrobenzene-d5 (Surr)	62		35 - 100
Terphenyl-d14 (Surr)	74		30 - 125
2,4,6-Tribromophenol (Surr)	84		35 - 125
Phenol-d5 (Surr)	81		40 - 100

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-66829	Instrument ID:	A2HP9
Prep Method:	3540C	Prep Batch:	240-65759	Initial Weight/Volume:	30.22 g
Dilution:	50	Leach Batch:	240-65057	Final Weight/Volume:	10 mL
Analysis Date:	11/29/2012 1830			Injection Volume:	1 uL
Prep Date:	11/20/2012 1121			Result Type:	PRIMARY
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		33	U J	31	99
4,4'-DDE		33	U	19	84
4,4'-DDT		33	U J	31	99
Aldrin		66	U	60	200
alpha-BHC		66	U	36	120
alpha-Chlordane		66	U	47	150
beta-BHC		66	U	55	170
delta-BHC		66	U	60	200
Dieldrin		33	U	23	84
Endosulfan I		33	U J	26	84
Endosulfan II		66	U	41	120
Endosulfan sulfate		66	U	43	150
Endrin		33	U	25	84
Endrin aldehyde		66	U	50	150
Endrin ketone		33	U	31	99
gamma-BHC (Lindane)		66	U	37	120
gamma-Chlordane		33	U	21	84
Heptachlor		66	U	55	170
Heptachlor epoxide		66	U	40	120
Methoxychlor		160	U	74	250
Toxaphene		990	U	940	3300

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		55 - 130
Tetrachloro-m-xylene	103		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-66829	Instrument ID:	A2HP9
Prep Method:	3540C	Prep Batch:	240-65759	Initial Weight/Volume:	30.22 g
Dilution:	50	Leach Batch:	240-65057	Final Weight/Volume:	10 mL
Analysis Date:	11/29/2012 1830			Injection Volume:	1 uL
Prep Date:	11/20/2012 1121			Result Type:	SECONDARY
Leach Date:	11/12/2012 2200				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		55 - 130
Tetrachloro-m-xylene	87		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Prep Method:	3540C	Prep Batch:	240-65759	Initial Weight/Volume:	29.96 g
Dilution:	10	Leach Batch:	240-65057	Final Weight/Volume:	10 mL
Analysis Date:	11/28/2012 2043			Injection Volume:	1 uL
Prep Date:	11/20/2012 1121			Result Type:	PRIMARY
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		6.7	U	6.2	20
4,4'-DDE		6.7	U	3.9	17
4,4'-DDT		6.7	U	6.3	20
Aldrin		13	U	12	40
alpha-BHC		13	U	7.3	25
alpha-Chlordane		13	U	9.4	30
beta-BHC		150	D	11	35
delta-BHC		13	U	12	40
Dieldrin		6.7	U	4.7	17
Endosulfan I		6.7	U	5.2	17
Endosulfan II		13	U	8.2	25
Endosulfan sulfate		13	U	8.7	30
Endrin		6.7	U	5.0	17
Endrin aldehyde		13	U	10	30
Endrin ketone		6.7	U	6.3	20
gamma-BHC (Lindane)		13	U	7.4	25
gamma-Chlordane		6.7	U	4.2	17
Heptachlor		13	U	11	35
Heptachlor epoxide		13	U	8.0	25
Methoxychlor		33	U	15	50
Toxaphene		200	U	190	670

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		55 - 130
Tetrachloro-m-xylene	102		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Prep Method:	3540C	Prep Batch:	240-65759	Initial Weight/Volume:	29.96 g
Dilution:	10	Leach Batch:	240-65057	Final Weight/Volume:	10 mL
Analysis Date:	11/28/2012 2043			Injection Volume:	1 uL
Prep Date:	11/20/2012 1121			Result Type:	SECONDARY
Leach Date:	11/12/2012 2200				

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		55 - 130
Tetrachloro-m-xylene	104		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0013-0001-SW**

Lab Sample ID: 240-17477-1 Date Sampled: 11/08/2012 1400
Client Matrix: Water Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-64779	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/18/2012 1757			Injection Volume:	1 uL
Prep Date:	11/13/2012 0955			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aroclor-1221	0.19	U	0.12	0.48
Aroclor-1016	0.19	U	0.16	0.48
Aroclor-1232	0.19	U	0.15	0.48
Aroclor-1242	0.38	U	0.21	0.48
Aroclor-1248	0.19	U	0.095	0.48
Aroclor-1254	0.19	U	0.15	0.48
Aroclor-1260	0.19	U	0.16	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		40 - 140
DCB Decachlorobiphenyl	78		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0013-0001-SW**

Lab Sample ID: 240-17477-1 Date Sampled: 11/08/2012 1400
Client Matrix: Water Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-64779	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/18/2012 1757			Injection Volume:	1 uL
Prep Date:	11/13/2012 0955			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		40 - 140
DCB Decachlorobiphenyl	74		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0014-0001-SW**

Lab Sample ID: 240-17477-2 Date Sampled: 11/08/2012 1325
Client Matrix: Water Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-64779	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/18/2012 1812			Injection Volume:	1 uL
Prep Date:	11/13/2012 0955			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aroclor-1221	0.19	U	0.12	0.48
Aroclor-1016	0.19	U	0.16	0.48
Aroclor-1232	0.19	U	0.15	0.48
Aroclor-1242	0.38	U	0.21	0.48
Aroclor-1248	0.19	U	0.095	0.48
Aroclor-1254	0.19	U	0.15	0.48
Aroclor-1260	0.19	U	0.16	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		40 - 140
DCB Decachlorobiphenyl	73		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0014-0001-SW**

Lab Sample ID: 240-17477-2 Date Sampled: 11/08/2012 1325
Client Matrix: Water Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-64779	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/18/2012 1812			Injection Volume:	1 uL
Prep Date:	11/13/2012 0955			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		40 - 140
DCB Decachlorobiphenyl	68		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0015-0001-SW**

Lab Sample ID: 240-17477-3 Date Sampled: 11/08/2012 1340
Client Matrix: Water Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-64779	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/18/2012 1827			Injection Volume:	1 uL
Prep Date:	11/13/2012 0955			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aroclor-1221	0.19	U	0.12	0.48
Aroclor-1016	0.19	U	0.16	0.48
Aroclor-1232	0.19	U	0.15	0.48
Aroclor-1242	0.38	U	0.21	0.48
Aroclor-1248	0.19	U	0.095	0.48
Aroclor-1254	0.19	U	0.15	0.48
Aroclor-1260	0.19	U	0.16	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		40 - 140
DCB Decachlorobiphenyl	74		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0015-0001-SW**

Lab Sample ID: 240-17477-3 Date Sampled: 11/08/2012 1340
Client Matrix: Water Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-64779	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/18/2012 1827			Injection Volume:	1 uL
Prep Date:	11/13/2012 0955			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		40 - 140
DCB Decachlorobiphenyl	69		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0016-0001-SW**

Lab Sample ID: 240-17477-4 Date Sampled: 11/08/2012 1325
Client Matrix: Water Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-64779	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/18/2012 1842			Injection Volume:	1 uL
Prep Date:	11/13/2012 0955			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aroclor-1221	0.19	U	0.12	0.48
Aroclor-1016	0.19	U	0.16	0.48
Aroclor-1232	0.19	U	0.15	0.48
Aroclor-1242	0.38	U	0.21	0.48
Aroclor-1248	0.19	U	0.095	0.48
Aroclor-1254	0.19	U	0.15	0.48
Aroclor-1260	0.19	U	0.16	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		40 - 140
DCB Decachlorobiphenyl	71		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0016-0001-SW**

Lab Sample ID: 240-17477-4 Date Sampled: 11/08/2012 1325
Client Matrix: Water Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-64779	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/18/2012 1842			Injection Volume:	1 uL
Prep Date:	11/13/2012 0955			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	74		40 - 140
DCB Decachlorobiphenyl	66		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-65753	Initial Weight/Volume:	30.22 g
Dilution:	1.0	Leach Batch:	240-65057	Final Weight/Volume:	10 mL
Analysis Date:	11/27/2012 0506			Injection Volume:	1 1/cm
Prep Date:	11/20/2012 1106			Result Type:	PRIMARY
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	65		40 - 140
DCB Decachlorobiphenyl	68		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-65753	Initial Weight/Volume:	30.22 g
Dilution:	1.0	Leach Batch:	240-65057	Final Weight/Volume:	10 mL
Analysis Date:	11/27/2012 0506			Injection Volume:	1 1/cm
Prep Date:	11/20/2012 1106			Result Type:	SECONDARY
Leach Date:	11/12/2012 2200				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58		40 - 140
DCB Decachlorobiphenyl	62		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-65753	Initial Weight/Volume:	29.96 g
Dilution:	1.0	Leach Batch:	240-65057	Final Weight/Volume:	10 mL
Analysis Date:	11/27/2012 0620			Injection Volume:	1 1/cm
Prep Date:	11/20/2012 1106			Result Type:	PRIMARY
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	50
Aroclor-1016		25	U	21	65
Aroclor-1232		25	U	14	45
Aroclor-1242		25	U	13	40
Aroclor-1248		25	U	17	55
Aroclor-1254		25	U	17	55
Aroclor-1260		25	U	17	55

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		40 - 140
DCB Decachlorobiphenyl	74		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-65753	Initial Weight/Volume:	29.96 g
Dilution:	1.0	Leach Batch:	240-65057	Final Weight/Volume:	10 mL
Analysis Date:	11/27/2012 0620			Injection Volume:	1 1/cm
Prep Date:	11/20/2012 1106			Result Type:	SECONDARY
Leach Date:	11/12/2012 2200				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		40 - 140
DCB Decachlorobiphenyl	72		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6611	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6242	Lab File ID:	320-0001600-013-1.d
Dilution:	1.0			Initial Weight/Volume:	2.04 g
Analysis Date:	11/29/2012 1753			Final Weight/Volume:	10.00 mL
Prep Date:	11/21/2012 1438			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.039	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6611	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6242	Lab File ID:	320-0001600-017-1.d
Dilution:	1.0			Initial Weight/Volume:	1.97 g
Analysis Date:	11/29/2012 1850			Final Weight/Volume:	10.00 mL
Prep Date:	11/21/2012 1438			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.041	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-6640	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6245	Initial Weight/Volume:	10.04 g
Dilution:	1.0			Final Weight/Volume:	80.00 mL
Analysis Date:	12/01/2012 1233			Injection Volume:	500 uL
Prep Date:	11/21/2012 1509			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.010	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0073	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.018	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.010	0.25
1,3,5-Trinitrobenzene		0.050	U	0.010	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	92		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-6640	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6245	Initial Weight/Volume:	9.98 g
Dilution:	1.0			Final Weight/Volume:	80.00 mL
Analysis Date:	12/01/2012 1433			Injection Volume:	500 uL
Prep Date:	11/21/2012 1509			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.010	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0073	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.018	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.016	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.010	0.25
1,3,5-Trinitrobenzene		0.050	U	0.010	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	94		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0013-0001-SW**

Lab Sample ID: 240-17477-1 Date Sampled: 11/08/2012 1400
Client Matrix: Water Date Received: 11/09/2012 1700

6020/DOD Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020/DOD	Analysis Batch:	240-68088	Instrument ID:	I8
Prep Method:	3005A	Prep Batch:	240-65311	Lab File ID:	I8121012A.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/10/2012 1219			Final Weight/Volume:	50 mL
Prep Date:	11/16/2012 0908				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aluminum	54	J	20	60
Antimony	0.50	U	0.21	2.0
Arsenic	0.64	J	0.44	5.0
Barium	30		1.6	5.0
Beryllium	0.50	U	0.50	1.0
Cadmium	0.40	U	0.40	2.0
Calcium	33000		540	2000
Chromium	1.5	U	0.53	2.0
Cobalt	0.29	J	0.20	1.0
Copper	4.0	U	1.4	4.0
Iron	1400		44	150
Lead	0.50	U	0.20	1.0
Magnesium	9400		120	1000
Manganese	620		1.1	5.0
Nickel	1.5	U	0.62	5.0
Potassium	1700		16	1000
Selenium	0.50	U	0.20	5.0
Silver	0.25	U	0.080	1.0
Sodium	4300		160	1000
Thallium	1.0	U	0.32	2.0
Vanadium	1.5	U	0.51	5.0
Zinc	20	U	8.8	40

7470A/DOD Mercury (CVAA)

Analysis Method:	7470A/DOD	Analysis Batch:	240-66485	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-66219	Lab File ID:	112712A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1626			Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 1525				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Mercury	0.20	U	0.12	0.20

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0014-0001-SW**

Lab Sample ID: 240-17477-2 Date Sampled: 11/08/2012 1325
Client Matrix: Water Date Received: 11/09/2012 1700

6020/DOD Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020/DOD	Analysis Batch:	240-68088	Instrument ID:	I8
Prep Method:	3005A	Prep Batch:	240-65311	Lab File ID:	I8121012A.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/10/2012 1224			Final Weight/Volume:	50 mL
Prep Date:	11/16/2012 0908				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aluminum	250		20	60
Antimony	0.50	U	0.21	2.0
Arsenic	0.70	J	0.44	5.0
Barium	32		1.6	5.0
Beryllium	0.50	U	0.50	1.0
Cadmium	0.40	U	0.40	2.0
Calcium	33000		540	2000
Chromium	1.5	U	0.53	2.0
Cobalt	0.20	U	0.20	1.0
Copper	4.0	U	1.4	4.0
Iron	1000		44	150
Lead	0.31	J	0.20	1.0
Magnesium	9000		120	1000
Manganese	240		1.1	5.0
Nickel	0.74	J	0.62	5.0
Potassium	2000		16	1000
Selenium	0.50	U	0.20	5.0
Silver	0.25	U	0.080	1.0
Sodium	4100		160	1000
Thallium	1.0	U	0.32	2.0
Vanadium	0.55	J	0.51	5.0
Zinc	20	U	8.8	40

7470A/DOD Mercury (CVAA)

Analysis Method:	7470A/DOD	Analysis Batch:	240-66485	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-66219	Lab File ID:	112712A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1619			Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 1525				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Mercury	0.20	U	0.12	0.20

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0015-0001-SW**

Lab Sample ID: 240-17477-3 Date Sampled: 11/08/2012 1340
Client Matrix: Water Date Received: 11/09/2012 1700

6020/DOD Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020/DOD	Analysis Batch:	240-68088	Instrument ID:	I8
Prep Method:	3005A	Prep Batch:	240-65311	Lab File ID:	I8121012A.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/10/2012 1229			Final Weight/Volume:	50 mL
Prep Date:	11/16/2012 0908				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aluminum	38	J	20	60
Antimony	0.50	U	0.21	2.0
Arsenic	1.0	U	0.44	5.0
Barium	27		1.6	5.0
Beryllium	0.50	U	0.50	1.0
Cadmium	0.40	U	0.40	2.0
Calcium	32000		540	2000
Chromium	1.5	U	0.53	2.0
Cobalt	0.20	U	0.20	1.0
Copper	4.0	U	1.4	4.0
Iron	620		44	150
Lead	0.50	U	0.20	1.0
Magnesium	8900		120	1000
Manganese	190		1.1	5.0
Nickel	1.5	U	0.62	5.0
Potassium	1800		16	1000
Selenium	0.50	U	0.20	5.0
Silver	0.25	U	0.080	1.0
Sodium	4200		160	1000
Thallium	1.0	U	0.32	2.0
Vanadium	1.5	U	0.51	5.0
Zinc	20	U	8.8	40

7470A/DOD Mercury (CVAA)

Analysis Method:	7470A/DOD	Analysis Batch:	240-66485	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-66219	Lab File ID:	112712A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1611			Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 1525				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Mercury	0.20	U	0.12	0.20

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **068SW-0016-0001-SW**

Lab Sample ID: 240-17477-4 Date Sampled: 11/08/2012 1325
Client Matrix: Water Date Received: 11/09/2012 1700

6020/DOD Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020/DOD	Analysis Batch:	240-68088	Instrument ID:	I8
Prep Method:	3005A	Prep Batch:	240-65311	Lab File ID:	I8121012A.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/10/2012 1138			Final Weight/Volume:	50 mL
Prep Date:	11/16/2012 0908				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aluminum	320		20	60
Antimony	1.0	J	0.21	2.0
Arsenic	0.78	J	0.44	5.0
Barium	34		1.6	5.0
Beryllium	0.50	U	0.50	1.0
Cadmium	0.40	U	0.40	2.0
Calcium	31000		540	2000
Chromium	1.5	U	0.53	2.0
Cobalt	0.31	J	0.20	1.0
Copper	1.6	J	1.4	4.0
Iron	1300		44	150
Lead	0.59	J	0.20	1.0
Magnesium	8300		120	1000
Manganese	330		1.1	5.0
Nickel	0.90	J	0.62	5.0
Potassium	1900		16	1000
Selenium	0.50	U	0.20	5.0
Silver	0.093	J	0.080	1.0
Sodium	3900		160	1000
Thallium	0.43	J	0.32	2.0
Vanadium	0.72	J	0.51	5.0
Zinc	12	J	8.8	40

7470A/DOD Mercury (CVAA)

Analysis Method:	7470A/DOD	Analysis Batch:	240-66485	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-66219	Lab File ID:	112712A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1609			Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 1525				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Mercury	0.20	U	0.12	0.20

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0003M-0001-SO**

Lab Sample ID: 240-17477-5 Date Sampled: 11/09/2012 1210
Client Matrix: Solid Date Received: 11/09/2012 1700

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	240-66205	Instrument ID:	I8
Prep Method:	3050B	Prep Batch:	240-65198	Lab File ID:	I8112312A.csv
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	1.04 g
Analysis Date:	11/23/2012 1754			Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1219				
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		7800		2.4	9.6
Antimony		0.71		0.060	0.19
Arsenic		37		0.050	0.48
Barium		63		0.13	0.48
Beryllium		0.65		0.0034	0.096
Cadmium		0.13	J	0.0030	0.19
Calcium		9800		39	190
Chromium		26		0.15	0.48
Cobalt		14		0.0043	0.096
Copper		16		0.11	0.38
Iron		21000		10	48
Lead		24		0.068	0.29
Magnesium		3300		8.6	96
Manganese		720		0.15	0.48
Nickel		33		0.083	0.48
Potassium		920		3.6	96
Selenium		0.53		0.020	0.48
Silver		0.20		0.015	0.096
Sodium		66	J	13	96
Thallium		0.084	J	0.054	0.19
Vanadium		14		0.042	0.48
Zinc		57		0.96	3.8

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-65450	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-65204	Lab File ID:	111612A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	0.62 g
Analysis Date:	11/16/2012 1942			Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1440				
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.062	J	0.014	0.097

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	240-66205	Instrument ID:	I8
Prep Method:	3050B	Prep Batch:	240-65198	Lab File ID:	I8112312A.csv
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	1.26 g
Analysis Date:	11/23/2012 1759			Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1226				
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		7700		2.0	7.9
Antimony		0.23	J	0.049	0.16
Arsenic		21		0.041	0.40
Barium		60		0.10	0.40
Beryllium		0.53		0.0028	0.079
Cadmium		0.087	J	0.0025	0.16
Calcium		5500	J	32	160
Chromium		20		0.13	0.40
Cobalt		8.4		0.0036	0.079
Copper		11		0.087	0.32
Iron		19000	J	8.7	40
Lead		14		0.056	0.24
Magnesium		2700	J	7.1	79
Manganese		530	J	0.13	0.40
Nickel		23		0.069	0.40
Potassium		870		3.0	79
Selenium		0.46		0.016	0.40
Silver		0.053	J	0.013	0.079
Sodium		52	J	11	79
Thallium		0.13	J	0.045	0.16
Vanadium		14		0.034	0.40
Zinc		44		0.79	3.2

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-65450	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-65204	Lab File ID:	111612A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	0.61 g
Analysis Date:	11/16/2012 1944			Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1440				
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.058	J	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	240-66205	Instrument ID:	I8
Prep Method:	3050B	Prep Batch:	240-65198	Lab File ID:	I8112312A.csv
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	1.18 g
Analysis Date:	11/23/2012 1828			Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1226				
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		6500		2.1	8.5
Antimony		0.21		0.053	0.17
Arsenic		22		0.044	0.42
Barium		44		0.11	0.42
Beryllium		0.43		0.0030	0.085
Cadmium		0.081	J	0.0026	0.17
Calcium		3600		34	170
Chromium		14		0.14	0.42
Cobalt		8.3		0.0038	0.085
Copper		10		0.093	0.34
Iron		19000		9.2	42
Lead		13		0.060	0.25
Magnesium		2300		7.5	85
Manganese		440		0.14	0.42
Nickel		21		0.073	0.42
Potassium		730		3.2	85
Selenium		0.40	J	0.018	0.42
Silver		0.064	J	0.014	0.085
Sodium		37	J	12	85
Thallium		0.13	J	0.048	0.17
Vanadium		13		0.037	0.42
Zinc		43		0.85	3.4

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-65450	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-65204	Lab File ID:	111612A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	0.67 g
Analysis Date:	11/16/2012 1948			Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1440				
Leach Date:	11/12/2012 2200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.049	J	0.013	0.090

General Chemistry

Client Sample ID: **079SS-0003M-0001-SO**

Lab Sample ID: 240-17477-5 Date Sampled: 11/09/2012 1210

Client Matrix: Solid Date Received: 11/09/2012 1700

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-65100	Analysis Date: 11/15/2012 0805						DryWt Corrected: N
Percent Moisture	1.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-65100	Analysis Date: 11/15/2012 0805						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0004M-0001-SO**

Lab Sample ID: 240-17477-6 Date Sampled: 11/09/2012 1110

Client Matrix: Solid Date Received: 11/09/2012 1700

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	73		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-65100	Analysis Date: 11/15/2012 0805						DryWt Corrected: N
Percent Moisture	27		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-65100	Analysis Date: 11/15/2012 0805						DryWt Corrected: N
Nitrocellulose	18	U	mg/Kg	7.5	48	1.0	WS-WC-0050
Analysis Batch: 320-6863	Analysis Date: 12/04/2012 1448						DryWt Corrected: N
Prep Batch: 320-6824	Prep Date: 12/04/2012 0705						

General Chemistry

Client Sample ID: **079SS-0005M-0001-SO**

Lab Sample ID: 240-17477-7 Date Sampled: 11/09/2012 1110
Client Matrix: Solid Date Received: 11/09/2012 1700

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	73		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-65100	Analysis Date: 11/15/2012 0805						DryWt Corrected: N
Percent Moisture	27		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-65100	Analysis Date: 11/15/2012 0805						DryWt Corrected: N
Nitrocellulose	17	U	mg/Kg	7.2	46	1.0	WS-WC-0050
Analysis Batch: 320-6863	Analysis Date: 12/04/2012 1502						DryWt Corrected: N
Prep Batch: 320-6824	Prep Date: 12/04/2012 0705						

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MRL 240-65171/5		89	97	97	95
MRL 240-65171/29		87	100	96	101
MRL 240-65336/5		89	96	98	95
MRL 240-65336/24		86	96	96	95

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-17477-6	079SS-0004M-0001-SO	84	95	107	121Q
240-17477-7	079SS-0005M-0001-SO	81	92	112	126Q
MB 240-65171/8		83	95	93	97
MB 240-65336/8		83	94	95	97
LCS 240-65171/7		93	94	97	102
LCS 240-65336/7		96	98	102	107
240-17477-6 MS	079SS-0004M-0001-SO MS	93	93	108	126Q
240-17477-6 MSD	079SS-0004M-0001-SO MSD	78	83	86	96

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	59-138
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MRL 240-64831/5		100	99	104	99
MRL 240-64831/12		104	104	109	97

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-17477-8	079SS-0006-0001-TB	99	103	99	89
MB 240-64831/6		101	102	101	94
LCS 240-64831/4		102	105	104	106

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-17477-6	079SS-0004M-0001-SO	67	70	58	58	69	66
240-17477-6 RE	079SS-0004M-0001-SO RE	74	74	60	61	75	72
240-17477-7	079SS-0005M-0001-SO	87	87	72	69	82	81
240-17477-7 RE	079SS-0005M-0001-SO RE	80	81	62	65	84	74
MB 240-65933/23-A		81	86	78	76	56	93
MB 240-67436/23-A		76	77	69	65	58	77
LCS 240-65933/24-A		74	75	72	68	73	77
LCS 240-67436/24-A		76	78	65	63	79	75
240-17477-6 MS	079SS-0004M-0001-SO MS	76	79	72	66	77	69
240-17477-6 MS RE	079SS-0004M-0001-SO MS RE	72	76	60	66	86	73
240-17477-6 MSD	079SS-0004M-0001-SO MSD	75	77	71	67	78	71
240-17477-6 MSD RE	079SS-0004M-0001-SO MSD RE	72	72	61	63	84	71

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl (Surr)	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-17477-1	068SW-0013-0001-SW	66	69	71	69	51	77
240-17477-2	068SW-0014-0001-SW	75	77	71	70	73	72
240-17477-3	068SW-0015-0001-SW	69	71	70	67	68	69
240-17477-4	068SW-0016-0001-SW	71	73	68	67	71	70
MB 240-64920/23-A		79	82	75	74	71	82
LCS 240-64920/24-A		84	85	75	74	79	81
240-17477-4 MS	068SW-0016-0001-SW MS	57	61	54	58	71	73
240-17477-4 MSD	068SW-0016-0001-SW MSD	78	80	70	70	73	60

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	20-110
PHL = Phenol-d5 (Surr)	10-115
NBZ = Nitrobenzene-d5 (Surr)	40-110
FBP = 2-Fluorobiphenyl (Surr)	50-110
TBP = 2,4,6-Tribromophenol (Surr)	40-125
TPH = Terphenyl-d14 (Surr)	50-135

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
MRL 240-67070/13		100	101Q	98	94	101	93
MRL 240-67070/24		103	104Q	100	95	110	95
MRL 240-67729/3		108Q	113Q	109Q	107Q	108	106
MRL 240-67729/15		103	110Q	99	101	112	100

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8270C/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
MRL 240-65294/3		97	100	93	100	95	101
MRL 240-65294/19		99	94	92	98	99	100

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	70-130
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8081/DOD Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-17477-6	079SS-0004M-0001-SO	87	103	92	91
240-17477-7	079SS-0005M-0001-SO	104	102	127	102
MB 240-65759/17-A		86	86	92	88
LCS 240-65759/18-A		85	81	97	92
240-17477-6 MS	079SS-0004M-0001-SO MS	110	147Q	114	123
240-17477-6 MSD	079SS-0004M-0001-SO MSD	102	133Q	91M	96

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-17477-6	079SS-0004M-0001-SO	65	58	68	62
240-17477-7	079SS-0005M-0001-SO	76	68	74	72
MB 240-65753/23-A		79	72	80	82
LCS 240-65753/24-A		61	60	83	84
240-17477-6 MS	079SS-0004M-0001-SO MS	64	60	66	60
240-17477-6 MSD	079SS-0004M-0001-SO MSD	71	68	78	70

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	60-125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-17477-1	068SW-0013-0001-SW	93	80	78	74
240-17477-2	068SW-0014-0001-SW	88	73	73	68
240-17477-3	068SW-0015-0001-SW	95	80	74	69
240-17477-4	068SW-0016-0001-SW	91	74	71	66
MB 240-64779/13-A		92	88	90	85
LCS 240-64779/14-A		89	76	92	85
240-17477-4 MS	068SW-0016-0001-SW MS	96	79	80	75
240-17477-4 MSD	068SW-0016-0001-SW MSD	95	76	68	62

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	40-135

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
MRL 240-65363/4		105	113	111	109
MRL 240-65363/26		108	105	112	107
MRL 240-66323/3		107	114	117	113
MRL 240-66323/31		108	118	112	109

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate Recovery Report

8330B Nitroaromatics and Nitramines (HPLC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DNT1 %Rec
240-17477-6	079SS-0004M-0001-SO	92
240-17477-7	079SS-0005M-0001-SO	94
MB 320-6245/1-A		94
LCS 320-6245/2-A		96
240-17477-6 MS	079SS-0004M-0001-SO MS	92
240-17477-6 MSD	079SS-0004M-0001-SO MSD	93

Surrogate	Acceptance Limits
DNT = 3,4-Dinitrotoluene	78-118

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-64831

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 240-64831/6	Analysis Batch:	240-64831	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX0866.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/13/2012 1255	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/13/2012 1255				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1-Trichloroethane	0.25	U	0.22	1.0
1,1,2,2-Tetrachloroethane	0.25	U	0.18	1.0
1,1,2-Trichloroethane	0.50	U	0.27	1.0
1,1-Dichloroethane	0.25	U	0.15	1.0
1,1-Dichloroethene	0.25	U	0.19	1.0
1,2-Dichloroethane	0.25	U	0.22	1.0
1,2-Dichloroethene, Total	0.50	U	0.34	2.0
1,2-Dichloropropane	0.25	U	0.18	1.0
2-Butanone (MEK)	0.57	U	0.57	10
2-Hexanone	0.50	U	0.41	10
4-Methyl-2-pentanone (MIBK)	0.50	U	0.32	10
Acetone	1.1	U	1.1	10
Benzene	0.25	U	0.13	1.0
Bromoform	0.64	U	0.64	1.0
Bromomethane	0.50	U	0.41	1.0
Carbon disulfide	0.25	U	0.13	1.0
Carbon tetrachloride	0.25	U	0.13	1.0
Chlorobenzene	0.25	U	0.15	1.0
Bromodichloromethane	0.25	U	0.15	1.0
Chloromethane	0.50	U	0.30	1.0
cis-1,3-Dichloropropene	0.25	U	0.14	1.0
Dibromochloromethane	0.25	U	0.18	1.0
Ethylbenzene	0.25	U	0.17	1.0
Methyl tert-butyl ether	0.25	U	0.17	1.0
Methylene Chloride	1.37		0.33	1.0
Styrene	0.25	U	0.11	1.0
Tetrachloroethene	0.50	U	0.29	1.0
Toluene	0.25	U	0.13	1.0
Chloroform	0.25	U	0.16	1.0
Bromochloromethane	0.50	U	0.29	1.0
trans-1,3-Dichloropropene	0.25	U	0.19	1.0
1,2-Dibromoethane	0.25	U	0.24	1.0
Trichloroethene	0.25	U	0.17	1.0
Vinyl chloride	0.25	U	0.22	1.0
Xylenes, Total	0.75	U	0.28	2.0
Chloroethane	0.50	U	0.29	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	70 - 120
Toluene-d8 (Surr)	101	85 - 120
4-Bromofluorobenzene (Surr)	94	75 - 120
Dibromofluoromethane (Surr)	101	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-64831

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 240-64831/4	Analysis Batch:	240-64831	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX0864.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/13/2012 1210	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/13/2012 1210				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	10.7	107	65 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.64	96	65 - 130	
1,1,2-Trichloroethane	10.0	10.4	104	75 - 125	
1,1-Dichloroethane	10.0	10.8	108	70 - 135	
1,1-Dichloroethene	10.0	10.9	109	70 - 130	
1,2-Dichloroethane	10.0	10.4	104	70 - 130	
1,2-Dichloropropane	10.0	10.4	104	75 - 125	
2-Butanone (MEK)	20.0	19.0	95	30 - 150	
2-Hexanone	20.0	20.0	100	55 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	20.1	100	60 - 135	
Acetone	20.0	21.4	107	40 - 140	
Benzene	10.0	10.4	104	80 - 120	
Bromoform	10.0	9.95	100	70 - 130	
Bromomethane	10.0	10.1	101	30 - 145	
Carbon disulfide	10.0	11.0	110	35 - 160	
Carbon tetrachloride	10.0	10.4	104	65 - 140	
Chlorobenzene	10.0	10.1	101	80 - 120	
Bromodichloromethane	10.0	10.5	105	75 - 120	
Chloromethane	10.0	9.74	97	40 - 125	
cis-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
Dibromochloromethane	10.0	10.1	101	60 - 135	
Ethylbenzene	10.0	10.4	104	75 - 125	
Methyl tert-butyl ether	10.0	10.4	104	65 - 125	
Methylene Chloride	10.0	11.4	114	55 - 140	
Styrene	10.0	10.7	107	65 - 135	
Tetrachloroethene	10.0	9.91	99	45 - 150	
Toluene	10.0	10.4	104	75 - 120	
Chloroform	10.0	10.1	101	65 - 135	
Bromochloromethane	10.0	10.2	102	65 - 130	
trans-1,3-Dichloropropene	10.0	10.3	103	55 - 140	
Trichloroethene	10.0	10.4	104	70 - 125	
Vinyl chloride	10.0	10.0	100	50 - 145	
Xylenes, Total	30.0	31.6	105	75 - 130	
Chloroethane	10.0	10.5	105	60 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	70 - 120
Toluene-d8 (Surr)	104	85 - 120
4-Bromofluorobenzene (Surr)	106	75 - 120
Dibromofluoromethane (Surr)	102	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-64831

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MRL 240-64831/5	Analysis Batch:	240-64831	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX0865.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/13/2012 1233	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	11/13/2012 1233				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00100	0.00112	112	70 - 130	
1,1,2,2-Tetrachloroethane	0.00100	0.00115	115	70 - 130	
1,1,2-Trichloroethane	0.00100	0.00107	107	70 - 130	
1,1-Dichloroethane	0.00100	0.00109	109	70 - 130	
1,1-Dichloroethene	0.00100	0.00102	102	70 - 130	
1,2-Dichloroethane	0.00100	0.00113	113	70 - 130	
1,2-Dichloropropane	0.00100	0.00102	102	70 - 130	
2-Butanone (MEK)	0.0100	0.00880	88	70 - 130	J
2-Hexanone	0.0100	0.00941	94	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00913	91	70 - 130	J
Acetone	0.0100	0.00924	92	70 - 130	J
Benzene	0.00100	0.00113	113	70 - 130	
Bromoform	0.00100	0.000918	92	70 - 130	J
Bromomethane	0.00100	0.00135	135	70 - 130	^
Carbon disulfide	0.00100	0.00101	101	70 - 130	
Carbon tetrachloride	0.00100	0.00106	106	70 - 130	
Chlorobenzene	0.00100	0.00111	111	70 - 130	
Bromodichloromethane	0.00100	0.00103	103	70 - 130	
Chloromethane	0.00100	0.00135	135	70 - 130	^
cis-1,3-Dichloropropene	0.00100	0.000883	88	70 - 130	J
Dibromochloromethane	0.00100	0.000963	96	70 - 130	J
Ethylbenzene	0.00100	0.00104	104	70 - 130	
Methyl tert-butyl ether	0.00100	0.00106	106	70 - 130	
Methylene Chloride	0.00100	0.00251	251	70 - 130	^
Styrene	0.00100	0.000944	94	70 - 130	J
Tetrachloroethene	0.00100	0.00105	105	70 - 130	
Toluene	0.00100	0.00110	110	70 - 130	
Chloroform	0.00100	0.00108	108	70 - 130	
Bromochloromethane	0.00100	0.00103	103	70 - 130	
trans-1,3-Dichloropropene	0.00100	0.000895	89	70 - 130	J
Trichloroethene	0.00100	0.00105	105	70 - 130	
Vinyl chloride	0.00100	0.00123	123	70 - 130	
Xylenes, Total	0.00300	0.00292	97	70 - 130	
Chloroethane	0.00100	0.00143	143	70 - 130	^

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	50 - 150
Toluene-d8 (Surr)	104	50 - 150
4-Bromofluorobenzene (Surr)	99	50 - 150
Dibromofluoromethane (Surr)	100	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-64831 **Method: 8260B/DoD**
Preparation: 5030B

Lab Sample ID:	MRL 240-64831/12	Analysis Batch:	240-64831	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX0872.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/13/2012 1527	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	11/13/2012 1527				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00100	0.00104	104	70 - 130	
1,1,2,2-Tetrachloroethane	0.00100	0.00103	103	70 - 130	
1,1,2-Trichloroethane	0.00100	0.00110	110	70 - 130	
1,1-Dichloroethane	0.00100	0.00105	105	70 - 130	
1,1-Dichloroethene	0.00100	0.00106	106	70 - 130	
1,2-Dichloroethane	0.00100	0.00105	105	70 - 130	
1,2-Dichloropropane	0.00100	0.00100	100	70 - 130	
2-Butanone (MEK)	0.0100	0.00916	92	70 - 130	J
2-Hexanone	0.0100	0.00917	92	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00922	92	70 - 130	J
Acetone	0.0100	0.00985	99	70 - 130	J
Benzene	0.00100	0.00104	104	70 - 130	
Bromoform	0.00100	0.000769	77	70 - 130	J
Bromomethane	0.00100	0.00115	115	70 - 130	
Carbon disulfide	0.00100	0.000973	97	70 - 130	J
Carbon tetrachloride	0.00100	0.00103	103	70 - 130	
Chlorobenzene	0.00100	0.000988	99	70 - 130	J
Bromodichloromethane	0.00100	0.000934	93	70 - 130	J
Chloromethane	0.00100	0.00124	124	70 - 130	
cis-1,3-Dichloropropene	0.00100	0.000883	88	70 - 130	J
Dibromochloromethane	0.00100	0.000853	85	70 - 130	J
Ethylbenzene	0.00100	0.000902	90	70 - 130	J
Methyl tert-butyl ether	0.00100	0.000996	100	70 - 130	J
Methylene Chloride	0.00100	0.00273	273	70 - 130	^
Styrene	0.00100	0.000771	77	70 - 130	J
Tetrachloroethene	0.00100	0.00103	103	70 - 130	
Toluene	0.00100	0.00108	108	70 - 130	
Chloroform	0.00100	0.00107	107	70 - 130	
Bromochloromethane	0.00100	0.00109	109	70 - 130	
trans-1,3-Dichloropropene	0.00100	0.000855	85	70 - 130	J
Trichloroethene	0.00100	0.00102	102	70 - 130	
Vinyl chloride	0.00100	0.00116	116	70 - 130	
Xylenes, Total	0.00300	0.00260	87	70 - 130	
Chloroethane	0.00100	0.00116	116	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	50 - 150
Toluene-d8 (Surr)	109	50 - 150
4-Bromofluorobenzene (Surr)	97	50 - 150
Dibromofluoromethane (Surr)	104	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-64955

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-17477-6	Analysis Batch:	240-65171	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-64955	Lab File ID:	149193.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.266 g
Analysis Date:	11/15/2012 1931			Final Weight/Volume:	5 mL
Prep Date:	11/09/2012 2015				
Leach Date:	N/A				

MSD Lab Sample ID:	240-17477-6	Analysis Batch:	240-65171	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-64955	Lab File ID:	149194.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	3.943 g
Analysis Date:	11/15/2012 1953			Final Weight/Volume:	5 mL
Prep Date:	11/09/2012 2015				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	103	704	70 - 135	152	30		J
1,1,2,2-Tetrachloroethane	128	278	55 - 130	80	30		J
1,1,2-Trichloroethane	103	313	60 - 125	107	30		J
1,1-Dichloroethane	102	589	75 - 125	145	30		J
1,1-Dichloroethene	98	768	65 - 135	158	30		J
1,2-Dichloroethane	92	311	70 - 135	114	30		J
1,2-Dichloropropane	93	423	70 - 120	132	30		J
2-Butanone (MEK)	70	193	30 - 160	99	30		J
2-Hexanone	73	181	45 - 145	92	30		J
4-Methyl-2-pentanone (MIBK)	102	179	45 - 145	62	30		J
Acetone	81	218	20 - 160	97	30		J
Benzene	92	501	75 - 125	142	30		J
Bromochloromethane	93	288	70 - 125	108	30		J
Bromodichloromethane	73	212	70 - 130	104	30		J
Bromoform	64	121	55 - 135	68	30		J
Bromomethane	71	1040	30 - 160	176	30		J
Carbon disulfide	63	481	45 - 160	156	30		J
Carbon tetrachloride	89	548	65 - 135	148	30		J
Chlorobenzene	76	300	75 - 125	124	30		J
Chloroethane	92	839	40 - 155	163	30		J
Chloroform	93	455	70 - 125	136	30		J
Chloromethane	100	785	50 - 130	158	30		J
cis-1,3-Dichloropropene	61	185	70 - 125	106	30	J	J
Dibromochloromethane	78	180	65 - 130	86	30		J
Ethylbenzene	83	344	75 - 125	127	30		J
Methyl tert-butyl ether	96	225	70 - 130	87	30		J
Methylene Chloride	96	475	55 - 140	137	30		J
Styrene	65	188	75 - 125	103	30	J	J
Tetrachloroethene	86	550	65 - 140	149	30		J
Toluene	93	470	70 - 125	138	30		J
trans-1,3-Dichloropropene	68	183	65 - 125	98	30		J
Trichloroethene	85	488	75 - 125	144	30		J
Vinyl chloride	95	867	60 - 125	163	30		J

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-64955

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-17477-6	Analysis Batch:	240-65171	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-64955	Lab File ID:	149193.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.266 g
Analysis Date:	11/15/2012 1931			Final Weight/Volume:	5 mL
Prep Date:	11/09/2012 2015				
Leach Date:	N/A				

MSD Lab Sample ID:	240-17477-6	Analysis Batch:	240-65171	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	240-64955	Lab File ID:	149194.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	3.943 g
Analysis Date:	11/15/2012 1953			Final Weight/Volume:	5 mL
Prep Date:	11/09/2012 2015				
Leach Date:	N/A				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Xylenes, Total	80	302	75 - 125	122	30		J

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		83	61 - 130
4-Bromofluorobenzene (Surr)	126	Q	96	85 - 120
Dibromofluoromethane (Surr)	93		78	59 - 138
Toluene-d8 (Surr)	108		86	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-64955

Method: 8260B/DoD
Preparation: 5035

MS Lab Sample ID:	240-17477-6	Units:	ug/Kg	MSD Lab Sample ID:	240-17477-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/15/2012 1931			Analysis Date:	11/15/2012 1953
Prep Date:	11/09/2012 2015			Prep Date:	11/09/2012 2015
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1-Trichloroethane	1.7	U	80.8	87.4	83.1		616	J
1,1,2,2-Tetrachloroethane	0.85	U	80.8	87.4	104		243	J
1,1,2-Trichloroethane	0.85	U	80.8	87.4	83.0		274	J
1,1-Dichloroethane	0.85	U	80.8	87.4	82.2		515	J
1,1-Dichloroethene	1.7	U	80.8	87.4	79.5		671	J
1,2-Dichloroethane	0.85	U	80.8	87.4	74.4		272	J
1,2-Dichloropropane	1.7	U	80.8	87.4	75.5		370	J
2-Butanone (MEK)	3.4	U	162	175	114		337	J
2-Hexanone	1.7	U	162	175	117		317	J
4-Methyl-2-pentanone (MIBK)	1.7	U	162	175	164		313	J
Acetone	11	U	162	175	131		381	J
Benzene	0.85	U	80.8	87.4	74.0		438	J
Bromochloromethane	1.7	U	80.8	87.4	75.0		251	J
Bromodichloromethane	0.85	U	80.8	87.4	58.6		185	J
Bromoform	0.85	U	80.8	87.4	51.9		106	J
Bromomethane	1.7	U	80.8	87.4	57.5		909	J
Carbon disulfide	1.5	J	80.8	87.4	52.7		422	J
Carbon tetrachloride	0.85	U	80.8	87.4	71.6		479	J
Chlorobenzene	0.85	U	80.8	87.4	61.2		262	J
Chloroethane	1.7	U	80.8	87.4	74.1		733	J
Chloroform	0.85	U	80.8	87.4	75.5		398	J
Chloromethane	0.85	U	80.8	87.4	81.1		687	J
cis-1,3-Dichloropropene	0.85	U	80.8	87.4	49.5	J	161	J
Dibromochloromethane	1.7	U	80.8	87.4	62.8		158	J
Ethylbenzene	0.85	U	80.8	87.4	66.7		301	J
Methyl tert-butyl ether	0.85	U	80.8	87.4	77.5		197	J
Methylene Chloride	1.7	U	80.8	87.4	77.4		415	J
Styrene	0.85	U	80.8	87.4	52.8	J	164	J
Tetrachloroethene	1.7	U	80.8	87.4	69.7		481	J
Toluene	0.85	U	80.8	87.4	75.4		411	J
trans-1,3-Dichloropropene	1.7	U	80.8	87.4	55.0		160	J
Trichloroethene	0.85	U	80.8	87.4	69.0		426	J
Vinyl chloride	0.85	U	80.8	87.4	76.8		758	J
Xylenes, Total	2.5	U	242	262	193		791	J

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-65171

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MB 240-65171/8	Analysis Batch:	240-65171	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149176.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/15/2012 1325	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1-Trichloroethane	1.0	U	0.56	5.0
1,1,2,2-Tetrachloroethane	0.50	U	0.34	5.0
1,1,2-Trichloroethane	0.50	U	0.39	5.0
1,1-Dichloroethane	0.50	U	0.36	5.0
1,1-Dichloroethene	1.0	U	0.52	5.0
1,2-Dichloroethane	0.50	U	0.34	5.0
1,2-Dichloroethene, Total	1.0	U	0.77	10
1,2-Dichloropropane	1.0	U	0.69	5.0
2-Butanone (MEK)	2.0	U	1.4	20
2-Hexanone	1.0	U	0.63	20
4-Methyl-2-pentanone (MIBK)	0.598	J	0.54	20
Acetone	6.41	J	6.3	20
Benzene	0.50	U	0.23	5.0
Bromoform	0.50	U	0.33	5.0
Bromomethane	1.0	U	0.54	5.0
Carbon disulfide	0.50	U	0.44	5.0
Carbon tetrachloride	0.50	U	0.37	5.0
Chlorobenzene	0.50	U	0.33	5.0
Bromodichloromethane	0.50	U	0.28	5.0
Chloromethane	0.50	U	0.41	5.0
cis-1,3-Dichloropropene	0.50	U	0.34	5.0
Dibromochloromethane	1.0	U	0.55	5.0
Ethylbenzene	0.50	U	0.26	5.0
Methyl tert-butyl ether	0.50	U	0.43	5.0
Methylene Chloride	1.0	U	0.67	5.0
Styrene	0.151	J	0.15	5.0
Tetrachloroethene	1.0	U	0.52	5.0
Toluene	0.50	U	0.27	5.0
Chloroform	0.50	U	0.29	5.0
Bromochloromethane	1.0	U	0.71	5.0
trans-1,3-Dichloropropene	1.0	U	0.54	5.0
1,2-Dibromoethane	1.0	U	0.50	5.0
Trichloroethene	0.50	U	0.42	5.0
Vinyl chloride	0.50	U	0.39	5.0
Xylenes, Total	1.5	U	0.67	10
Chloroethane	1.0	U	0.86	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	61 - 130
Toluene-d8 (Surr)	93	85 - 115
4-Bromofluorobenzene (Surr)	97	85 - 120
Dibromofluoromethane (Surr)	83	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-65171

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-65171/5	Analysis Batch:	240-65171	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149173.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/15/2012 1220	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00500	0.00465	93	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00464	93	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00489	98	70 - 130	
1,1-Dichloroethane	0.00500	0.00470	94	70 - 130	
1,1-Dichloroethene	0.00500	0.00478	96	70 - 130	
1,2-Dichloroethane	0.00500	0.00505	101	70 - 130	
1,2-Dichloropropane	0.00500	0.00485	97	70 - 130	
2-Butanone (MEK)	0.0100	0.0102	102	70 - 130	
2-Hexanone	0.0100	0.00914	91	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00948	95	70 - 130	J
Acetone	0.0100	0.0175	175	70 - 130	^
Benzene	0.00500	0.00490	98	70 - 130	
Bromoform	0.00500	0.00607	121	70 - 130	
Bromomethane	0.00500	0.00580	116	70 - 130	
Carbon disulfide	0.00500	0.00358	72	70 - 130	
Carbon tetrachloride	0.00500	0.00456	91	70 - 130	
Chlorobenzene	0.00500	0.00498	100	70 - 130	
Bromodichloromethane	0.00500	0.00411	82	70 - 130	
Chloromethane	0.00500	0.00583	117	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00504	101	70 - 130	
Dibromochloromethane	0.00500	0.00454	91	70 - 130	
Ethylbenzene	0.00500	0.00470	94	70 - 130	
Methyl tert-butyl ether	0.00500	0.00465	93	70 - 130	
Methylene Chloride	0.00500	0.00565	113	70 - 130	
Styrene	0.00500	0.00411	82	70 - 130	
Tetrachloroethene	0.00500	0.00523	105	70 - 130	
Toluene	0.00500	0.00494	99	70 - 130	
Chloroform	0.00500	0.00474	95	70 - 130	
Bromochloromethane	0.00500	0.00475	95	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00416	83	70 - 130	
Trichloroethene	0.00500	0.00490	98	70 - 130	
Vinyl chloride	0.00500	0.00555	111	70 - 130	
Xylenes, Total	0.0150	0.0139	92	70 - 130	
Chloroethane	0.00500	0.00562	112	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	50 - 150
Toluene-d8 (Surr)	97	50 - 150
4-Bromofluorobenzene (Surr)	95	50 - 150
Dibromofluoromethane (Surr)	89	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-65171

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	LCS 240-65171/7	Analysis Batch:	240-65171	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149175.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/15/2012 1303	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	50.0	52.5	105	70 - 135	
1,1,2,2-Tetrachloroethane	50.0	52.8	106	55 - 130	
1,1,2-Trichloroethane	50.0	53.1	106	60 - 125	
1,1-Dichloroethane	50.0	51.0	102	75 - 125	
1,1-Dichloroethene	50.0	49.9	100	65 - 135	
1,2-Dichloroethane	50.0	50.2	100	70 - 135	
1,2-Dichloropropane	50.0	52.2	104	70 - 120	
2-Butanone (MEK)	100	107	107	30 - 160	
2-Hexanone	100	110	110	45 - 145	
4-Methyl-2-pentanone (MIBK)	100	111	111	45 - 145	
Acetone	100	116	116	20 - 160	
Benzene	50.0	49.4	99	75 - 125	
Bromoform	50.0	44.8	90	55 - 135	
Bromomethane	50.0	43.0	86	30 - 160	
Carbon disulfide	50.0	38.9	78	45 - 160	
Carbon tetrachloride	50.0	49.1	98	65 - 135	
Chlorobenzene	50.0	48.4	97	75 - 125	
Bromodichloromethane	50.0	44.0	88	70 - 130	
Chloromethane	50.0	48.2	96	50 - 130	
cis-1,3-Dichloropropene	50.0	46.1	92	70 - 125	
Dibromochloromethane	50.0	48.1	96	65 - 130	
Ethylbenzene	50.0	49.5	99	75 - 125	
Methyl tert-butyl ether	50.0	48.4	97	70 - 130	
Methylene Chloride	50.0	49.0	98	55 - 140	
Styrene	50.0	52.1	104	75 - 125	
Tetrachloroethene	50.0	50.1	100	65 - 140	
Toluene	50.0	49.1	98	70 - 125	
Chloroform	50.0	48.8	98	70 - 125	
Bromochloromethane	50.0	49.6	99	70 - 125	
trans-1,3-Dichloropropene	50.0	45.0	90	65 - 125	
Trichloroethene	50.0	50.5	101	75 - 125	
Vinyl chloride	50.0	47.1	94	60 - 125	
Xylenes, Total	150	149	99	75 - 125	
Chloroethane	50.0	44.2	88	40 - 155	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	61 - 130
Toluene-d8 (Surr)	97	85 - 115
4-Bromofluorobenzene (Surr)	102	85 - 120
Dibromofluoromethane (Surr)	93	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-65171 **Method: 8260B/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-65171/29	Analysis Batch:	240-65171	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149197.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/15/2012 2117	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00500	0.00437	87	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00525	105	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00567	113	70 - 130	
1,1-Dichloroethane	0.00500	0.00476	95	70 - 130	
1,1-Dichloroethene	0.00500	0.00467	93	70 - 130	
1,2-Dichloroethane	0.00500	0.00522	104	70 - 130	
1,2-Dichloropropane	0.00500	0.00508	102	70 - 130	
2-Butanone (MEK)	0.0100	0.0119	119	70 - 130	
2-Hexanone	0.0100	0.0109	109	70 - 130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.0102	102	70 - 130	
Acetone	0.0100	0.0201	201	70 - 130	^
Benzene	0.00500	0.00504	101	70 - 130	
Bromoform	0.00500	0.00648	130	70 - 130	
Bromomethane	0.00500	0.00491	98	70 - 130	
Carbon disulfide	0.00500	0.00353	71	70 - 130	
Carbon tetrachloride	0.00500	0.00444	89	70 - 130	
Chlorobenzene	0.00500	0.00495	99	70 - 130	
Bromodichloromethane	0.00500	0.00433	87	70 - 130	
Chloromethane	0.00500	0.00516	103	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00542	108	70 - 130	
Dibromochloromethane	0.00500	0.00492	98	70 - 130	
Ethylbenzene	0.00500	0.00487	97	70 - 130	
Methyl tert-butyl ether	0.00500	0.00451	90	70 - 130	
Methylene Chloride	0.00500	0.00528	106	70 - 130	
Styrene	0.00500	0.00453	91	70 - 130	
Tetrachloroethene	0.00500	0.00537	107	70 - 130	
Toluene	0.00500	0.00512	102	70 - 130	
Chloroform	0.00500	0.00471	94	70 - 130	
Bromochloromethane	0.00500	0.00472	94	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00425	85	70 - 130	
Trichloroethene	0.00500	0.00521	104	70 - 130	
Vinyl chloride	0.00500	0.00518	104	70 - 130	
Xylenes, Total	0.0150	0.0148	99	70 - 130	
Chloroethane	0.00500	0.00482	96	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	50 - 150
Toluene-d8 (Surr)	96	50 - 150
4-Bromofluorobenzene (Surr)	101	50 - 150
Dibromofluoromethane (Surr)	87	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-65336

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MB 240-65336/8	Analysis Batch:	240-65336	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149209.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/16/2012 1441	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1-Trichloroethane	1.0	U	0.56	5.0
1,1,2,2-Tetrachloroethane	0.50	U	0.34	5.0
1,1,2-Trichloroethane	0.50	U	0.39	5.0
1,1-Dichloroethane	0.50	U	0.36	5.0
1,1-Dichloroethene	1.0	U	0.52	5.0
1,2-Dichloroethane	0.50	U	0.34	5.0
1,2-Dichloroethene, Total	1.0	U	0.77	10
1,2-Dichloropropane	1.0	U	0.69	5.0
2-Butanone (MEK)	2.0	U	1.4	20
2-Hexanone	0.776	J	0.63	20
4-Methyl-2-pentanone (MIBK)	1.0	U	0.54	20
Acetone	12.8	J	6.3	20
Benzene	0.50	U	0.23	5.0
Bromoform	0.50	U	0.33	5.0
Bromomethane	1.0	U	0.54	5.0
Carbon disulfide	0.50	U	0.44	5.0
Carbon tetrachloride	0.50	U	0.37	5.0
Chlorobenzene	0.50	U	0.33	5.0
Bromodichloromethane	0.50	U	0.28	5.0
Chloromethane	0.50	U	0.41	5.0
cis-1,3-Dichloropropene	0.50	U	0.34	5.0
Dibromochloromethane	1.0	U	0.55	5.0
Ethylbenzene	0.50	U	0.26	5.0
Methyl tert-butyl ether	0.50	U	0.43	5.0
Methylene Chloride	2.64	J	0.67	5.0
Styrene	0.171	J	0.15	5.0
Tetrachloroethene	1.0	U	0.52	5.0
Toluene	0.50	U	0.27	5.0
Chloroform	0.50	U	0.29	5.0
Bromochloromethane	1.0	U	0.71	5.0
trans-1,3-Dichloropropene	1.0	U	0.54	5.0
1,2-Dibromoethane	1.0	U	0.50	5.0
Trichloroethene	0.50	U	0.42	5.0
Vinyl chloride	0.50	U	0.39	5.0
Xylenes, Total	1.5	U	0.67	10
Chloroethane	1.0	U	0.86	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	61 - 130
Toluene-d8 (Surr)	95	85 - 115
4-Bromofluorobenzene (Surr)	97	85 - 120
Dibromofluoromethane (Surr)	83	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-65336

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-65336/5	Analysis Batch:	240-65336	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149206.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/16/2012 1337	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00500	0.00391	78	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00410	82	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00477	95	70 - 130	
1,1-Dichloroethane	0.00500	0.00413	83	70 - 130	
1,1-Dichloroethene	0.00500	0.00402	80	70 - 130	
1,2-Dichloroethane	0.00500	0.00436	87	70 - 130	
1,2-Dichloropropane	0.00500	0.00422	84	70 - 130	
2-Butanone (MEK)	0.0100	0.00944	94	70 - 130	J
2-Hexanone	0.0100	0.00844	84	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00902	90	70 - 130	J
Acetone	0.0100	0.0231	231	70 - 130	^
Benzene	0.00500	0.00434	87	70 - 130	
Bromoform	0.00500	0.00610	122	70 - 130	
Bromomethane	0.00500	0.00509	102	70 - 130	
Carbon disulfide	0.00500	0.00318	64	70 - 130	^
Carbon tetrachloride	0.00500	0.00384	77	70 - 130	
Chlorobenzene	0.00500	0.00431	86	70 - 130	
Bromodichloromethane	0.00500	0.00374	75	70 - 130	
Chloromethane	0.00500	0.00528	106	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00485	97	70 - 130	
Dibromochloromethane	0.00500	0.00440	88	70 - 130	
Ethylbenzene	0.00500	0.00420	84	70 - 130	
Methyl tert-butyl ether	0.00500	0.00395	79	70 - 130	
Methylene Chloride	0.00500	0.00912	182	70 - 130	^
Styrene	0.00500	0.00379	76	70 - 130	
Tetrachloroethene	0.00500	0.00458	92	70 - 130	
Toluene	0.00500	0.00454	91	70 - 130	
Chloroform	0.00500	0.00417	83	70 - 130	
Bromochloromethane	0.00500	0.00409	82	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00373	75	70 - 130	
Trichloroethene	0.00500	0.00429	86	70 - 130	
Vinyl chloride	0.00500	0.00515	103	70 - 130	
Xylenes, Total	0.0150	0.0126	84	70 - 130	
Chloroethane	0.00500	0.00511	102	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	50 - 150
Toluene-d8 (Surr)	98	50 - 150
4-Bromofluorobenzene (Surr)	95	50 - 150
Dibromofluoromethane (Surr)	89	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-65336

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	LCS 240-65336/7	Analysis Batch:	240-65336	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149208.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/16/2012 1420	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	50.0	52.3	105	70 - 135	
1,1,2,2-Tetrachloroethane	50.0	57.6	115	55 - 130	
1,1,2-Trichloroethane	50.0	57.9	116	60 - 125	
1,1-Dichloroethane	50.0	52.6	105	75 - 125	
1,1-Dichloroethene	50.0	50.4	101	65 - 135	
1,2-Dichloroethane	50.0	53.5	107	70 - 135	
1,2-Dichloropropane	50.0	54.2	108	70 - 120	
2-Butanone (MEK)	100	114	114	30 - 160	
2-Hexanone	100	117	117	45 - 145	
4-Methyl-2-pentanone (MIBK)	100	123	123	45 - 145	
Acetone	100	125	125	20 - 160	
Benzene	50.0	52.3	105	75 - 125	
Bromoform	50.0	48.9	98	55 - 135	
Bromomethane	50.0	44.7	89	30 - 160	
Carbon disulfide	50.0	39.2	78	45 - 160	
Carbon tetrachloride	50.0	49.6	99	65 - 135	
Chlorobenzene	50.0	51.4	103	75 - 125	
Bromodichloromethane	50.0	48.2	96	70 - 130	
Chloromethane	50.0	51.6	103	50 - 130	
cis-1,3-Dichloropropene	50.0	50.6	101	70 - 125	
Dibromochloromethane	50.0	53.0	106	65 - 130	
Ethylbenzene	50.0	51.9	104	75 - 125	
Methyl tert-butyl ether	50.0	49.4	99	70 - 130	
Methylene Chloride	50.0	53.9	108	55 - 140	
Styrene	50.0	53.9	108	75 - 125	
Tetrachloroethene	50.0	53.7	107	65 - 140	
Toluene	50.0	53.4	107	70 - 125	
Chloroform	50.0	50.3	101	70 - 125	
Bromochloromethane	50.0	50.7	101	70 - 125	
trans-1,3-Dichloropropene	50.0	49.7	99	65 - 125	
Trichloroethene	50.0	54.1	108	75 - 125	
Vinyl chloride	50.0	49.5	99	60 - 125	
Xylenes, Total	150	156	104	75 - 125	
Chloroethane	50.0	44.5	89	40 - 155	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	61 - 130
Toluene-d8 (Surr)	102	85 - 115
4-Bromofluorobenzene (Surr)	107	85 - 120
Dibromofluoromethane (Surr)	96	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-65336 **Method: 8260B/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-65336/24	Analysis Batch:	240-65336	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149225.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/16/2012 2026	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00500	0.00444	89	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00499	100	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00567	113	70 - 130	
1,1-Dichloroethane	0.00500	0.00476	95	70 - 130	
1,1-Dichloroethene	0.00500	0.00457	91	70 - 130	
1,2-Dichloroethane	0.00500	0.00524	105	70 - 130	
1,2-Dichloropropane	0.00500	0.00493	99	70 - 130	
2-Butanone (MEK)	0.0100	0.00927	93	70 - 130	J
2-Hexanone	0.0100	0.00959	96	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00929	93	70 - 130	J
Acetone	0.0100	0.0236	236	70 - 130	^
Benzene	0.00500	0.00504	101	70 - 130	
Bromoform	0.00500	0.00625	125	70 - 130	
Bromomethane	0.00500	0.00449	90	70 - 130	
Carbon disulfide	0.00500	0.00342	68	70 - 130	^
Carbon tetrachloride	0.00500	0.00421	84	70 - 130	
Chlorobenzene	0.00500	0.00500	100	70 - 130	
Bromodichloromethane	0.00500	0.00431	86	70 - 130	
Chloromethane	0.00500	0.00502	100	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00541	108	70 - 130	
Dibromochloromethane	0.00500	0.00476	95	70 - 130	
Ethylbenzene	0.00500	0.00494	99	70 - 130	
Methyl tert-butyl ether	0.00500	0.00454	91	70 - 130	
Methylene Chloride	0.00500	0.00477	95	70 - 130	
Styrene	0.00500	0.00448	90	70 - 130	
Tetrachloroethene	0.00500	0.00506	101	70 - 130	
Toluene	0.00500	0.00520	104	70 - 130	
Chloroform	0.00500	0.00467	93	70 - 130	
Bromochloromethane	0.00500	0.00469	94	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00413	83	70 - 130	
Trichloroethene	0.00500	0.00530	106	70 - 130	
Vinyl chloride	0.00500	0.00480	96	70 - 130	
Xylenes, Total	0.0150	0.0144	96	70 - 130	
Chloroethane	0.00500	0.00454	91	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	50 - 150
Toluene-d8 (Surr)	96	50 - 150
4-Bromofluorobenzene (Surr)	95	50 - 150
Dibromofluoromethane (Surr)	86	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-64920

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	MB 240-64920/23-A	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-64920	Lab File ID:	21116004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/16/2012 1021	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Acenaphthene	0.10	U	0.10	0.20
Acenaphthylene	0.10	U	0.10	0.20
Anthracene	0.10	U	0.10	0.20
Benzo[a]anthracene	0.10	U	0.10	0.20
Benzo[a]pyrene	0.10	U	0.10	0.20
Benzo[b]fluoranthene	0.10	U	0.10	0.20
Benzo[g,h,i]perylene	0.10	U	0.10	0.20
Benzoic acid	10	U	10	25
Benzo[k]fluoranthene	0.10	U	0.10	0.20
Benzyl alcohol	0.80	U	0.38	5.0
Bis(2-chloroethoxy)methane	0.80	U	0.32	1.0
Bis(2-chloroethyl)ether	0.10	U	0.10	1.0
bis (2-chloroisopropyl) ether	0.80	U	0.40	1.0
Bis(2-ethylhexyl) phthalate	0.80	U	0.80	2.0
4-Bromophenyl phenyl ether	0.80	U	0.80	2.0
Butyl benzyl phthalate	0.80	U	0.80	1.0
Carbazole	0.80	U	0.28	1.0
4-Chloroaniline	0.80	U	0.80	2.0
4-Chloro-3-methylphenol	0.80	U	0.80	2.0
2-Chloronaphthalene	0.10	U	0.10	1.0
2-Chlorophenol	0.80	U	0.29	1.0
4-Chlorophenyl phenyl ether	0.80	U	0.30	2.0
Chrysene	0.10	U	0.10	0.20
Dibenz(a,h)anthracene	0.10	U	0.10	0.20
Dibenzofuran	0.10	U	0.10	1.0
1,4-Dichlorobenzene	0.80	U	0.34	1.0
1,2-Dichlorobenzene	0.80	U	0.29	1.0
1,3-Dichlorobenzene	0.80	U	0.80	1.0
3,3'-Dichlorobenzidine	0.80	U	0.37	5.0
2,4-Dichlorophenol	0.80	U	0.80	2.0
Diethyl phthalate	0.80	U	0.60	1.0
2,4-Dimethylphenol	0.80	U	0.80	2.0
Dimethyl phthalate	0.80	U	0.29	1.0
Di-n-butyl phthalate	0.80	U	0.67	1.0
4,6-Dinitro-2-methylphenol	2.4	U	2.4	5.0
2,4-Dinitrophenol	2.4	U	2.4	5.0
2,4-Dinitrotoluene	0.80	U	0.27	5.0
2,6-Dinitrotoluene	0.80	U	0.80	5.0
Di-n-octyl phthalate	0.80	U	0.80	1.0
Fluoranthene	0.10	U	0.10	0.20
Fluorene	0.10	U	0.10	0.20
Hexachlorobenzene	0.10	U	0.10	0.20
Hexachlorobutadiene	0.80	U	0.27	1.0
Hexachlorocyclopentadiene	0.80	U	0.80	10
Hexachloroethane	0.80	U	0.80	1.0

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-64920

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	MB 240-64920/23-A	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-64920	Lab File ID:	21116004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/16/2012 1021	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Indeno[1,2,3-cd]pyrene	0.10	U	0.10	0.20
Isophorone	0.80	U	0.27	1.0
2-Methylnaphthalene	0.10	U	0.10	0.20
2-Methylphenol	0.80	U	0.80	1.0
3 & 4 Methylphenol	0.80	U	0.80	2.0
Naphthalene	0.10	U	0.10	0.20
2-Nitroaniline	0.80	U	0.80	2.0
3-Nitroaniline	0.80	U	0.28	2.0
4-Nitroaniline	0.80	U	0.80	2.0
Nitrobenzene	0.10	U	0.040	1.0
2-Nitrophenol	0.80	U	0.28	2.0
4-Nitrophenol	2.4	U	2.4	5.0
N-Nitrosodi-n-propylamine	0.80	U	0.80	1.0
N-Nitrosodiphenylamine	0.80	U	0.31	1.0
Pentachlorophenol	2.4	U	2.4	5.0
Phenanthrene	0.10	U	0.10	0.20
Phenol	0.80	U	0.60	1.0
Pyrene	0.10	U	0.10	0.20
1,2,4-Trichlorobenzene	0.80	U	0.28	1.0
2,4,5-Trichlorophenol	0.80	U	0.30	5.0
2,4,6-Trichlorophenol	0.80	U	0.80	5.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	74	50 - 110
2-Fluorophenol (Surr)	79	20 - 110
Nitrobenzene-d5 (Surr)	75	40 - 110
Terphenyl-d14 (Surr)	82	50 - 135
2,4,6-Tribromophenol (Surr)	71	40 - 125
Phenol-d5 (Surr)	82	10 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-64920

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	LCS 240-64920/24-A	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-64920	Lab File ID:	21116005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/16/2012 1040	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	15.8	79	45 - 110	
Acenaphthylene	20.0	15.6	78	50 - 105	
Anthracene	20.0	15.2	76	55 - 110	
Benzo[a]anthracene	20.0	14.1	71	55 - 110	
Benzo[a]pyrene	20.0	12.1	61	55 - 110	
Benzo[b]fluoranthene	20.0	13.2	66	45 - 120	
Benzo[g,h,i]perylene	20.0	14.3	72	40 - 125	
Benzoic acid	20.0	11.2	56	0 - 125	J
Benzo[k]fluoranthene	20.0	14.8	74	45 - 125	
Benzyl alcohol	20.0	16.7	84	30 - 110	
Bis(2-chloroethoxy)methane	20.0	15.7	78	45 - 105	
Bis(2-chloroethyl)ether	20.0	17.0	85	35 - 110	
bis (2-chloroisopropyl) ether	20.0	16.6	83	25 - 130	
Bis(2-ethylhexyl) phthalate	20.0	18.9	95	40 - 125	
4-Bromophenyl phenyl ether	20.0	15.8	79	50 - 115	
Butyl benzyl phthalate	20.0	14.6	73	45 - 115	
Carbazole	20.0	15.5	78	50 - 115	
4-Chloroaniline	20.0	13.0	65	15 - 110	
4-Chloro-3-methylphenol	20.0	16.1	80	45 - 110	
2-Chloronaphthalene	20.0	15.5	77	50 - 105	
2-Chlorophenol	20.0	16.9	84	35 - 105	
4-Chlorophenyl phenyl ether	20.0	15.4	77	50 - 110	
Chrysene	20.0	15.2	76	55 - 110	
Dibenz(a,h)anthracene	20.0	14.8	74	40 - 125	
Dibenzofuran	20.0	15.4	77	55 - 105	
1,4-Dichlorobenzene	20.0	16.2	81	30 - 100	
1,2-Dichlorobenzene	20.0	15.9	80	35 - 100	
1,3-Dichlorobenzene	20.0	15.5	78	30 - 100	
3,3'-Dichlorobenzidine	20.0	8.65	43	20 - 110	
2,4-Dichlorophenol	20.0	16.3	82	50 - 105	
Diethyl phthalate	20.0	15.8	79	40 - 120	
2,4-Dimethylphenol	20.0	11.7	59	30 - 110	
Dimethyl phthalate	20.0	15.8	79	25 - 125	
Di-n-butyl phthalate	20.0	15.6	78	55 - 115	
4,6-Dinitro-2-methylphenol	20.0	15.6	78	40 - 130	
2,4-Dinitrophenol	20.0	12.1	60	15 - 140	
2,4-Dinitrotoluene	20.0	16.5	83	50 - 120	
2,6-Dinitrotoluene	20.0	16.9	84	50 - 115	
Di-n-octyl phthalate	20.0	14.4	72	35 - 135	
Fluoranthene	20.0	15.8	79	55 - 115	
Fluorene	20.0	15.4	77	50 - 110	
Hexachlorobenzene	20.0	14.7	74	50 - 110	
Hexachlorobutadiene	20.0	14.2	71	25 - 105	
Hexachloroethane	20.0	15.3	76	30 - 95	
Indeno[1,2,3-cd]pyrene	20.0	14.5	72	45 - 125	
Isophorone	20.0	16.3	82	50 - 110	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-64920

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	LCS 240-64920/24-A	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-64920	Lab File ID:	21116005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/16/2012 1040	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	20.0	15.8	79	45 - 105	
2-Methylphenol	20.0	16.6	83	40 - 110	
3 & 4 Methylphenol	40.0	33.4	84	30 - 110	
Naphthalene	20.0	15.8	79	40 - 100	
2-Nitroaniline	20.0	16.1	80	50 - 115	
3-Nitroaniline	20.0	14.8	74	20 - 125	
4-Nitroaniline	20.0	16.0	80	35 - 120	
Nitrobenzene	20.0	15.9	79	45 - 110	
2-Nitrophenol	20.0	16.3	81	40 - 115	
4-Nitrophenol	20.0	15.1	76	0 - 125	
N-Nitrosodi-n-propylamine	20.0	16.6	83	35 - 130	
N-Nitrosodiphenylamine	20.0	15.1	76	50 - 110	
Pentachlorophenol	20.0	10.5	52	40 - 115	
Phenanthrene	20.0	15.4	77	50 - 115	
Phenol	20.0	16.8	84	0 - 115	
Pyrene	20.0	14.5	73	50 - 130	
1,2,4-Trichlorobenzene	20.0	14.5	72	35 - 105	
2,4,5-Trichlorophenol	20.0	15.3	76	50 - 110	
2,4,6-Trichlorophenol	20.0	15.7	79	50 - 115	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	74	50 - 110
2-Fluorophenol (Surr)	84	20 - 110
Nitrobenzene-d5 (Surr)	75	40 - 110
Terphenyl-d14 (Surr)	81	50 - 135
2,4,6-Tribromophenol (Surr)	79	40 - 125
Phenol-d5 (Surr)	85	10 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-64920

Method: 8270C/DoD
Preparation: 3520C

MS Lab Sample ID:	240-17477-4	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-64920	Lab File ID:	21116017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1427			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-17477-4	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-64920	Lab File ID:	21116018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1446			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	63	73	45 - 110	15	30		
Acenaphthylene	62	70	50 - 105	13	30		
Anthracene	57	63	55 - 110	10	30		
Benzo[a]anthracene	62	56	55 - 110	10	30		
Benzo[a]pyrene	49	40	55 - 110	21	30	J	J
Benzo[b]fluoranthene	56	49	45 - 120	12	30		
Benzo[g,h,i]perylene	63	46	40 - 125	31	30		J
Benzoic acid	60	71	0 - 125	17	30	J	J
Benzo[k]fluoranthene	68	52	45 - 125	27	30		
Benzyl alcohol	63	81	30 - 110	26	30		
Bis(2-chloroethoxy)methane	59	75	45 - 105	23	30		
Bis(2-chloroethyl)ether	57	81	35 - 110	35	30		J
bis (2-chloroisopropyl) ether	57	79	25 - 130	32	30		J
Bis(2-ethylhexyl) phthalate	181	41	40 - 125	127	30	J	J
4-Bromophenyl phenyl ether	65	73	50 - 115	11	30		
Butyl benzyl phthalate	68	62	45 - 115	9	30		
Carbazole	67	71	50 - 115	6	30		
4-Chloroaniline	45	49	15 - 110	10	30		
4-Chloro-3-methylphenol	66	74	45 - 110	12	30		
2-Chloronaphthalene	60	73	50 - 105	19	30		
2-Chlorophenol	59	80	35 - 105	30	30		
4-Chlorophenyl phenyl ether	65	71	50 - 110	10	30		
Chrysene	69	64	55 - 110	8	30		
Dibenz(a,h)anthracene	66	46	40 - 125	36	30		J
Dibenzofuran	64	71	55 - 105	12	30		
1,4-Dichlorobenzene	55	77	30 - 100	33	30		J
1,2-Dichlorobenzene	54	76	35 - 100	34	30		J
1,3-Dichlorobenzene	53	73	30 - 100	33	30		J
3,3'-Dichlorobenzidine	0	2	20 - 110	200	30	U J	J
2,4-Dichlorophenol	63	76	50 - 105	19	30		
Diethyl phthalate	69	72	40 - 120	4	30		
2,4-Dimethylphenol	52	65	30 - 110	23	30		
Dimethyl phthalate	67	74	25 - 125	10	30		

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-64920

Method: 8270C/DoD
Preparation: 3520C

MS Lab Sample ID:	240-17477-4	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-64920	Lab File ID:	21116017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1427			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-17477-4	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	240-64920	Lab File ID:	21116018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/16/2012 1446			Final Weight/Volume:	2.0 mL
Prep Date:	11/14/2012 0833			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Di-n-butyl phthalate	69	70	55 - 115	1	30		
4,6-Dinitro-2-methylphenol	65	70	40 - 130	8	30		
2,4-Dinitrophenol	56	60	15 - 140	7	30		
2,4-Dinitrotoluene	72	75	50 - 120	5	30		
2,6-Dinitrotoluene	69	76	50 - 115	10	30		
Di-n-octyl phthalate	54	36	35 - 135	38	30		J
Fluoranthene	70	72	55 - 115	2	30		
Fluorene	65	72	50 - 110	10	30		
Hexachlorobenzene	63	68	50 - 110	9	30		
Hexachlorobutadiene	50	68	25 - 105	32	30		J
Hexachloroethane	53	72	30 - 95	31	30		J
Indeno[1,2,3-cd]pyrene	64	45	45 - 125	34	30		J
Isophorone	62	77	50 - 110	21	30		
2-Methylnaphthalene	60	76	45 - 105	23	30		
2-Methylphenol	61	79	40 - 110	25	30		
3 & 4 Methylphenol	63	82	30 - 110	26	30		
Naphthalene	57	76	40 - 100	30	30		
2-Nitroaniline	65	71	50 - 115	9	30		
3-Nitroaniline	54	54	20 - 125	1	30		
4-Nitroaniline	60	61	35 - 120	1	30		
Nitrobenzene	56	74	45 - 110	28	30		
2-Nitrophenol	60	77	40 - 115	25	30		
4-Nitrophenol	63	66	0 - 125	4	30		
N-Nitrosodi-n-propylamine	61	79	35 - 130	25	30		
N-Nitrosodiphenylamine	55	61	50 - 110	10	30		
Pentachlorophenol	61	62	40 - 115	0	30		
Phenanthrene	67	72	50 - 115	7	30		
Phenol	61	80	0 - 115	27	30		
Pyrene	66	67	50 - 130	1	30		
1,2,4-Trichlorobenzene	51	70	35 - 105	31	30		J
2,4,5-Trichlorophenol	65	76	50 - 110	15	30		
2,4,6-Trichlorophenol	64	74	50 - 115	15	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	58	70	50 - 110
2-Fluorophenol (Surr)	57	78	20 - 110
Nitrobenzene-d5 (Surr)	54	70	40 - 110
Terphenyl-d14 (Surr)	73	60	50 - 135
2,4,6-Tribromophenol (Surr)	71	73	40 - 125
Phenol-d5 (Surr)	61	80	10 - 115

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-64920

Method: 8270C/DoD
Preparation: 3520C

MS Lab Sample ID:	240-17477-4	Units:	ug/L	MSD Lab Sample ID:	240-17477-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/16/2012 1427			Analysis Date:	11/16/2012 1446
Prep Date:	11/14/2012 0833			Prep Date:	11/14/2012 0833
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	0.095	U	19.0	19.0	11.9		13.8	
Acenaphthylene	0.095	U	19.0	19.0	11.7		13.3	
Anthracene	0.095	U	19.0	19.0	10.8		11.9	
Benzo[a]anthracene	0.095	U	19.0	19.0	11.8		10.7	
Benzo[a]pyrene	0.095	U	19.0	19.0	9.33	J	7.53	J
Benzo[b]fluoranthene	0.095	U	19.0	19.0	10.6		9.41	
Benzo[g,h,i]perylene	0.095	U	19.0	19.0	12.0		8.81	J
Benzoic acid	9.5	U	19.0	19.0	11.5	J	13.6	J
Benzo[k]fluoranthene	0.095	U	19.0	19.0	13.0		9.89	
Benzyl alcohol	0.76	U	19.0	19.0	11.9		15.5	
Bis(2-chloroethoxy)methane	0.76	U	19.0	19.0	11.3		14.3	
Bis(2-chloroethyl)ether	0.095	U	19.0	19.0	10.8		15.4	J
bis (2-chloroisopropyl) ether	0.76	U	19.0	19.0	10.9		15.0	J
Bis(2-ethylhexyl) phthalate	0.76	U	19.0	19.0	34.4	J	7.72	J
4-Bromophenyl phenyl ether	0.76	U	19.0	19.0	12.4		13.9	
Butyl benzyl phthalate	0.76	U	19.0	19.0	13.0		11.9	
Carbazole	0.76	U	19.0	19.0	12.7		13.5	
4-Chloroaniline	0.76	U	19.0	19.0	8.49		9.38	
4-Chloro-3-methylphenol	0.76	U	19.0	19.0	12.6		14.2	
2-Chloronaphthalene	0.095	U	19.0	19.0	11.4		13.8	
2-Chlorophenol	0.76	U	19.0	19.0	11.3		15.2	
4-Chlorophenyl phenyl ether	0.76	U	19.0	19.0	12.3		13.6	
Chrysene	0.095	U	19.0	19.0	13.2		12.2	
Dibenz(a,h)anthracene	0.095	U	19.0	19.0	12.5		8.74	J
Dibenzofuran	0.095	U	19.0	19.0	12.1		13.6	
1,4-Dichlorobenzene	0.76	U	19.0	19.0	10.5		14.6	J
1,2-Dichlorobenzene	0.76	U	19.0	19.0	10.3		14.5	J
1,3-Dichlorobenzene	0.76	U	19.0	19.0	10.1		14.0	J
3,3'-Dichlorobenzidine	0.76	U	19.0	19.0	0.76	U J	0.449	J
2,4-Dichlorophenol	0.76	U	19.0	19.0	11.9		14.4	
Diethyl phthalate	0.76	U	19.0	19.0	13.1		13.7	
2,4-Dimethylphenol	0.76	U	19.0	19.0	9.85		12.4	
Dimethyl phthalate	0.76	U	19.0	19.0	12.7		14.1	
Di-n-butyl phthalate	0.76	U	19.0	19.0	13.2		13.3	
4,6-Dinitro-2-methylphenol	2.3	U	19.0	19.0	12.3		13.4	
2,4-Dinitrophenol	2.3	U	19.0	19.0	10.8		11.5	
2,4-Dinitrotoluene	0.76	U	19.0	19.0	13.7		14.3	
2,6-Dinitrotoluene	0.76	U	19.0	19.0	13.1		14.5	
Di-n-octyl phthalate	0.76	U	19.0	19.0	10.2		6.92	J
Fluoranthene	0.095	U	19.0	19.0	13.3		13.7	
Fluorene	0.095	U	19.0	19.0	12.3		13.7	
Hexachlorobenzene	0.095	U	19.0	19.0	11.9		13.0	
Hexachlorobutadiene	0.76	U	19.0	19.0	9.47		13.0	J

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-64920

Method: 8270C/DoD
Preparation: 3520C

MS Lab Sample ID:	240-17477-4	Units:	ug/L	MSD Lab Sample ID:	240-17477-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/16/2012 1427			Analysis Date:	11/16/2012 1446
Prep Date:	11/14/2012 0833			Prep Date:	11/14/2012 0833
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Hexachloroethane	0.76	U	19.0	19.0	10.1	13.8	J
Indeno[1,2,3-cd]pyrene	0.095	U	19.0	19.0	12.1	8.61	J
Isophorone	0.76	U	19.0	19.0	11.9	14.7	
2-Methylnaphthalene	0.095	U	19.0	19.0	11.5	14.5	
2-Methylphenol	0.76	U	19.0	19.0	11.7	15.1	
3 & 4 Methylphenol	0.76	U	38.1	38.1	24.2	31.4	
Naphthalene	0.095	U	19.0	19.0	10.8	14.5	
2-Nitroaniline	0.76	U	19.0	19.0	12.4	13.5	
3-Nitroaniline	0.76	U	19.0	19.0	10.2	10.4	
4-Nitroaniline	0.76	U	19.0	19.0	11.5	11.6	
Nitrobenzene	0.095	U	19.0	19.0	10.6	14.1	
2-Nitrophenol	0.76	U	19.0	19.0	11.5	14.7	
4-Nitrophenol	2.3	U	19.0	19.0	12.0	12.5	
N-Nitrosodi-n-propylamine	0.76	U	19.0	19.0	11.7	15.1	
N-Nitrosodiphenylamine	0.76	U	19.0	19.0	10.4	11.5	
Pentachlorophenol	2.3	U	19.0	19.0	11.7	11.7	
Phenanthrene	0.095	U	19.0	19.0	12.7	13.6	
Phenol	0.76	U	19.0	19.0	11.7	15.3	
Pyrene	0.095	U	19.0	19.0	12.5	12.7	
1,2,4-Trichlorobenzene	0.76	U	19.0	19.0	9.71	13.2	J
2,4,5-Trichlorophenol	0.76	U	19.0	19.0	12.4	14.4	
2,4,6-Trichlorophenol	0.76	U	19.0	19.0	12.2	14.1	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-65294

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-65294/3	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21116003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/16/2012 1000	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	4.99	100	70 - 130	
Acenaphthylene	5.00	5.05	101	70 - 130	
Anthracene	5.00	5.07	101	70 - 130	
Benzo[a]anthracene	5.00	4.84	97	70 - 130	
Benzo[a]pyrene	5.00	4.88	98	70 - 130	
Benzo[b]fluoranthene	5.00	4.78	96	70 - 130	
Benzo[g,h,i]perylene	5.00	4.82	96	70 - 130	
Benzoic acid	10.0	8.59	86	70 - 130	M
Benzo[k]fluoranthene	5.00	5.11	102	70 - 130	
Benzyl alcohol	5.00	4.88	98	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.96	99	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.10	102	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.84	97	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.93	99	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.08	102	70 - 130	
Butyl benzyl phthalate	5.00	4.99	100	70 - 130	
Carbazole	5.00	5.13	103	70 - 130	
4-Chloroaniline	5.00	4.91	98	70 - 130	
4-Chloro-3-methylphenol	5.00	4.90	98	70 - 130	
2-Chloronaphthalene	5.00	4.86	97	70 - 130	
2-Chlorophenol	5.00	5.12	102	70 - 130	
4-Chlorophenyl phenyl ether	5.00	4.91	98	70 - 130	
Chrysene	5.00	4.95	99	70 - 130	
Dibenz(a,h)anthracene	5.00	4.94	99	70 - 130	
Dibenzofuran	5.00	4.85	97	70 - 130	
1,4-Dichlorobenzene	5.00	5.10	102	70 - 130	
1,2-Dichlorobenzene	5.00	4.96	99	70 - 130	
1,3-Dichlorobenzene	5.00	5.01	100	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.12	102	70 - 130	
2,4-Dichlorophenol	5.00	5.11	102	70 - 130	
Diethyl phthalate	5.00	4.79	96	70 - 130	
2,4-Dimethylphenol	5.00	4.91	98	70 - 130	
Dimethyl phthalate	5.00	4.84	97	70 - 130	
Di-n-butyl phthalate	5.00	5.10	102	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.99	100	70 - 130	
2,4-Dinitrophenol	10.0	8.37	84	70 - 130	
2,4-Dinitrotoluene	5.00	5.01	100	70 - 130	
2,6-Dinitrotoluene	5.00	5.12	102	70 - 130	
Di-n-octyl phthalate	5.00	4.99	100	70 - 130	
Fluoranthene	5.00	5.05	101	70 - 130	
Fluorene	5.00	4.82	96	70 - 130	
Hexachlorobenzene	5.00	5.16	103	70 - 130	
Hexachlorobutadiene	5.00	5.01	100	70 - 130	
Hexachloroethane	5.00	5.01	100	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.84	97	70 - 130	
Isophorone	5.00	4.88	98	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-65294 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-65294/3	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21116003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/16/2012 1000	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	5.00	5.05	101	70 - 130	
2-Methylphenol	5.00	4.99	100	70 - 130	
3 & 4 Methylphenol	5.00	5.05	101	70 - 130	
Naphthalene	5.00	5.01	100	70 - 130	
2-Nitroaniline	5.00	4.89	98	70 - 130	
3-Nitroaniline	5.00	5.02	100	70 - 130	
4-Nitroaniline	5.00	5.00	100	70 - 130	
Nitrobenzene	5.00	4.93	99	70 - 130	
2-Nitrophenol	5.00	4.96	99	70 - 130	
4-Nitrophenol	5.00	4.56	91	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.91	98	70 - 130	
N-Nitrosodiphenylamine	5.00	5.11	102	70 - 130	
Pentachlorophenol	10.0	8.19	82	70 - 130	
Phenanthrene	5.00	4.93	99	70 - 130	
Phenol	5.00	5.09	102	70 - 130	
Pyrene	5.00	5.06	101	70 - 130	
1,2,4-Trichlorobenzene	5.00	4.83	97	70 - 130	
2,4,5-Trichlorophenol	5.00	4.81	96	70 - 130	
2,4,6-Trichlorophenol	5.00	4.71	94	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	100	70 - 130
2-Fluorophenol (Surr)	97	50 - 150
Nitrobenzene-d5 (Surr)	93	50 - 150
Terphenyl-d14 (Surr)	101	50 - 150
2,4,6-Tribromophenol (Surr)	95	50 - 150
Phenol-d5 (Surr)	100	50 - 150

Method Reporting Limit Check - Batch: 240-65294 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-65294/19	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21116019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/16/2012 1509	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	4.93	99	70 - 130	
Acenaphthylene	5.00	4.98	100	70 - 130	
Anthracene	5.00	4.99	100	70 - 130	
Benzo[a]anthracene	5.00	4.76	95	70 - 130	
Benzo[a]pyrene	5.00	4.97	99	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-65294 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-65294/19	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21116019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/16/2012 1509	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzo[b]fluoranthene	5.00	4.67	93	70 - 130	
Benzo[g,h,i]perylene	5.00	4.66	93	70 - 130	
Benzoic acid	10.0	7.23	72	70 - 130	
Benzo[k]fluoranthene	5.00	5.40	108	70 - 130	
Benzyl alcohol	5.00	4.71	94	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.95	99	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.98	100	70 - 130	
bis (2-chloroisopropyl) ether	5.00	4.89	98	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.79	96	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.08	102	70 - 130	
Butyl benzyl phthalate	5.00	4.95	99	70 - 130	
Carbazole	5.00	4.97	99	70 - 130	
4-Chloroaniline	5.00	4.74	95	70 - 130	
4-Chloro-3-methylphenol	5.00	4.79	96	70 - 130	
2-Chloronaphthalene	5.00	4.88	98	70 - 130	
2-Chlorophenol	5.00	4.94	99	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.00	100	70 - 130	
Chrysene	5.00	4.88	98	70 - 130	
Dibenz(a,h)anthracene	5.00	5.23	105	70 - 130	
Dibenzofuran	5.00	4.71	94	70 - 130	
1,4-Dichlorobenzene	5.00	4.92	98	70 - 130	
1,2-Dichlorobenzene	5.00	4.98	100	70 - 130	
1,3-Dichlorobenzene	5.00	4.99	100	70 - 130	
3,3'-Dichlorobenzidine	5.00	4.93	99	70 - 130	
2,4-Dichlorophenol	5.00	4.97	99	70 - 130	
Diethyl phthalate	5.00	4.79	96	70 - 130	
2,4-Dimethylphenol	5.00	4.89	98	70 - 130	
Dimethyl phthalate	5.00	4.83	97	70 - 130	
Di-n-butyl phthalate	5.00	4.94	99	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.40	88	70 - 130	
2,4-Dinitrophenol	10.0	7.63	76	70 - 130	
2,4-Dinitrotoluene	5.00	5.02	100	70 - 130	
2,6-Dinitrotoluene	5.00	4.81	96	70 - 130	
Di-n-octyl phthalate	5.00	5.14	103	70 - 130	
Fluoranthene	5.00	5.00	100	70 - 130	
Fluorene	5.00	4.91	98	70 - 130	
Hexachlorobenzene	5.00	5.02	100	70 - 130	
Hexachlorobutadiene	5.00	5.05	101	70 - 130	
Hexachloroethane	5.00	5.00	100	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.17	103	70 - 130	
Isophorone	5.00	4.84	97	70 - 130	
2-Methylnaphthalene	5.00	4.91	98	70 - 130	
2-Methylphenol	5.00	4.92	98	70 - 130	
3 & 4 Methylphenol	5.00	4.98	100	70 - 130	
Naphthalene	5.00	4.97	99	70 - 130	
2-Nitroaniline	5.00	4.66	93	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-65294

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-65294/19	Analysis Batch:	240-65294	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21116019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/16/2012 1509	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
3-Nitroaniline	5.00	4.64	93	70 - 130	
4-Nitroaniline	5.00	4.78	96	70 - 130	
Nitrobenzene	5.00	4.86	97	70 - 130	
2-Nitrophenol	5.00	4.88	98	70 - 130	
4-Nitrophenol	5.00	4.00	80	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.82	96	70 - 130	
N-Nitrosodiphenylamine	5.00	4.88	98	70 - 130	
Pentachlorophenol	10.0	7.60	76	70 - 130	
Phenanthrene	5.00	4.88	98	70 - 130	
Phenol	5.00	4.76	95	70 - 130	
Pyrene	5.00	4.91	98	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.05	101	70 - 130	
2,4,5-Trichlorophenol	5.00	4.60	92	70 - 130	
2,4,6-Trichlorophenol	5.00	4.72	94	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	98	70 - 130
2-Fluorophenol (Surr)	99	50 - 150
Nitrobenzene-d5 (Surr)	92	50 - 150
Terphenyl-d14 (Surr)	100	50 - 150
2,4,6-Tribromophenol (Surr)	99	50 - 150
Phenol-d5 (Surr)	94	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-65933

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-65933/23-A	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-65933	Lab File ID:	21203014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/03/2012 1643	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Acenaphthene	3.3	U	3.3	6.7
Acenaphthylene	3.3	U	3.3	6.7
Anthracene	3.3	U	3.3	6.7
Benzo[a]anthracene	3.3	U	3.3	6.7
Benzo[a]pyrene	3.3	U	3.3	6.7
Benzo[b]fluoranthene	3.3	U	3.3	6.7
Benzo[g,h,i]perylene	3.3	U	3.3	6.7
Benzoic acid	330	U	330	660
Benzo[k]fluoranthene	3.3	U	3.3	6.7
Benzyl alcohol	27	U	21	330
Bis(2-chloroethoxy)methane	27	U	22	100
Bis(2-chloroethyl)ether	3.3	U	2.0	100
bis (2-chloroisopropyl) ether	27	U	9.5	100
Bis(2-ethylhexyl) phthalate	90.1		19	50
4-Bromophenyl phenyl ether	27	U	13	50
Butyl benzyl phthalate	27	U	10	50
Carbazole	27	U	27	50
4-Chloroaniline	27	U	17	150
4-Chloro-3-methylphenol	27	U	21	150
2-Chloronaphthalene	3.3	U	3.3	50
2-Chlorophenol	27	U	27	50
4-Chlorophenyl phenyl ether	27	U	13	50
Chrysene	3.3	U	1.1	6.7
Dibenz(a,h)anthracene	3.3	U	3.3	6.7
Dibenzofuran	3.3	U	3.3	50
1,4-Dichlorobenzene	27	U	20	50
1,2-Dichlorobenzene	15.8	J	9.7	50
1,3-Dichlorobenzene	27	U	11	50
3,3'-Dichlorobenzidine	80	U	18	100
2,4-Dichlorophenol	27	U	20	150
Diethyl phthalate	27	U	16	50
2,4-Dimethylphenol	80	U	20	150
Dimethyl phthalate	27	U	17	50
Di-n-butyl phthalate	27	U	15	50
4,6-Dinitro-2-methylphenol	80	U	80	150
2,4-Dinitrophenol	80	U	80	330
2,4-Dinitrotoluene	27	U	27	200
2,6-Dinitrotoluene	27	U	21	200
Di-n-octyl phthalate	27	U	27	50
Fluoranthene	3.3	U	3.3	6.7
Fluorene	3.3	U	3.3	6.7
Hexachlorobenzene	3.3	U	2.1	6.7
Hexachlorobutadiene	27	U	27	50
Hexachlorocyclopentadiene	27	U	27	330
Hexachloroethane	27	U	9.0	50

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-65933

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-65933/23-A	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-65933	Lab File ID:	21203014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/03/2012 1643	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Indeno[1,2,3-cd]pyrene	3.3	U	3.3	6.7
Isophorone	27	U	13	50
2-Methylnaphthalene	3.3	U	3.3	6.7
2-Methylphenol	80	U	80	200
3 & 4 Methylphenol	80	U	20	400
Naphthalene	3.3	U	3.3	6.7
2-Nitroaniline	27	U	9.1	200
3-Nitroaniline	80	U	16	200
4-Nitroaniline	27	U	26	200
Nitrobenzene	3.3	U	2.2	100
2-Nitrophenol	27	U	27	50
4-Nitrophenol	80	U	80	330
N-Nitrosodi-n-propylamine	27	U	27	50
N-Nitrosodiphenylamine	27	U	21	50
Pentachlorophenol	80	U	80	150
Phenanthrene	3.3	U	3.3	6.7
Phenol	27	U	27	50
Pyrene	3.3	U	3.3	6.7
1,2,4-Trichlorobenzene	27	U	27	50
2,4,5-Trichlorophenol	27	U	25	150
2,4,6-Trichlorophenol	80	U	80	150

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	76	45 - 105
2-Fluorophenol (Surr)	81	35 - 105
Nitrobenzene-d5 (Surr)	78	35 - 100
Terphenyl-d14 (Surr)	93	30 - 125
2,4,6-Tribromophenol (Surr)	56	35 - 125
Phenol-d5 (Surr)	86	40 - 100

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-65933

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-65933/24-A	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-65933	Lab File ID:	21203015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/03/2012 1708	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	497	75	45 - 110	
Acenaphthylene	667	494	74	45 - 105	
Anthracene	667	487	73	55 - 105	
Benzo[a]anthracene	667	485	73	50 - 110	
Benzo[a]pyrene	667	451	68	50 - 110	
Benzo[b]fluoranthene	667	498	75	45 - 115	
Benzo[g,h,i]perylene	667	502	75	40 - 125	
Benzoic acid	667	502	75	0 - 110	J
Benzo[k]fluoranthene	667	513	77	45 - 125	
Benzyl alcohol	667	455	68	20 - 125	
Bis(2-chloroethoxy)methane	667	489	73	45 - 110	
Bis(2-chloroethyl)ether	667	475	71	40 - 105	
bis (2-chloroisopropyl) ether	667	467	70	20 - 115	
Bis(2-ethylhexyl) phthalate	667	518	78	45 - 125	
4-Bromophenyl phenyl ether	667	523	78	45 - 115	
Butyl benzyl phthalate	667	488	73	50 - 125	
Carbazole	667	482	72	45 - 115	
4-Chloroaniline	667	366	55	10 - 110	
4-Chloro-3-methylphenol	667	495	74	45 - 115	
2-Chloronaphthalene	667	485	73	45 - 105	
2-Chlorophenol	667	474	71	45 - 105	
4-Chlorophenyl phenyl ether	667	508	76	45 - 110	
Chrysene	667	521	78	55 - 110	
Dibenz(a,h)anthracene	667	503	75	40 - 125	
Dibenzofuran	667	502	75	50 - 105	
1,4-Dichlorobenzene	667	461	69	35 - 105	
1,2-Dichlorobenzene	667	599	90	45 - 110	
1,3-Dichlorobenzene	667	433	65	40 - 100	
3,3'-Dichlorobenzidine	667	335	50	10 - 130	
2,4-Dichlorophenol	667	495	74	45 - 110	
Diethyl phthalate	667	514	77	50 - 115	
2,4-Dimethylphenol	667	275	41	30 - 105	
Dimethyl phthalate	667	508	76	50 - 110	
Di-n-butyl phthalate	667	504	76	55 - 110	
4,6-Dinitro-2-methylphenol	667	428	64	30 - 135	
2,4-Dinitrophenol	667	413	62	15 - 130	
2,4-Dinitrotoluene	667	561	84	50 - 115	
2,6-Dinitrotoluene	667	580	87	50 - 110	
Di-n-octyl phthalate	667	476	71	40 - 130	
Fluoranthene	667	501	75	55 - 115	
Fluorene	667	504	76	50 - 110	
Hexachlorobenzene	667	494	74	45 - 120	
Hexachlorobutadiene	667	465	70	40 - 115	
Hexachloroethane	667	433	65	35 - 110	
Indeno[1,2,3-cd]pyrene	667	502	75	40 - 120	
Isophorone	667	483	73	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-65933

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-65933/24-A	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-65933	Lab File ID:	21203015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/03/2012 1708	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	488	73	45 - 105	
2-Methylphenol	667	448	67	40 - 105	
3 & 4 Methylphenol	1330	974	73	40 - 105	
Naphthalene	667	477	71	40 - 105	
2-Nitroaniline	667	516	77	45 - 120	
3-Nitroaniline	667	453	68	25 - 110	
4-Nitroaniline	667	492	74	35 - 115	
Nitrobenzene	667	499	75	40 - 115	
2-Nitrophenol	667	502	75	40 - 110	
4-Nitrophenol	667	565	85	15 - 140	
N-Nitrosodi-n-propylamine	667	491	74	40 - 115	
N-Nitrosodiphenylamine	667	484	73	50 - 115	
Pentachlorophenol	667	385	58	25 - 120	
Phenanthrene	667	498	75	50 - 110	
Phenol	667	472	71	40 - 100	
Pyrene	667	494	74	45 - 125	
1,2,4-Trichlorobenzene	667	448	67	45 - 110	
2,4,5-Trichlorophenol	667	474	71	50 - 110	
2,4,6-Trichlorophenol	667	475	71	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	68	45 - 105
2-Fluorophenol (Surr)	74	35 - 105
Nitrobenzene-d5 (Surr)	72	35 - 100
Terphenyl-d14 (Surr)	77	30 - 125
2,4,6-Tribromophenol (Surr)	73	35 - 125
Phenol-d5 (Surr)	75	40 - 100

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-65933

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17477-6	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-65933	Lab File ID:	21203018.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	30.10 g
Analysis Date:	12/03/2012 1824			Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

MSD Lab Sample ID:	240-17477-6	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-65933	Lab File ID:	21203019.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	30.25 g
Analysis Date:	12/03/2012 1850			Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	69	75	45 - 110	8	30		
Acenaphthylene	71	72	45 - 105	1	30		
Anthracene	69	68	55 - 105	2	30		
Benzo[a]anthracene	65	68	50 - 110	4	30		
Benzo[a]pyrene	60	59	50 - 110	2	30		
Benzo[b]fluoranthene	66	64	45 - 115	4	30		
Benzo[g,h,i]perylene	56	50	40 - 125	10	30		
Benzoic acid	0	0	0 - 110	NC	30	U	U
Benzo[k]fluoranthene	65	66	45 - 125	1	30		
Benzyl alcohol	71	78	20 - 125	8	30		
Bis(2-chloroethoxy)methane	73	74	45 - 110	0	30		
Bis(2-chloroethyl)ether	72	78	40 - 105	7	30		
bis (2-chloroisopropyl) ether	74	74	20 - 115	1	30		
4-Bromophenyl phenyl ether	75	69	45 - 115	9	30		
Butyl benzyl phthalate	73	75	50 - 125	1	30		
Carbazole	65	65	45 - 115	1	30		
4-Chloroaniline	25	25	10 - 95	2	30		
4-Chloro-3-methylphenol	75	75	45 - 115	0	30		
2-Chloronaphthalene	72	74	45 - 105	3	30		
2-Chlorophenol	75	74	45 - 105	2	30		
4-Chlorophenyl phenyl ether	71	72	45 - 110	2	30		
Chrysene	68	70	55 - 110	2	30		
Dibenz(a,h)anthracene	60	56	40 - 125	8	30		
Dibenzofuran	69	73	50 - 105	5	30		
1,4-Dichlorobenzene	69	70	35 - 105	1	30		
1,2-Dichlorobenzene	65	67	45 - 95	2	30		
1,3-Dichlorobenzene	67	65	40 - 100	4	30		
3,3'-Dichlorobenzidine	0	0	10 - 130	NC	30	U J	U J
2,4-Dichlorophenol	73	74	45 - 110	1	30		
Diethyl phthalate	73	76	50 - 115	3	30		
2,4-Dimethylphenol	63	66	30 - 105	3	30		
Dimethyl phthalate	70	75	50 - 110	7	30		
Di-n-butyl phthalate	74	71	55 - 110	5	30		

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-65933

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17477-6	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-65933	Lab File ID:	21203018.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	30.10 g
Analysis Date:	12/03/2012 1824			Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

MSD Lab Sample ID:	240-17477-6	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-65933	Lab File ID:	21203019.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	30.25 g
Analysis Date:	12/03/2012 1850			Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 1136			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,6-Dinitro-2-methylphenol	34	39	30 - 135	13	30		
2,4-Dinitrophenol	19	30	15 - 130	46	30	J	J
2,4-Dinitrotoluene	76	75	50 - 115	1	30		
2,6-Dinitrotoluene	78	79	50 - 110	0	30		
Di-n-octyl phthalate	76	75	40 - 130	1	30		
Fluoranthene	71	69	55 - 115	3	30		
Fluorene	70	71	50 - 110	1	30		
Hexachlorobenzene	72	67	45 - 120	8	30		
Hexachlorobutadiene	68	67	40 - 115	2	30		
Hexachloroethane	50	49	35 - 110	2	30		
Indeno[1,2,3-cd]pyrene	58	55	40 - 120	5	30		
Isophorone	75	76	45 - 110	1	30		
2-Methylnaphthalene	75	73	45 - 105	2	30		
2-Methylphenol	75	77	40 - 105	1	30		
3 & 4 Methylphenol	76	77	40 - 105	1	30		
Naphthalene	70	71	40 - 105	2	30		
2-Nitroaniline	80	77	45 - 120	4	30		
3-Nitroaniline	31	31	25 - 110	1	30		
4-Nitroaniline	29	32	35 - 115	8	30	J	J
Nitrobenzene	74	72	40 - 115	2	30		
2-Nitrophenol	78	76	40 - 110	2	30		
4-Nitrophenol	75	81	15 - 140	7	30		
N-Nitrosodi-n-propylamine	75	77	40 - 115	2	30		
N-Nitrosodiphenylamine	74	71	50 - 115	4	30		
Pentachlorophenol	71	67	25 - 120	7	30		
Phenanthrene	70	69	50 - 110	1	30		
Phenol	76	79	40 - 100	3	30		
Pyrene	67	69	45 - 125	2	30		
1,2,4-Trichlorobenzene	67	68	45 - 110	2	30		
2,4,5-Trichlorophenol	70	75	50 - 110	6	30		
2,4,6-Trichlorophenol	77	78	45 - 110	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	66	67	45 - 105

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorophenol (Surr)	76	75	35 - 105
Nitrobenzene-d5 (Surr)	72	71	35 - 100
Terphenyl-d14 (Surr)	69	71	30 - 125
2,4,6-Tribromophenol (Surr)	77	78	35 - 125
Phenol-d5 (Surr)	79	77	40 - 100

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-65933

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17477-6	Units:	ug/Kg	MSD Lab Sample ID:	240-17477-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/03/2012 1824			Analysis Date:	12/03/2012 1850
Prep Date:	11/21/2012 1136			Prep Date:	11/21/2012 1136
Leach Date:	11/12/2012 2200			Leach Date:	11/12/2012 2200

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	5.7	J	664	661	461		499	
Acenaphthylene	10		664	661	480		484	
Anthracene	10		664	661	467		459	
Benzo[a]anthracene	43		664	661	475		494	
Benzo[a]pyrene	42		664	661	440		429	
Benzo[b]fluoranthene	75		664	661	516		495	
Benzo[g,h,i]perylene	26		664	661	398		360	
Benzoic acid	340	U	664	661	330	U	330	U
Benzo[k]fluoranthene	27		664	661	458		464	
Benzyl alcohol	27	U	664	661	473		513	
Bis(2-chloroethoxy)methane	27	U	664	661	485		486	
Bis(2-chloroethyl)ether	3.3	U	664	661	478		514	
bis (2-chloroisopropyl) ether	27	U	664	661	489		492	
4-Bromophenyl phenyl ether	27	U	664	661	500		455	
Butyl benzyl phthalate	27	U	664	661	486		494	
Carbazole	27	U	664	661	434		428	
4-Chloroaniline	27	U	664	661	167		165	
4-Chloro-3-methylphenol	27	U	664	661	496		499	
2-Chloronaphthalene	3.3	U	664	661	476		490	
2-Chlorophenol	27	U	664	661	500		492	
4-Chlorophenyl phenyl ether	27	U	664	661	470		479	
Chrysene	63		664	661	514		526	
Dibenz(a,h)anthracene	3.3	U	664	661	400		369	
Dibenzofuran	23	J	664	661	482		506	
1,4-Dichlorobenzene	27	U	664	661	460		465	
1,2-Dichlorobenzene	14	J	664	661	448		458	
1,3-Dichlorobenzene	27	U	664	661	445		428	
3,3'-Dichlorobenzidine	81	U	664	661	80	U J	79	U J
2,4-Dichlorophenol	27	U	664	661	487		491	
Diethyl phthalate	27	U	664	661	485		501	
2,4-Dimethylphenol	81	U	664	661	421		433	
Dimethyl phthalate	27	U	664	661	465		497	
Di-n-butyl phthalate	27	U	664	661	494		470	
4,6-Dinitro-2-methylphenol	81	U	664	661	227		258	
2,4-Dinitrophenol	81	U	664	661	123	J	198	J
2,4-Dinitrotoluene	27	U	664	661	503		498	
2,6-Dinitrotoluene	27	U	664	661	522		524	
Di-n-octyl phthalate	27	U	664	661	502		495	
Fluoranthene	78		664	661	549		535	
Fluorene	6.1	J	664	661	471		478	
Hexachlorobenzene	3.3	U	664	661	478		443	
Hexachlorobutadiene	27	U	664	661	450		441	
Hexachloroethane	27	U	664	661	329		322	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-65933

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17477-6	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	12/03/2012 1824		
Prep Date:	11/21/2012 1136		
Leach Date:	11/12/2012 2200		

MSD Lab Sample ID:	240-17477-6
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	12/03/2012 1850
Prep Date:	11/21/2012 1136
Leach Date:	11/12/2012 2200

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Indeno[1,2,3-cd]pyrene	22		664	661	406		385	
Isophorone	27	U	664	661	499		505	
2-Methylnaphthalene	90		664	661	586		574	
2-Methylphenol	81	U	664	661	501		508	
3 & 4 Methylphenol	81	U	1330	1320	1010		1020	
Naphthalene	63		664	661	525		535	
2-Nitroaniline	27	U	664	661	531		510	
3-Nitroaniline	81	U	664	661	207		205	
4-Nitroaniline	27	U	664	661	196	J	213	J
Nitrobenzene	3.3	U	664	661	489		479	
2-Nitrophenol	27	U	664	661	516		503	
4-Nitrophenol	81	U	664	661	498		536	
N-Nitrosodi-n-propylamine	27	U	664	661	497		506	
N-Nitrosodiphenylamine	27	U	664	661	489		471	
Pentachlorophenol	81	U	664	661	471		440	
Phenanthrene	71		664	661	537		530	
Phenol	27	U	664	661	503		520	
Pyrene	65		664	661	512		521	
1,2,4-Trichlorobenzene	27	U	664	661	442		452	
2,4,5-Trichlorophenol	27	U	664	661	467		497	
2,4,6-Trichlorophenol	81	U	664	661	508		514	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-67070 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67070/13	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21203013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/03/2012 1618	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	4.89	98	70 - 130	
Acenaphthylene	5.00	4.98	100	70 - 130	
Anthracene	5.00	5.05	101	70 - 130	
Benzo[a]anthracene	5.00	4.84	97	70 - 130	
Benzo[a]pyrene	5.00	4.94	99	70 - 130	
Benzo[b]fluoranthene	5.00	4.94	99	70 - 130	
Benzo[g,h,i]perylene	5.00	4.87	97	70 - 130	
Benzoic acid	10.0	9.95	100	70 - 130	M
Benzo[k]fluoranthene	5.00	5.09	102	70 - 130	
Benzyl alcohol	5.00	4.96	99	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.75	95	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.14	103	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.57	91	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.12	102	70 - 130	
Butyl benzyl phthalate	5.00	4.85	97	70 - 130	
Carbazole	5.00	4.70	94	70 - 130	
4-Chloro-3-methylphenol	5.00	4.99	100	70 - 130	
2-Chloronaphthalene	5.00	4.87	97	70 - 130	
2-Chlorophenol	5.00	4.95	99	70 - 130	
4-Chlorophenyl phenyl ether	5.00	4.94	99	70 - 130	
Chrysene	5.00	4.85	97	70 - 130	
Dibenz(a,h)anthracene	5.00	4.92	98	70 - 130	
Dibenzofuran	5.00	4.89	98	70 - 130	
1,4-Dichlorobenzene	5.00	4.90	98	70 - 130	
1,2-Dichlorobenzene	5.00	4.89	98	70 - 130	
1,3-Dichlorobenzene	5.00	5.05	101	70 - 130	
3,3'-Dichlorobenzidine	5.00	4.92	98	70 - 130	
2,4-Dichlorophenol	5.00	4.80	96	70 - 130	
Diethyl phthalate	5.00	4.91	98	70 - 130	
2,4-Dimethylphenol	5.00	4.82	96	70 - 130	
Dimethyl phthalate	5.00	4.94	99	70 - 130	
Di-n-butyl phthalate	5.00	4.85	97	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.87	97	70 - 130	
2,4-Dinitrophenol	10.0	9.93	99	70 - 130	
2,4-Dinitrotoluene	5.00	5.22	104	70 - 130	
2,6-Dinitrotoluene	5.00	4.99	100	70 - 130	
Di-n-octyl phthalate	5.00	4.75	95	70 - 130	
Fluoranthene	5.00	4.91	98	70 - 130	
Fluorene	5.00	4.84	97	70 - 130	
Hexachlorobenzene	5.00	4.97	99	70 - 130	
Hexachlorobutadiene	5.00	4.96	99	70 - 130	
Hexachloroethane	5.00	4.95	99	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.00	100	70 - 130	
Isophorone	5.00	4.71	94	70 - 130	
2-Methylnaphthalene	5.00	4.86	97	70 - 130	
2-Methylphenol	5.00	5.04	101	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-67070 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67070/13	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21203013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/03/2012 1618	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
3 & 4 Methylphenol	5.00	4.97	99	70 - 130	
Naphthalene	5.00	4.70	94	70 - 130	
2-Nitroaniline	5.00	5.00	100	70 - 130	
3-Nitroaniline	5.00	5.14	103	70 - 130	
4-Nitroaniline	5.00	4.85	97	70 - 130	
Nitrobenzene	5.00	4.74	95	70 - 130	
2-Nitrophenol	5.00	4.95	99	70 - 130	
4-Nitrophenol	5.00	5.53	111	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.95	99	70 - 130	
N-Nitrosodiphenylamine	5.00	4.90	98	70 - 130	
Pentachlorophenol	10.0	9.60	96	70 - 130	
Phenanthrene	5.00	4.73	95	70 - 130	
Phenol	5.00	5.09	102	70 - 130	
Pyrene	5.00	4.87	97	70 - 130	
1,2,4-Trichlorobenzene	5.00	4.74	95	70 - 130	
2,4,5-Trichlorophenol	5.00	4.94	99	70 - 130	
2,4,6-Trichlorophenol	5.00	5.16	103	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	94		50 - 150
2-Fluorophenol (Surr)	100		50 - 150
Nitrobenzene-d5 (Surr)	98		50 - 150
Terphenyl-d14 (Surr)	93		50 - 150
2,4,6-Tribromophenol (Surr)	101		50 - 150
Phenol-d5 (Surr)	101	Q	50 - 150

Method Reporting Limit Check - Batch: 240-67070 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67070/24	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21203024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/03/2012 2056	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	4.89	98	70 - 130	
Acenaphthylene	5.00	4.93	99	70 - 130	
Anthracene	5.00	4.86	97	70 - 130	
Benzo[a]anthracene	5.00	4.78	96	70 - 130	
Benzo[a]pyrene	5.00	4.82	96	70 - 130	
Benzo[b]fluoranthene	5.00	5.20	104	70 - 130	
Benzo[g,h,i]perylene	5.00	2.89	58	70 - 130	^

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-67070

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-67070/24	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21203024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/03/2012 2056	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzoic acid	10.0	10.1	101	70 - 130	
Benzo[k]fluoranthene	5.00	5.01	100	70 - 130	
Benzyl alcohol	5.00	5.21	104	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.90	98	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.19	104	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.05	101	70 - 130	
4-Bromophenyl phenyl ether	5.00	4.89	98	70 - 130	
Butyl benzyl phthalate	5.00	5.21	104	70 - 130	
Carbazole	5.00	4.79	96	70 - 130	
4-Chloro-3-methylphenol	5.00	5.05	101	70 - 130	
2-Chloronaphthalene	5.00	4.76	95	70 - 130	
2-Chlorophenol	5.00	5.09	102	70 - 130	
4-Chlorophenyl phenyl ether	5.00	4.97	99	70 - 130	
Chrysene	5.00	4.88	98	70 - 130	
Dibenz(a,h)anthracene	5.00	3.42	68	70 - 130	^
Dibenzofuran	5.00	4.75	95	70 - 130	
1,4-Dichlorobenzene	5.00	4.92	98	70 - 130	
1,2-Dichlorobenzene	5.00	5.03	101	70 - 130	
1,3-Dichlorobenzene	5.00	5.00	100	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.15	103	70 - 130	
2,4-Dichlorophenol	5.00	5.04	101	70 - 130	
Diethyl phthalate	5.00	4.86	97	70 - 130	
2,4-Dimethylphenol	5.00	5.08	102	70 - 130	
Dimethyl phthalate	5.00	4.82	96	70 - 130	
Di-n-butyl phthalate	5.00	5.03	101	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	2.31	46	70 - 130	^
2,4-Dinitrophenol	10.0	3.74	37	70 - 130	^
2,4-Dinitrotoluene	5.00	5.29	106	70 - 130	
2,6-Dinitrotoluene	5.00	5.26	105	70 - 130	
Di-n-octyl phthalate	5.00	6.12	122	70 - 130	
Fluoranthene	5.00	4.77	95	70 - 130	
Fluorene	5.00	4.89	98	70 - 130	
Hexachlorobenzene	5.00	4.94	99	70 - 130	
Hexachlorobutadiene	5.00	4.64	93	70 - 130	
Hexachloroethane	5.00	2.91	58	70 - 130	^
Indeno[1,2,3-cd]pyrene	5.00	3.35	67	70 - 130	^
Isophorone	5.00	4.95	99	70 - 130	
2-Methylnaphthalene	5.00	4.81	96	70 - 130	
2-Methylphenol	5.00	5.07	101	70 - 130	
3 & 4 Methylphenol	5.00	5.19	104	70 - 130	
Naphthalene	5.00	4.79	96	70 - 130	
2-Nitroaniline	5.00	5.37	107	70 - 130	
3-Nitroaniline	5.00	5.57	111	70 - 130	
4-Nitroaniline	5.00	5.39	108	70 - 130	
Nitrobenzene	5.00	4.93	99	70 - 130	
2-Nitrophenol	5.00	5.19	104	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-67070

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-67070/24	Analysis Batch:	240-67070	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21203024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/03/2012 2056	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Nitrophenol	5.00	5.02	100	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.23	105	70 - 130	
N-Nitrosodiphenylamine	5.00	4.97	99	70 - 130	
Pentachlorophenol	10.0	8.63	86	70 - 130	
Phenanthrene	5.00	4.64	93	70 - 130	
Phenol	5.00	5.12	102	70 - 130	
Pyrene	5.00	4.96	99	70 - 130	
1,2,4-Trichlorobenzene	5.00	4.86	97	70 - 130	
2,4,5-Trichlorophenol	5.00	4.89	98	70 - 130	
2,4,6-Trichlorophenol	5.00	4.76	95	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	95		50 - 150
2-Fluorophenol (Surr)	103		50 - 150
Nitrobenzene-d5 (Surr)	100		50 - 150
Terphenyl-d14 (Surr)	95		50 - 150
2,4,6-Tribromophenol (Surr)	110		50 - 150
Phenol-d5 (Surr)	104	Q	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-67436

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-67436/23-A	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-67436	Lab File ID:	21207004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/07/2012 1408	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/05/2012 1050			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Acenaphthene	3.3	U	3.3	6.7
Acenaphthylene	3.3	U	3.3	6.7
Anthracene	3.3	U	3.3	6.7
Benzo[a]anthracene	3.3	U	3.3	6.7
Benzo[a]pyrene	3.3	U	3.3	6.7
Benzo[b]fluoranthene	3.3	U	3.3	6.7
Benzo[g,h,i]perylene	3.3	U	3.3	6.7
Benzoic acid	330	U	330	660
Benzo[k]fluoranthene	3.3	U	3.3	6.7
Benzyl alcohol	27	U	21	330
Bis(2-chloroethoxy)methane	27	U	22	100
Bis(2-chloroethyl)ether	3.3	U	2.0	100
bis (2-chloroisopropyl) ether	27	U	9.5	100
Bis(2-ethylhexyl) phthalate	27	U	19	50
4-Bromophenyl phenyl ether	27	U	13	50
Butyl benzyl phthalate	27	U	10	50
Carbazole	27	U	27	50
4-Chloroaniline	27	U	17	150
4-Chloro-3-methylphenol	27	U	21	150
2-Chloronaphthalene	3.3	U	3.3	50
2-Chlorophenol	27	U	27	50
4-Chlorophenyl phenyl ether	27	U	13	50
Chrysene	3.3	U	1.1	6.7
Dibenz(a,h)anthracene	3.3	U	3.3	6.7
Dibenzofuran	3.3	U	3.3	50
1,4-Dichlorobenzene	27	U	20	50
1,2-Dichlorobenzene	27	U	9.7	50
1,3-Dichlorobenzene	27	U	11	50
3,3'-Dichlorobenzidine	80	U	18	100
2,4-Dichlorophenol	27	U	20	150
Diethyl phthalate	27	U	16	50
2,4-Dimethylphenol	80	U	20	150
Dimethyl phthalate	27	U	17	50
Di-n-butyl phthalate	27	U	15	50
4,6-Dinitro-2-methylphenol	80	U	80	150
2,4-Dinitrophenol	80	U	80	330
2,4-Dinitrotoluene	27	U	27	200
2,6-Dinitrotoluene	27	U	21	200
Di-n-octyl phthalate	27	U	27	50
Fluoranthene	3.3	U	3.3	6.7
Fluorene	3.3	U	3.3	6.7
Hexachlorobenzene	3.3	U	2.1	6.7
Hexachlorobutadiene	27	U	27	50
Hexachlorocyclopentadiene	27	U	27	330
Hexachloroethane	27	U	9.0	50

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-67436

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-67436/23-A	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-67436	Lab File ID:	21207004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/07/2012 1408	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/05/2012 1050			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Indeno[1,2,3-cd]pyrene	3.3	U	3.3	6.7
Isophorone	27	U	13	50
2-Methylnaphthalene	3.3	U	3.3	6.7
2-Methylphenol	80	U	80	200
3 & 4 Methylphenol	80	U	20	400
Naphthalene	3.3	U	3.3	6.7
2-Nitroaniline	27	U	9.1	200
3-Nitroaniline	80	U	16	200
4-Nitroaniline	27	U	26	200
Nitrobenzene	3.3	U	2.2	100
2-Nitrophenol	27	U	27	50
4-Nitrophenol	80	U	80	330
N-Nitrosodi-n-propylamine	27	U	27	50
N-Nitrosodiphenylamine	27	U	21	50
Pentachlorophenol	80	U	80	150
Phenanthrene	3.3	U	3.3	6.7
Phenol	27	U	27	50
Pyrene	3.3	U	3.3	6.7
1,2,4-Trichlorobenzene	27	U	27	50
2,4,5-Trichlorophenol	27	U	25	150
2,4,6-Trichlorophenol	80	U	80	150

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	65	45 - 105
2-Fluorophenol (Surr)	76	35 - 105
Nitrobenzene-d5 (Surr)	69	35 - 100
Terphenyl-d14 (Surr)	77	30 - 125
2,4,6-Tribromophenol (Surr)	58	35 - 125
Phenol-d5 (Surr)	77	40 - 100

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-67436

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-67436/24-A	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-67436	Lab File ID:	21207005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/07/2012 1433	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/05/2012 1050			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	455	68	45 - 110	
Acenaphthylene	667	474	71	45 - 105	
Anthracene	667	500	75	55 - 105	
Benzo[a]anthracene	667	486	73	50 - 110	
Benzo[a]pyrene	667	455	68	50 - 110	
Benzo[b]fluoranthene	667	485	73	45 - 115	
Benzo[g,h,i]perylene	667	526	79	40 - 125	
Benzoic acid	667	381	57	0 - 110	J
Benzo[k]fluoranthene	667	501	75	45 - 125	
Benzyl alcohol	667	494	74	20 - 125	
Bis(2-chloroethoxy)methane	667	444	67	45 - 110	
Bis(2-chloroethyl)ether	667	483	72	40 - 105	
bis (2-chloroisopropyl) ether	667	494	74	20 - 115	
Bis(2-ethylhexyl) phthalate	667	440	66	45 - 125	
4-Bromophenyl phenyl ether	667	552	83	45 - 115	
Butyl benzyl phthalate	667	464	70	50 - 125	
Carbazole	667	491	74	45 - 115	
4-Chloroaniline	667	347	52	10 - 110	
4-Chloro-3-methylphenol	667	475	71	45 - 115	
2-Chloronaphthalene	667	464	70	45 - 105	
2-Chlorophenol	667	497	74	45 - 105	
4-Chlorophenyl phenyl ether	667	505	76	45 - 110	
Chrysene	667	521	78	55 - 110	
Dibenz(a,h)anthracene	667	515	77	40 - 125	
Dibenzofuran	667	474	71	50 - 105	
1,4-Dichlorobenzene	667	476	71	35 - 105	
1,2-Dichlorobenzene	667	468	70	45 - 110	
1,3-Dichlorobenzene	667	481	72	40 - 100	
3,3'-Dichlorobenzidine	667	334	50	10 - 130	
2,4-Dichlorophenol	667	495	74	45 - 110	
Diethyl phthalate	667	477	72	50 - 115	
2,4-Dimethylphenol	667	262	39	30 - 105	
Dimethyl phthalate	667	489	73	50 - 110	
Di-n-butyl phthalate	667	480	72	55 - 110	
4,6-Dinitro-2-methylphenol	667	476	71	30 - 135	
2,4-Dinitrophenol	667	367	55	15 - 130	
2,4-Dinitrotoluene	667	552	83	50 - 115	
2,6-Dinitrotoluene	667	549	82	50 - 110	
Di-n-octyl phthalate	667	426	64	40 - 130	
Fluoranthene	667	511	77	55 - 115	
Fluorene	667	468	70	50 - 110	
Hexachlorobenzene	667	511	77	45 - 120	
Hexachlorobutadiene	667	439	66	40 - 115	
Hexachloroethane	667	457	69	35 - 110	
Indeno[1,2,3-cd]pyrene	667	502	75	40 - 120	
Isophorone	667	442	66	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-67436

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-67436/24-A	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-67436	Lab File ID:	21207005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/07/2012 1433	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/05/2012 1050			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	479	72	45 - 105	
2-Methylphenol	667	482	72	40 - 105	
3 & 4 Methylphenol	1330	1020	77	40 - 105	
Naphthalene	667	460	69	40 - 105	
2-Nitroaniline	667	493	74	45 - 120	
3-Nitroaniline	667	477	72	25 - 110	
4-Nitroaniline	667	541	81	35 - 115	
Nitrobenzene	667	442	66	40 - 115	
2-Nitrophenol	667	501	75	40 - 110	
4-Nitrophenol	667	502	75	15 - 140	
N-Nitrosodi-n-propylamine	667	480	72	40 - 115	
N-Nitrosodiphenylamine	667	499	75	50 - 115	
Pentachlorophenol	667	337	50	25 - 120	
Phenanthrene	667	494	74	50 - 110	
Phenol	667	512	77	40 - 100	
Pyrene	667	487	73	45 - 125	
1,2,4-Trichlorobenzene	667	452	68	45 - 110	
2,4,5-Trichlorophenol	667	482	72	50 - 110	
2,4,6-Trichlorophenol	667	464	70	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	63	45 - 105
2-Fluorophenol (Surr)	76	35 - 105
Nitrobenzene-d5 (Surr)	65	35 - 100
Terphenyl-d14 (Surr)	75	30 - 125
2,4,6-Tribromophenol (Surr)	79	35 - 125
Phenol-d5 (Surr)	78	40 - 100

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-67436

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17477-6RE	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-67436	Lab File ID:	21207012.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	30.46 g
Analysis Date:	12/07/2012 1728	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	12/05/2012 1050			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

MSD Lab Sample ID:	240-17477-6RE	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-67436	Lab File ID:	21207013.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	30.17 g
Analysis Date:	12/07/2012 1753	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	12/05/2012 1050			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bis(2-ethylhexyl) phthalate	73	72	45 - 125	1	30	H	H

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	66	63	45 - 105
2-Fluorophenol (Surr)	72	72	35 - 105
Nitrobenzene-d5 (Surr)	60	61	35 - 100
Terphenyl-d14 (Surr)	73	71	30 - 125
2,4,6-Tribromophenol (Surr)	86	84	35 - 125
Phenol-d5 (Surr)	76	72	40 - 100

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-67436

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17477-6RE	Units:	ug/Kg	MSD Lab Sample ID:	240-17477-6RE
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/07/2012 1728			Analysis Date:	12/07/2012 1753
Prep Date:	12/05/2012 1050			Prep Date:	12/05/2012 1050
Leach Date:	11/12/2012 2200			Leach Date:	11/12/2012 2200
Run Type:	RE			Run Type:	RE

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Bis(2-ethylhexyl) phthalate	27	U	657	663	477	H	480	H

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-67729 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67729/3	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21207003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/07/2012 1343	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	4.83	97	70 - 130	
Acenaphthylene	5.00	4.84	97	70 - 130	
Anthracene	5.00	4.97	99	70 - 130	
Benzo[a]anthracene	5.00	5.28	106	70 - 130	
Benzo[a]pyrene	5.00	5.33	107	70 - 130	
Benzo[b]fluoranthene	5.00	5.29	106	70 - 130	
Benzo[g,h,i]perylene	5.00	5.49	110	70 - 130	
Benzoic acid	10.0	7.85	78	70 - 130	
Benzo[k]fluoranthene	5.00	5.50	110	70 - 130	
Benzyl alcohol	5.00	5.54	111	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.57	111	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.80	116	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.86	97	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.97	119	70 - 130	
Butyl benzyl phthalate	5.00	5.19	104	70 - 130	
Carbazole	5.00	4.88	98	70 - 130	
4-Chloro-3-methylphenol	5.00	4.88	98	70 - 130	
2-Chloronaphthalene	5.00	5.61	112	70 - 130	
2-Chlorophenol	5.00	5.25	105	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.43	109	70 - 130	
Chrysene	5.00	5.44	109	70 - 130	
Dibenz(a,h)anthracene	5.00	5.40	108	70 - 130	
Dibenzofuran	5.00	4.78	96	70 - 130	
1,4-Dichlorobenzene	5.00	5.33	107	70 - 130	
1,2-Dichlorobenzene	5.00	5.40	108	70 - 130	
1,3-Dichlorobenzene	5.00	5.61	112	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.52	110	70 - 130	
2,4-Dichlorophenol	5.00	5.31	106	70 - 130	
Diethyl phthalate	5.00	4.29	86	70 - 130	
2,4-Dimethylphenol	5.00	4.78	96	70 - 130	
Dimethyl phthalate	5.00	4.61	92	70 - 130	
Di-n-butyl phthalate	5.00	4.59	92	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	5.07	101	70 - 130	
2,4-Dinitrophenol	10.0	8.55	86	70 - 130	
2,4-Dinitrotoluene	5.00	5.88	118	70 - 130	
2,6-Dinitrotoluene	5.00	5.66	113	70 - 130	
Di-n-octyl phthalate	5.00	4.89	98	70 - 130	
Fluoranthene	5.00	4.78	96	70 - 130	
Fluorene	5.00	4.61	92	70 - 130	
Hexachlorobenzene	5.00	5.43	109	70 - 130	
Hexachlorobutadiene	5.00	5.71	114	70 - 130	
Hexachloroethane	5.00	5.02	100	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.48	110	70 - 130	
Isophorone	5.00	4.72	94	70 - 130	
2-Methylnaphthalene	5.00	5.08	102	70 - 130	
2-Methylphenol	5.00	5.53	111	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-67729 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67729/3	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21207003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/07/2012 1343	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
3 & 4 Methylphenol	5.00	5.68	114	70 - 130	
Naphthalene	5.00	4.85	97	70 - 130	
2-Nitroaniline	5.00	4.80	96	70 - 130	
3-Nitroaniline	5.00	5.37	107	70 - 130	
4-Nitroaniline	5.00	5.41	108	70 - 130	
Nitrobenzene	5.00	5.46	109	70 - 130	
2-Nitrophenol	5.00	5.66	113	70 - 130	
4-Nitrophenol	5.00	4.75	95	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.27	105	70 - 130	
N-Nitrosodiphenylamine	5.00	5.17	103	70 - 130	
Pentachlorophenol	10.0	9.86	99	70 - 130	
Phenanthrene	5.00	4.77	95	70 - 130	
Phenol	5.00	5.58	112	70 - 130	
Pyrene	5.00	5.32	106	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.55	111	70 - 130	
2,4,5-Trichlorophenol	5.00	5.06	101	70 - 130	
2,4,6-Trichlorophenol	5.00	4.95	99	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	107	Q	50 - 150
2-Fluorophenol (Surr)	108	Q	50 - 150
Nitrobenzene-d5 (Surr)	109	Q	50 - 150
Terphenyl-d14 (Surr)	106		50 - 150
2,4,6-Tribromophenol (Surr)	108		50 - 150
Phenol-d5 (Surr)	113	Q	50 - 150

Method Reporting Limit Check - Batch: 240-67729 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67729/15	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21207015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/07/2012 1843	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	4.75	95	70 - 130	
Acenaphthylene	5.00	4.91	98	70 - 130	
Anthracene	5.00	5.26	105	70 - 130	
Benzo[a]anthracene	5.00	5.14	103	70 - 130	
Benzo[a]pyrene	5.00	5.17	103	70 - 130	
Benzo[b]fluoranthene	5.00	5.23	105	70 - 130	
Benzo[g,h,i]perylene	5.00	4.46	89	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-67729

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-67729/15	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21207015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/07/2012 1843	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzoic acid	10.0	8.56	86	70 - 130	
Benzo[k]fluoranthene	5.00	5.03	101	70 - 130	
Benzyl alcohol	5.00	5.58	112	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.12	102	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.34	107	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.83	97	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.82	116	70 - 130	
Butyl benzyl phthalate	5.00	4.88	98	70 - 130	
Carbazole	5.00	5.08	102	70 - 130	
4-Chloro-3-methylphenol	5.00	4.76	95	70 - 130	
2-Chloronaphthalene	5.00	5.11	102	70 - 130	
2-Chlorophenol	5.00	5.22	104	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.07	101	70 - 130	
Chrysene	5.00	5.17	103	70 - 130	
Dibenz(a,h)anthracene	5.00	4.85	97	70 - 130	
Dibenzofuran	5.00	4.77	95	70 - 130	
1,4-Dichlorobenzene	5.00	5.13	103	70 - 130	
1,2-Dichlorobenzene	5.00	5.34	107	70 - 130	
1,3-Dichlorobenzene	5.00	5.28	106	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.41	108	70 - 130	
2,4-Dichlorophenol	5.00	5.18	104	70 - 130	
Diethyl phthalate	5.00	4.43	89	70 - 130	
2,4-Dimethylphenol	5.00	4.86	97	70 - 130	
Dimethyl phthalate	5.00	4.54	91	70 - 130	
Di-n-butyl phthalate	5.00	4.83	97	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.99	100	70 - 130	
2,4-Dinitrophenol	10.0	8.50	85	70 - 130	
2,4-Dinitrotoluene	5.00	5.43	109	70 - 130	
2,6-Dinitrotoluene	5.00	5.52	110	70 - 130	
Di-n-octyl phthalate	5.00	5.05	101	70 - 130	
Fluoranthene	5.00	5.14	103	70 - 130	
Fluorene	5.00	4.71	94	70 - 130	
Hexachlorobenzene	5.00	5.35	107	70 - 130	
Hexachlorobutadiene	5.00	5.05	101	70 - 130	
Hexachloroethane	5.00	3.79	76	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.78	96	70 - 130	
Isophorone	5.00	4.59	92	70 - 130	
2-Methylnaphthalene	5.00	4.95	99	70 - 130	
2-Methylphenol	5.00	5.50	110	70 - 130	
3 & 4 Methylphenol	5.00	5.58	112	70 - 130	
Naphthalene	5.00	4.72	94	70 - 130	
2-Nitroaniline	5.00	4.74	95	70 - 130	
3-Nitroaniline	5.00	5.39	108	70 - 130	
4-Nitroaniline	5.00	5.27	105	70 - 130	
Nitrobenzene	5.00	4.85	97	70 - 130	
2-Nitrophenol	5.00	5.43	109	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-67729

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-67729/15	Analysis Batch:	240-67729	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21207015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/07/2012 1843	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Nitrophenol	5.00	4.65	93	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.14	103	70 - 130	
N-Nitrosodiphenylamine	5.00	5.35	107	70 - 130	
Pentachlorophenol	10.0	9.52	95	70 - 130	
Phenanthrene	5.00	5.03	101	70 - 130	
Phenol	5.00	5.30	106	70 - 130	
Pyrene	5.00	5.14	103	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.12	102	70 - 130	
2,4,5-Trichlorophenol	5.00	4.78	96	70 - 130	
2,4,6-Trichlorophenol	5.00	5.05	101	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	101		50 - 150
2-Fluorophenol (Surr)	103		50 - 150
Nitrobenzene-d5 (Surr)	99		50 - 150
Terphenyl-d14 (Surr)	100		50 - 150
2,4,6-Tribromophenol (Surr)	112		50 - 150
Phenol-d5 (Surr)	110	Q	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-65759

Method: 8081/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-65759/17-A	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Solid	Prep Batch:	240-65759	Lab File ID:	P9112751.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/29/2012 0047	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/20/2012 1121			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.67	U	0.62	2.0
4,4'-DDE	0.67	U	0.39	1.7
4,4'-DDT	0.67	U	0.63	2.0
Aldrin	1.3	U	1.2	4.0
alpha-BHC	1.3	U	0.73	2.5
alpha-Chlordane	1.3	U	0.94	3.0
beta-BHC	1.3	U	1.1	3.5
delta-BHC	1.3	U	1.2	4.0
Dieldrin	0.67	U	0.47	1.7
Endosulfan I	0.67	U	0.52	1.7
Endosulfan II	1.3	U	0.82	2.5
Endosulfan sulfate	1.3	U	0.87	3.0
Endrin	0.67	U	0.50	1.7
Endrin aldehyde	1.3	U	1.0	3.0
Endrin ketone	0.67	U	0.63	2.0
gamma-BHC (Lindane)	1.3	U	0.74	2.5
gamma-Chlordane	0.67	U	0.42	1.7
Heptachlor	1.3	U	1.1	3.5
Heptachlor epoxide	1.3	U	0.80	2.5
Methoxychlor	3.3	U	1.5	5.0
Toxaphene	20	U	19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	88	55 - 130
Tetrachloro-m-xylene	86	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	92	55 - 130
Tetrachloro-m-xylene	86	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-65759

Method: 8081/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-65759/18-A	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Solid	Prep Batch:	240-65759	Lab File ID:	P9112731.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/28/2012 1536	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/20/2012 1121			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	33.3	35.3	106	30 - 135	
4,4'-DDE	33.3	33.5	100	70 - 125	
4,4'-DDT	33.3	36.3	109	45 - 140	
Aldrin	33.3	34.2	103	45 - 140	
alpha-BHC	33.3	36.2	109	60 - 125	
alpha-Chlordane	33.3	33.4	100	65 - 120	
beta-BHC	33.3	33.4	100	60 - 125	
delta-BHC	33.3	40.3	121	55 - 130	
Dieldrin	33.3	35.1	105	65 - 125	
Endosulfan I	33.3	25.3	76	15 - 135	
Endosulfan II	33.3	28.4	85	35 - 140	
Endosulfan sulfate	33.3	37.2	112	60 - 135	
Endrin	33.3	32.0	96	60 - 135	
Endrin aldehyde	33.3	33.5	101	35 - 145	
Endrin ketone	33.3	32.3	97	65 - 135	
gamma-BHC (Lindane)	33.3	33.8	101	60 - 125	
gamma-Chlordane	33.3	33.1	99	65 - 125	
Heptachlor	33.3	29.4	88	50 - 140	
Heptachlor epoxide	33.3	34.6	104	65 - 130	
Methoxychlor	33.3	32.8	99	55 - 145	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	92	55 - 130
Tetrachloro-m-xylene	81	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	97	55 - 130
Tetrachloro-m-xylene	85	70 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-65759

Method: 8081/DOD
Preparation: 3540C

MS Lab Sample ID:	240-17477-6	Analysis Batch:	240-66829	Instrument ID:	A2HP9
Client Matrix:	Solid	Prep Batch:	240-65759	Lab File ID:	P9112910.D
Dilution:	50	Leach Batch:	240-65057	Initial Weight/Volume:	30.18 g
Analysis Date:	11/29/2012 1857			Final Weight/Volume:	10 mL
Prep Date:	11/20/2012 1121			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200			Column ID:	PRIMARY

MSD Lab Sample ID:	240-17477-6	Analysis Batch:	240-66829	Instrument ID:	A2HP9
Client Matrix:	Solid	Prep Batch:	240-65759	Lab File ID:	P9112911.D
Dilution:	50	Leach Batch:	240-65057	Initial Weight/Volume:	30.36 g
Analysis Date:	11/29/2012 1924			Final Weight/Volume:	10 mL
Prep Date:	11/20/2012 1121			Injection Volume:	1 uL
Leach Date:	11/12/2012 2200			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	0	0	30 - 135	NC	30	U J	U J
4,4'-DDE	96	96	70 - 125	1	30	J D	J D
4,4'-DDT	0	0	45 - 140	NC	30	U J	U J
Aldrin	NC	NC	45 - 140	NC	30	U	U
alpha-BHC	NC	NC	60 - 125	NC	30	U	U
alpha-Chlordane	NC	NC	65 - 120	NC	30	U	U
beta-BHC	NC	NC	60 - 125	12	30	D	D
delta-BHC	NC	NC	55 - 130	NC	30	U	U
Dieldrin	94	95	65 - 125	0	30	J D	J D
Endosulfan I	0	0	15 - 135	NC	30	U J	U J
Endosulfan II	NC	NC	35 - 140	NC	30	U	U
Endosulfan sulfate	NC	NC	60 - 135	NC	30	U	U
Endrin	94	91	60 - 135	4	30	J D	J D
Endrin aldehyde	NC	NC	35 - 145	NC	30	U	U
Endrin ketone	96	99	65 - 135	3	30	J D	J D
gamma-BHC (Lindane)	NC	NC	60 - 125	20	30	J D	J D
gamma-Chlordane	97	100	65 - 125	2	30	J D	J D
Heptachlor	NC	NC	50 - 140	NC	30	U	U
Heptachlor epoxide	NC	NC	65 - 130	NC	30	U J	U J
Methoxychlor	NC	NC	55 - 145	NC	30	U	U

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	123		96		55 - 130
Tetrachloro-m-xylene	147	Q	133	Q	70 - 125

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	114		91	M	55 - 130
Tetrachloro-m-xylene	110		102		70 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-65759

Method: 8081/DOD
Preparation: 3540C

MS Lab Sample ID:	240-17477-6	Units:	ug/Kg	MSD Lab Sample ID:	240-17477-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	50			Dilution:	50
Analysis Date:	11/29/2012 1857			Analysis Date:	11/29/2012 1924
Prep Date:	11/20/2012 1121			Prep Date:	11/20/2012 1121
Leach Date:	11/12/2012 2200			Leach Date:	11/12/2012 2200

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
4,4'-DDD	33	U	33.1	32.9	33	U J	33	U J
4,4'-DDE	33	U	33.1	32.9	31.9	J D	31.7	J D
4,4'-DDT	33	U	33.1	32.9	33	U J	33	U J
Aldrin	66	U	33.1	32.9	66	U	66	U
alpha-BHC	66	U	33.1	32.9	66	U	66	U
alpha-Chlordane	66	U	33.1	32.9	66	U	66	U
beta-BHC	66	U	33.1	32.9	386	D	343	D
delta-BHC	66	U	33.1	32.9	66	U	66	U
Dieldrin	33	U	33.1	32.9	31.3	J D	31.1	J D
Endosulfan I	33	U	33.1	32.9	33	U J	33	U J
Endosulfan II	66	U	33.1	32.9	66	U	66	U
Endosulfan sulfate	66	U	33.1	32.9	66	U	66	U
Endrin	33	U	33.1	32.9	31.2	J D	30.0	J D
Endrin aldehyde	66	U	33.1	32.9	66	U	66	U
Endrin ketone	33	U	33.1	32.9	31.7	J D	32.7	J D
gamma-BHC (Lindane)	66	U	33.1	32.9	45.5	J D	37.3	J D
gamma-Chlordane	33	U	33.1	32.9	32.2	J D	32.8	J D
Heptachlor	66	U	33.1	32.9	66	U	66	U
Heptachlor epoxide	66	U	33.1	32.9	66	U J	66	U J
Methoxychlor	160	U	33.1	32.9	160	U	160	U

Method Reporting Limit Check - Batch: 240-66500 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66500/18	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112718.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/28/2012 0937	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00553	111	70 - 130	
4,4'-DDE	0.00500	0.00540	108	70 - 130	
4,4'-DDT	0.00500	0.00525	105	70 - 130	
Aldrin	0.00500	0.00544	109	70 - 130	
alpha-BHC	0.00500	0.00489	98	70 - 130	J
alpha-Chlordane	0.00500	0.00572	114	70 - 130	
beta-BHC	0.00500	0.00600	120	70 - 130	
delta-BHC	0.00500	0.00513	103	70 - 130	
Dieldrin	0.00500	0.00566	113	70 - 130	
Endosulfan I	0.00500	0.00594	119	70 - 130	
Endosulfan II	0.00500	0.00553	111	70 - 130	
Endosulfan sulfate	0.00500	0.00558	112	70 - 130	
Endrin	0.00500	0.00567	113	70 - 130	
Endrin aldehyde	0.00500	0.00590	118	70 - 130	
Endrin ketone	0.00500	0.00556	111	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00534	107	70 - 130	
gamma-Chlordane	0.00500	0.00555	111	70 - 130	
Heptachlor	0.00500	0.00585	117	70 - 130	
Heptachlor epoxide	0.00500	0.00577	115	70 - 130	
Methoxychlor	0.00500	0.00557	111	70 - 130	J

Method Reporting Limit Check - Batch: 240-66500 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66500/18	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112718.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/28/2012 0937	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00526	105	70 - 130	
4,4'-DDE	0.00500	0.00524	105	70 - 130	
4,4'-DDT	0.00500	0.00507	101	70 - 130	
Aldrin	0.00500	0.00539	108	70 - 130	
alpha-BHC	0.00500	0.00519	104	70 - 130	
alpha-Chlordane	0.00500	0.00551	110	70 - 130	
beta-BHC	0.00500	0.00573	115	70 - 130	
delta-BHC	0.00500	0.00523	105	70 - 130	
Dieldrin	0.00500	0.00537	107	70 - 130	
Endosulfan I	0.00500	0.00567	113	70 - 130	
Endosulfan II	0.00500	0.00564	113	70 - 130	
Endosulfan sulfate	0.00500	0.00563	113	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-66500 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66500/18	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112718.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/28/2012 0937	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00500	0.00563	113	70 - 130	
Endrin aldehyde	0.00500	0.00557	111	70 - 130	
Endrin ketone	0.00500	0.00559	112	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00534	107	70 - 130	
gamma-Chlordane	0.00500	0.00546	109	70 - 130	
Heptachlor	0.00500	0.00566	113	70 - 130	
Heptachlor epoxide	0.00500	0.00561	112	70 - 130	
Methoxychlor	0.00500	0.00551	110	70 - 130	J

Method Reporting Limit Check - Batch: 240-66500 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66500/56	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112756.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 0303	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00575	115	70 - 130	
4,4'-DDE	0.00500	0.00593	119	70 - 130	
4,4'-DDT	0.00500	0.00514	103	70 - 130	
Aldrin	0.00500	0.00657	131	70 - 130	^
alpha-BHC	0.00500	0.00591	118	70 - 130	
alpha-Chlordane	0.00500	0.00631	126	70 - 130	
beta-BHC	0.00500	0.00667	133	70 - 130	^
delta-BHC	0.00500	0.00566	113	70 - 130	
Dieldrin	0.00500	0.00606	121	70 - 130	
Endosulfan I	0.00500	0.00611	122	70 - 130	
Endosulfan II	0.00500	0.00575	115	70 - 130	
Endosulfan sulfate	0.00500	0.00599	120	70 - 130	
Endrin	0.00500	0.00564	113	70 - 130	
Endrin aldehyde	0.00500	0.00586	117	70 - 130	
Endrin ketone	0.00500	0.00580	116	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00579	116	70 - 130	
gamma-Chlordane	0.00500	0.00623	125	70 - 130	
Heptachlor	0.00500	0.00576	115	70 - 130	
Heptachlor epoxide	0.00500	0.00635	127	70 - 130	
Methoxychlor	0.00500	0.00580	116	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-66500

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-66500/56	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112756.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 0303	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00578	116	70 - 130	
4,4'-DDE	0.00500	0.00608	122	70 - 130	
4,4'-DDT	0.00500	0.00510	102	70 - 130	
Aldrin	0.00500	0.00666	133	70 - 130	^
alpha-BHC	0.00500	0.00640	128	70 - 130	
alpha-Chlordane	0.00500	0.00636	127	70 - 130	
beta-BHC	0.00500	0.00652	130	70 - 130	
delta-BHC	0.00500	0.00596	119	70 - 130	
Dieldrin	0.00500	0.00605	121	70 - 130	
Endosulfan I	0.00500	0.00611	122	70 - 130	
Endosulfan II	0.00500	0.00597	119	70 - 130	
Endosulfan sulfate	0.00500	0.00629	126	70 - 130	
Endrin	0.00500	0.00582	116	70 - 130	
Endrin aldehyde	0.00500	0.00582	116	70 - 130	
Endrin ketone	0.00500	0.00611	122	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00607	121	70 - 130	
gamma-Chlordane	0.00500	0.00626	125	70 - 130	
Heptachlor	0.00500	0.00570	114	70 - 130	
Heptachlor epoxide	0.00500	0.00633	127	70 - 130	
Methoxychlor	0.00500	0.00591	118	70 - 130	J

Method Reporting Limit Check - Batch: 240-66829 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66829/8	Analysis Batch:	240-66829	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112908.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 1802	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00541	108	70 - 130	
4,4'-DDE	0.00500	0.00531	106	70 - 130	
4,4'-DDT	0.00500	0.00482	96	70 - 130	J
Aldrin	0.00500	0.00527	105	70 - 130	
alpha-BHC	0.00500	0.00482	96	70 - 130	J
alpha-Chlordane	0.00500	0.00543	109	70 - 130	
beta-BHC	0.00500	0.00584	117	70 - 130	
delta-BHC	0.00500	0.00462	92	70 - 130	J
Dieldrin	0.00500	0.00548	110	70 - 130	
Endosulfan I	0.00500	0.00575	115	70 - 130	
Endosulfan II	0.00500	0.00541	108	70 - 130	
Endosulfan sulfate	0.00500	0.00525	105	70 - 130	
Endrin	0.00500	0.00550	110	70 - 130	
Endrin aldehyde	0.00500	0.00588	118	70 - 130	
Endrin ketone	0.00500	0.00573	115	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00513	103	70 - 130	
gamma-Chlordane	0.00500	0.00542	108	70 - 130	
Heptachlor	0.00500	0.00581	116	70 - 130	
Heptachlor epoxide	0.00500	0.00562	112	70 - 130	
Methoxychlor	0.00500	0.00537	107	70 - 130	J

Method Reporting Limit Check - Batch: 240-66829 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66829/8	Analysis Batch:	240-66829	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112908.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 1802	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00530	106	70 - 130	
4,4'-DDE	0.00500	0.00541	108	70 - 130	
4,4'-DDT	0.00500	0.00471	94	70 - 130	J
Aldrin	0.00500	0.00541	108	70 - 130	
alpha-BHC	0.00500	0.00513	103	70 - 130	
alpha-Chlordane	0.00500	0.00547	109	70 - 130	
beta-BHC	0.00500	0.00557	111	70 - 130	
delta-BHC	0.00500	0.00471	94	70 - 130	J
Dieldrin	0.00500	0.00542	108	70 - 130	
Endosulfan I	0.00500	0.00564	113	70 - 130	
Endosulfan II	0.00500	0.00584	117	70 - 130	
Endosulfan sulfate	0.00500	0.00535	107	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-66829 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66829/8	Analysis Batch:	240-66829	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112908.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 1802	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00500	0.00561	112	70 - 130	
Endrin aldehyde	0.00500	0.00571	114	70 - 130	
Endrin ketone	0.00500	0.00580	116	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00521	104	70 - 130	
gamma-Chlordane	0.00500	0.00538	108	70 - 130	
Heptachlor	0.00500	0.00557	111	70 - 130	
Heptachlor epoxide	0.00500	0.00558	112	70 - 130	
Methoxychlor	0.00500	0.00539	108	70 - 130	J

Method Reporting Limit Check - Batch: 240-66829 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66829/18	Analysis Batch:	240-66829	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112918.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 2231	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00605	121	70 - 130	
4,4'-DDE	0.00500	0.00595	119	70 - 130	
4,4'-DDT	0.00500	0.00454	91	70 - 130	J
Aldrin	0.00500	0.00621	124	70 - 130	
alpha-BHC	0.00500	0.00569	114	70 - 130	
alpha-Chlordane	0.00500	0.00660	132	70 - 130	^
beta-BHC	0.00500	0.00685	137	70 - 130	^
delta-BHC	0.00500	0.00603	121	70 - 130	
Dieldrin	0.00500	0.00624	125	70 - 130	
Endosulfan I	0.00500	0.00666	133	70 - 130	^
Endosulfan II	0.00500	0.00605	121	70 - 130	
Endosulfan sulfate	0.00500	0.00560	112	70 - 130	
Endrin	0.00500	0.00621	124	70 - 130	
Endrin aldehyde	0.00500	0.00575	115	70 - 130	
Endrin ketone	0.00500	0.00509	102	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00541	108	70 - 130	
gamma-Chlordane	0.00500	0.00617	123	70 - 130	
Heptachlor	0.00500	0.00593	119	70 - 130	
Heptachlor epoxide	0.00500	0.00676	135	70 - 130	^
Methoxychlor	0.00500	0.00476	95	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-66829

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-66829/18	Analysis Batch:	240-66829	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112918.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 2231	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00632	126	70 - 130	
4,4'-DDE	0.00500	0.00628	126	70 - 130	
4,4'-DDT	0.00500	0.00467	93	70 - 130	J
Aldrin	0.00500	0.00644	129	70 - 130	
alpha-BHC	0.00500	0.00612	122	70 - 130	
alpha-Chlordane	0.00500	0.00651	130	70 - 130	
beta-BHC	0.00500	0.00666	133	70 - 130	^
delta-BHC	0.00500	0.00620	124	70 - 130	
Dieldrin	0.00500	0.00656	131	70 - 130	^
Endosulfan I	0.00500	0.00678	136	70 - 130	^
Endosulfan II	0.00500	0.00616	123	70 - 130	
Endosulfan sulfate	0.00500	0.00582	116	70 - 130	
Endrin	0.00500	0.00660	132	70 - 130	^
Endrin aldehyde	0.00500	0.00569	114	70 - 130	
Endrin ketone	0.00500	0.00536	107	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00558	112	70 - 130	
gamma-Chlordane	0.00500	0.00630	126	70 - 130	
Heptachlor	0.00500	0.00589	118	70 - 130	
Heptachlor epoxide	0.00500	0.00683	137	70 - 130	^
Methoxychlor	0.00500	0.00525	105	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-64779

Method: 8082/DOD
Preparation: 3520C

Lab Sample ID:	MB 240-64779/13-A	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-64779	Lab File ID:	P1300016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/18/2012 1727	Units:	ug/L	Final Weight/Volume:	5.0 mL
Prep Date:	11/13/2012 0955			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	0.20	U	0.13	0.50
Aroclor-1016	0.20	U	0.17	0.50
Aroclor-1232	0.20	U	0.16	0.50
Aroclor-1242	0.40	U	0.22	0.50
Aroclor-1248	0.20	U	0.10	0.50
Aroclor-1254	0.20	U	0.16	0.50
Aroclor-1260	0.20	U	0.17	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	92	40 - 140
DCB Decachlorobiphenyl	90	40 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	88	40 - 140
DCB Decachlorobiphenyl	85	40 - 135

Lab Control Sample - Batch: 240-64779

Method: 8082/DOD
Preparation: 3520C

Lab Sample ID:	LCS 240-64779/14-A	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-64779	Lab File ID:	P1300024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/18/2012 1927	Units:	ug/L	Final Weight/Volume:	5.0 mL
Prep Date:	11/13/2012 0955			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	5.00	4.39	88	25 - 145	
Aroclor-1260	5.00	4.71	94	30 - 145	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	89	40 - 140
DCB Decachlorobiphenyl	92	40 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	76	40 - 140
DCB Decachlorobiphenyl	85	40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-64779

Method: 8082/DOD
Preparation: 3520C

MS Lab Sample ID:	240-17477-4	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-64779	Lab File ID:	P1300022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/18/2012 1857			Final Weight/Volume:	5.0 mL
Prep Date:	11/13/2012 0955			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-17477-4	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-64779	Lab File ID:	P1300023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	11/18/2012 1912			Final Weight/Volume:	5.0 mL
Prep Date:	11/13/2012 0955			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	95	95	25 - 145	0	30		
Aroclor-1260	96	92	30 - 145	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	96	95	40 - 140
DCB Decachlorobiphenyl	80	68	40 - 135

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	79	76	40 - 140
DCB Decachlorobiphenyl	75	62	40 - 135

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-64779

Method: 8082/DOD
Preparation: 3520C

MS Lab Sample ID:	240-17477-4	Units:	ug/L	MSD Lab Sample ID:	240-17477-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/18/2012 1857			Analysis Date:	11/18/2012 1912
Prep Date:	11/13/2012 0955			Prep Date:	11/13/2012 0955
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor-1016	0.19	U	4.76	4.76	4.52	4.53
Aroclor-1260	0.19	U	4.76	4.76	4.55	4.36

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-65363 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-65363/4	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/18/2012 1428	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0534	107	70 - 130	
Aroclor-1260	0.0500	0.0462	92	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	105	50 - 150
DCB Decachlorobiphenyl	111	50 - 150

Method Reporting Limit Check - Batch: 240-65363 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-65363/4	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/18/2012 1428	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0524	105	70 - 130	
Aroclor-1260	0.0500	0.0525	105	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	113	50 - 150
DCB Decachlorobiphenyl	109	50 - 150

Method Reporting Limit Check - Batch: 240-65363 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-65363/26	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/18/2012 1956	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0534	107	70 - 130	
Aroclor-1260	0.0500	0.0452	90	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	108	50 - 150
DCB Decachlorobiphenyl	112	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-65363

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-65363/26	Analysis Batch:	240-65363	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/18/2012 1956	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0686	137	70 - 130	^
Aroclor-1260	0.0500	0.0460	92	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	105	50 - 150
DCB Decachlorobiphenyl	107	50 - 150

Method Blank - Batch: 240-65753

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-65753/23-A	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-65753	Lab File ID:	P1300018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/27/2012 0550	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/20/2012 1106			Injection Volume:	1 1/cm
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	25	U	16	50
Aroclor-1016	25	U	21	65
Aroclor-1232	25	U	14	45
Aroclor-1242	25	U	13	40
Aroclor-1248	25	U	17	55
Aroclor-1254	25	U	17	55
Aroclor-1260	25	U	17	55

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	79	40 - 140
DCB Decachlorobiphenyl	80	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	72	40 - 140
DCB Decachlorobiphenyl	82	60 - 125

Lab Control Sample - Batch: 240-65753

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-65753/24-A	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-65753	Lab File ID:	P1300029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/27/2012 0835	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/20/2012 1106			Injection Volume:	1 1/cm
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	254	76	40 - 140	
Aroclor-1260	333	286	86	60 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	61	40 - 140
DCB Decachlorobiphenyl	83	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	60	40 - 140
DCB Decachlorobiphenyl	84	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-65753

Method: 8082/DOD
Preparation: 3540C

MS Lab Sample ID:	240-17477-6	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-65753	Lab File ID:	P1300016.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	29.65 g
Analysis Date:	11/27/2012 0521			Final Weight/Volume:	10 mL
Prep Date:	11/20/2012 1106			Injection Volume:	1 1/cm
Leach Date:	11/12/2012 2200			Column ID:	PRIMARY

MSD Lab Sample ID:	240-17477-6	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-65753	Lab File ID:	P1300017.D
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	29.69 g
Analysis Date:	11/27/2012 0535			Final Weight/Volume:	10 mL
Prep Date:	11/20/2012 1106			Injection Volume:	1 1/cm
Leach Date:	11/12/2012 2200			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	66	75	40 - 140	13	30		
Aroclor-1260	67	78	60 - 130	15	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	64	71	40 - 140
DCB Decachlorobiphenyl	66	78	60 - 125

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	60	68	40 - 140
DCB Decachlorobiphenyl	60	70	60 - 125

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-65753

Method: 8082/DOD
Preparation: 3540C

MS Lab Sample ID:	240-17477-6	Units:	ug/Kg	MSD Lab Sample ID:	240-17477-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/27/2012 0521			Analysis Date:	11/27/2012 0535
Prep Date:	11/20/2012 1106			Prep Date:	11/20/2012 1106
Leach Date:	11/12/2012 2200			Leach Date:	11/12/2012 2200

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor-1016	25	U	337	337	223	253
Aroclor-1260	25	U	337	337	225	262

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-66323 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66323/3	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/27/2012 0207	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 1/cm
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0579	116	70 - 130	
Aroclor-1260	0.0500	0.0503	101	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	107	50 - 150
DCB Decachlorobiphenyl	117	50 - 150

Method Reporting Limit Check - Batch: 240-66323 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66323/3	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/27/2012 0207	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 1/cm
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0554	111	70 - 130	
Aroclor-1260	0.0500	0.0542	108	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	114	50 - 150
DCB Decachlorobiphenyl	113	50 - 150

Method Reporting Limit Check - Batch: 240-66323 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66323/31	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/27/2012 0904	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 1/cm
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0582	116	70 - 130	
Aroclor-1260	0.0500	0.0498	100	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	108	50 - 150
DCB Decachlorobiphenyl	112	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 240-66323

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-66323/31	Analysis Batch:	240-66323	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/27/2012 0904	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 1/cm
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0560	112	70 - 130	
Aroclor-1260	0.0500	0.0494	99	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	118	50 - 150
DCB Decachlorobiphenyl	109	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 320-6242

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	MB 320-6242/1-A	Analysis Batch:	320-6611	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-6242	Lab File ID:	320-0001600-011-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	11/29/2012 1724	Units:	mg/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	11/21/2012 1438			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitroguanidine	0.040	U	0.020	0.25

Lab Control Sample - Batch: 320-6242

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	LCS 320-6242/2-A	Analysis Batch:	320-6611	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-6242	Lab File ID:	320-0001600-012-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	11/29/2012 1738	Units:	mg/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	11/21/2012 1438			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitroguanidine	1.00	0.978	98	72 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6242

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

MS Lab Sample ID:	240-17477-6	Analysis Batch:	320-6611	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-6242	Lab File ID:	320-0001600-014-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.96 g
Analysis Date:	11/29/2012 1807			Final Weight/Volume:	10.00 mL
Prep Date:	11/21/2012 1438			Injection Volume:	50 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-17477-6	Analysis Batch:	320-6611	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-6242	Lab File ID:	320-0001600-016-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.03 g
Analysis Date:	11/29/2012 1836			Final Weight/Volume:	10.00 mL
Prep Date:	11/21/2012 1438			Injection Volume:	50 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitroguanidine	76	75	72 - 121	5	20		

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6242

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

MS Lab Sample ID:	240-17477-6	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	11/29/2012 1807		
Prep Date:	11/21/2012 1438		
Leach Date:	N/A		

MSD Lab Sample ID:	240-17477-6
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	11/29/2012 1836
Prep Date:	11/21/2012 1438
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitroguanidine	0.039	U	1.02	0.985	0.776	0.740

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 320-6245

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 320-6245/1-A	Analysis Batch:	320-6640	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-6245	Lab File ID:	ZD000038.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	12/01/2012 1113	Units:	mg/Kg	Final Weight/Volume:	80.00 mL
Prep Date:	11/21/2012 1509			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2-Amino-4,6-dinitrotoluene	0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene	0.050	U	0.010	0.25
1,3-Dinitrobenzene	0.050	U	0.0042	0.25
2,4-Dinitrotoluene	0.050	U	0.0053	0.25
2,6-Dinitrotoluene	0.050	U	0.0073	0.25
HMX	0.050	U	0.012	0.25
Nitrobenzene	0.050	U	0.018	0.25
Nitroglycerin	0.25	U	0.015	0.50
2-Nitrotoluene	0.050	U	0.013	0.25
3-Nitrotoluene	0.050	U	0.016	0.25
4-Nitrotoluene	0.050	U	0.018	0.25
PETN	0.25	U	0.025	0.50
RDX	0.050	U	0.012	0.25
Tetryl	0.050	U	0.010	0.25
1,3,5-Trinitrobenzene	0.050	U	0.010	0.25
2,4,6-Trinitrotoluene	0.050	U	0.019	0.25

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	94	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 320-6245

Method: 8330B
Preparation: 8330B

Lab Sample ID:	LCS 320-6245/2-A	Analysis Batch:	320-6640	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-6245	Lab File ID:	ZD000039.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	12/01/2012 1153	Units:	mg/Kg	Final Weight/Volume:	80.00 mL
Prep Date:	11/21/2012 1509			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Amino-4,6-dinitrotoluene	0.500	0.495	99	79 - 119	
4-Amino-2,6-dinitrotoluene	0.500	0.512	102	81 - 121	
1,3-Dinitrobenzene	0.500	0.508	102	81 - 121	
2,4-Dinitrotoluene	0.500	0.498	100	79 - 119	
2,6-Dinitrotoluene	0.500	0.486	97	79 - 119	
HMX	0.500	0.507	101	80 - 120	
Nitrobenzene	0.500	0.499	100	80 - 120	
Nitroglycerin	1.00	0.968	97	76 - 116	
2-Nitrotoluene	0.500	0.465	93	78 - 118	
3-Nitrotoluene	0.500	0.478	96	77 - 117	
4-Nitrotoluene	0.500	0.472	94	78 - 118	
PETN	1.00	0.948	95	76 - 116	
RDX	0.500	0.497	99	82 - 122	
Tetryl	0.500	0.417	83	63 - 120	
1,3,5-Trinitrobenzene	0.500	0.510	102	81 - 121	
2,4,6-Trinitrotoluene	0.500	0.417	83	65 - 105	

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	96	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6245

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-17477-6	Analysis Batch:	320-6640	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-6245	Lab File ID:	ZD000041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	12/01/2012 1313			Final Weight/Volume:	80.00 mL
Prep Date:	11/21/2012 1509			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-17477-6	Analysis Batch:	320-6640	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-6245	Lab File ID:	ZD000042.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.07 g
Analysis Date:	12/01/2012 1353			Final Weight/Volume:	80.00 mL
Prep Date:	11/21/2012 1509			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Amino-4,6-dinitrotoluene	94	95	79 - 119	0	20		
4-Amino-2,6-dinitrotoluene	98	101	81 - 121	2	20		
1,3-Dinitrobenzene	100	99	81 - 121	1	20		
2,4-Dinitrotoluene	97	97	79 - 119	0	20		
2,6-Dinitrotoluene	96	97	79 - 119	1	20		
HMX	99	99	80 - 120	0	20		
Nitrobenzene	97	99	80 - 120	2	20		
Nitroglycerin	96	94	76 - 116	3	20		
2-Nitrotoluene	94	93	78 - 118	1	20		
3-Nitrotoluene	95	97	77 - 117	2	20		
4-Nitrotoluene	92	94	78 - 118	2	20		
PETN	96	100	76 - 116	4	20		
RDX	95	96	82 - 122	1	20		
Tetryl	80	83	63 - 120	3	20		
1,3,5-Trinitrobenzene	98	99	81 - 121	0	20		
2,4,6-Trinitrotoluene	80	82	65 - 105	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
3,4-Dinitrotoluene	92	93	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6245

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-17477-6	Units:	mg/Kg	MSD Lab Sample ID:	240-17477-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/01/2012 1313			Analysis Date:	12/01/2012 1353
Prep Date:	11/21/2012 1509			Prep Date:	11/21/2012 1509
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
2-Amino-4,6-dinitrotoluene	0.050	U	0.500	0.497	0.472	0.474
4-Amino-2,6-dinitrotoluene	0.050	U	0.500	0.497	0.489	0.500
1,3-Dinitrobenzene	0.050	U	0.500	0.497	0.500	0.494
2,4-Dinitrotoluene	0.050	U	0.500	0.497	0.484	0.483
2,6-Dinitrotoluene	0.050	U	0.500	0.497	0.478	0.481
HMX	0.050	U	0.500	0.497	0.494	0.492
Nitrobenzene	0.050	U	0.500	0.497	0.484	0.492
Nitroglycerin	0.25	U	1.00	0.993	0.964	0.937
2-Nitrotoluene	0.050	U	0.500	0.497	0.468	0.464
3-Nitrotoluene	0.050	U	0.500	0.497	0.475	0.483
4-Nitrotoluene	0.050	U	0.500	0.497	0.459	0.467
PETN	0.25	U	1.00	0.993	0.956	0.991
RDX	0.050	U	0.500	0.497	0.473	0.476
Tetryl	0.050	U	0.500	0.497	0.401	0.411
1,3,5-Trinitrobenzene	0.050	U	0.500	0.497	0.492	0.490
2,4,6-Trinitrotoluene	0.050	U	0.500	0.497	0.401	0.407

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-65198

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	MB 240-65198/1-A	Analysis Batch:	240-66205	Instrument ID:	I8
Client Matrix:	Solid	Prep Batch:	240-65198	Lab File ID:	I8112312A.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	11/23/2012 1510	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1219				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Aluminum	4.0	U	2.5	10
Antimony	0.15	U	0.062	0.20
Arsenic	0.15	U	0.052	0.50
Barium	0.30	U	0.13	0.50
Beryllium	0.010	U	0.0035	0.10
Cadmium	0.010	U	0.0031	0.20
Calcium	100	U	40	200
Chromium	0.45	U	0.16	0.50
Cobalt	0.015	U	0.0045	0.10
Copper	0.30	U	0.11	0.40
Iron	30	U	11	50
Lead	0.20	U	0.071	0.30
Magnesium	25	U	8.9	100
Manganese	0.40	U	0.16	0.50
Nickel	0.25	U	0.086	0.50
Potassium	4.92	J	3.8	100
Selenium	0.060	U	0.021	0.50
Silver	0.050	U	0.016	0.10
Sodium	40	U	14	100
Thallium	0.15	U	0.056	0.20
Vanadium	0.10	U	0.043	0.50
Zinc	2.0	U	1.0	4.0

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-65198

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	LCS 240-65198/2-A	Analysis Batch:	240-66205	Instrument ID:	I8
Client Matrix:	Solid	Prep Batch:	240-65198	Lab File ID:	I8112312A.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	11/23/2012 1515	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1219				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	1000	936	94	80 - 120	
Antimony	10.0	9.31	93	68 - 113	
Arsenic	100	86.3	86	73 - 110	
Barium	100	93.6	94	70 - 110	
Beryllium	100	93.4	93	79 - 110	
Cadmium	100	97.4	97	74 - 110	
Calcium	1000	902	90	80 - 120	
Chromium	100	93.0	93	70 - 110	
Cobalt	100	91.9	92	74 - 110	
Copper	100	94.5	95	73 - 110	
Iron	1000	984	98	80 - 120	
Lead	100	91.9	92	75 - 110	
Magnesium	1000	986	99	80 - 120	
Manganese	100	94.5	94	80 - 120	
Nickel	100	93.4	93	75 - 110	
Potassium	1000	966	97	80 - 120	
Selenium	100	85.5	85	65 - 110	
Silver	10.0	10.2	102	60 - 114	
Sodium	1000	994	99	80 - 120	
Thallium	25.0	22.3	89	71 - 110	
Vanadium	100	89.0	89	72 - 110	
Zinc	100	93.3	93	72 - 113	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike - Batch: 240-65198

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-17477-6	Analysis Batch:	240-66205	Instrument ID:	I8
Client Matrix:	Solid	Prep Batch:	240-65198	Lab File ID:	I8112312A.csv
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	1.26 g
Analysis Date:	11/23/2012 1821	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1226				
Leach Date:	11/12/2012 2200				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7700		794	8450	91	70 - 130	4
Antimony	0.23		7.94	2.32	26	75 - 125	J
Arsenic	21		7.94	24.8	47	23 - 131	
Barium	60		7.94	63.6	46	10 - 199	4
Beryllium	0.53		7.94	7.26	85	58 - 112	
Cadmium	0.087	J	7.94	7.15	89	58 - 110	
Calcium	5500		794	5890	44	70 - 130	4
Chromium	20		7.94	27.1	90	10 - 199	
Cobalt	8.4		7.94	15.7	92	55 - 110	
Copper	11		7.94	17.2	81	10 - 199	
Iron	19000		794	21500	329	70 - 130	4
Lead	14		7.94	22.4	111	10 - 199	
Magnesium	2700		794	3150	58	70 - 130	J
Manganese	530		7.94	579	599	10 - 199	4
Nickel	23		7.94	29.7	80	10 - 176	
Potassium	870		794	1490	79	70 - 130	
Selenium	0.46		7.94	6.12	71	39 - 116	
Silver	0.053	J	7.94	7.38	92	75 - 125	
Sodium	52	J	794	793	93	70 - 130	
Thallium	0.13	J	7.94	7.35	91	82 - 110	
Vanadium	14		7.94	22.0	107	39 - 129	
Zinc	44		7.94	46.5	32	10 - 199	4

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Duplicate - Batch: 240-65198

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-17477-6	Analysis Batch:	240-66205	Instrument ID:	I8
Client Matrix:	Solid	Prep Batch:	240-65198	Lab File ID:	I8112312A.csv
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	1.26 g
Analysis Date:	11/23/2012 1816	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1226				
Leach Date:	11/12/2012 2200				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	7700		7570	2	20	
Antimony	0.23		0.245	8	20	
Arsenic	21		25.1	17	20	
Barium	60		57.2	5	20	
Beryllium	0.53		0.544	3	20	
Cadmium	0.087	J	0.0975	11	20	J
Calcium	5500		6310	13	20	
Chromium	20		18.8	6	20	
Cobalt	8.4		9.53	13	20	
Copper	11		11.1	2	20	
Iron	19000		21000	10	20	
Lead	14		15.6	14	20	
Magnesium	2700		2650	2	20	
Manganese	530		626	16	20	
Nickel	23		23.4	0.4	20	
Potassium	870		775	11	20	
Selenium	0.46		0.443	4	20	
Silver	0.053	J	0.0563	6	20	J
Sodium	52	J	49.1	6	20	J
Thallium	0.13	J	0.153	16	20	J
Vanadium	14		14.5	7	20	
Zinc	44		41.3	6	20	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-65311

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-65311/1-A	Analysis Batch:	240-68088	Instrument ID:	I8
Client Matrix:	Water	Prep Batch:	240-65311	Lab File ID:	I8121012A.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/10/2012 1054	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/16/2012 0908				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Aluminum	60	U	20	60
Antimony	0.50	U	0.21	2.0
Arsenic	1.0	U	0.44	5.0
Barium	4.0	U	1.6	5.0
Beryllium	0.50	U	0.50	1.0
Cadmium	0.40	U	0.40	2.0
Calcium	1000	U	540	2000
Chromium	1.5	U	0.53	2.0
Cobalt	0.20	U	0.20	1.0
Copper	4.0	U	1.4	4.0
Iron	100	U	44	150
Lead	0.50	U	0.20	1.0
Magnesium	300	U	120	1000
Manganese	3.0	U	1.1	5.0
Nickel	1.5	U	0.62	5.0
Potassium	20.7	J	16	1000
Selenium	0.50	U	0.20	5.0
Silver	0.25	U	0.080	1.0
Sodium	400	U	160	1000
Thallium	0.348	J	0.32	2.0
Vanadium	1.5	U	0.51	5.0
Zinc	10.4	J	8.8	40

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Control Sample - Batch: 240-65311

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-65311/2-A	Analysis Batch:	240-68088	Instrument ID:	I8
Client Matrix:	Water	Prep Batch:	240-65311	Lab File ID:	I8121012A.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/10/2012 1059	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/16/2012 0908				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10000	9160	92	80 - 120	
Antimony	100	92.0	92	80 - 120	
Arsenic	1000	933	93	80 - 120	
Barium	1000	927	93	80 - 120	
Beryllium	1000	944	94	80 - 120	
Cadmium	1000	973	97	80 - 120	
Calcium	10000	9590	96	80 - 120	
Chromium	1000	948	95	80 - 120	
Cobalt	1000	924	92	80 - 120	
Copper	1000	991	99	80 - 120	
Iron	10000	9160	92	80 - 120	
Lead	1000	953	95	80 - 120	
Magnesium	10000	9480	95	80 - 120	
Manganese	1000	980	98	80 - 120	
Nickel	1000	968	97	80 - 120	
Potassium	10000	9230	92	80 - 120	
Selenium	1000	938	94	80 - 120	
Silver	100	98.5	99	80 - 120	
Sodium	10000	9120	91	80 - 120	
Thallium	250	220	88	80 - 120	
Vanadium	1000	903	90	80 - 120	
Zinc	1000	1010	101	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike - Batch: 240-65311

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

Lab Sample ID:	240-17477-4	Analysis Batch:	240-68088	Instrument ID:	I8
Client Matrix:	Water	Prep Batch:	240-65311	Lab File ID:	I8121012A.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/10/2012 1148	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/16/2012 0908				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	320		10000	10400	101	63 - 128	
Antimony	1.0	J	100	98.3	97	44 - 153	
Arsenic	0.78	J	100	98.4	98	82 - 123	
Barium	34		100	132	97	45 - 144	
Beryllium	0.50	U	100	98.0	98	77 - 124	
Cadmium	0.40	U	100	102	102	78 - 117	
Calcium	31000		10000	42900	115	70 - 130	
Chromium	1.5	U	100	98.6	99	72 - 110	
Cobalt	0.31	J	100	98.3	98	67 - 114	
Copper	1.6	J	100	101	100	60 - 123	
Iron	1300		10000	11300	100	22 - 169	
Lead	0.59	J	100	105	105	73 - 115	
Magnesium	8300		10000	19400	110	70 - 130	
Manganese	330		100	445	116	10 - 172	
Nickel	0.90	J	100	101	100	72 - 111	
Potassium	1900		10000	12200	104	70 - 130	
Selenium	0.50	U	100	97.8	98	72 - 148	
Silver	0.093	J	100	103	103	10 - 139	
Sodium	3900		10000	14100	102	80 - 120	
Thallium	0.43	J	100	97.2	97	69 - 117	
Vanadium	0.72	J	100	96.3	96	70 - 112	
Zinc	12	J	100	105	93	49 - 156	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Duplicate - Batch: 240-65311

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

Lab Sample ID:	240-17477-4	Analysis Batch:	240-68088	Instrument ID:	I8
Client Matrix:	Water	Prep Batch:	240-65311	Lab File ID:	I8121012A.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/10/2012 1143	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/16/2012 0908				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	320		319	0.6	20	
Antimony	1.0	J	0.384	91	20	J
Arsenic	0.78	J	0.734	6	20	J
Barium	34		36.1	5	20	
Beryllium	0.50	U	0.50	NC	20	U
Cadmium	0.40	U	0.40	NC	20	U
Calcium	31000		33800	7	20	
Chromium	1.5	U	1.5	NC	20	U
Cobalt	0.31	J	0.233	27	20	J
Copper	1.6	J	4.0	NC	20	U
Iron	1300		1330	4	20	
Lead	0.59	J	0.383	42	20	J
Magnesium	8300		8890	7	20	
Manganese	330		355	8	20	
Nickel	0.90	J	0.794	13	20	J
Potassium	1900		2040	8	20	
Selenium	0.50	U	0.50	NC	20	U
Silver	0.093	J	0.25	NC	20	U
Sodium	3900		4160	5	20	
Thallium	0.43	J	1.0	NC	20	U
Vanadium	0.72	J	0.646	11	20	J
Zinc	12	J	20	NC	20	U

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-66219

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	MB 240-66219/1-A	Analysis Batch:	240-66485	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-66219	Lab File ID:	112712A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1550	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 1525				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.20	U	0.12	0.20

Lab Control Sample - Batch: 240-66219

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	LCS 240-66219/2-A	Analysis Batch:	240-66485	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-66219	Lab File ID:	112712A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1557	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 1525				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	5.11	102	80 - 120	

Matrix Spike - Batch: 240-66219

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	240-17477-4	Analysis Batch:	240-66485	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-66219	Lab File ID:	112712A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1640	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 1525				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	1.00	0.972	97	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Duplicate - Batch: 240-66219

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	240-17477-4	Analysis Batch:	240-66485	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-66219	Lab File ID:	112712A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1616	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 1525				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC		U

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 240-65204

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-65204/1-A	Analysis Batch:	240-65450	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-65204	Lab File ID:	111612A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/16/2012 1859	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1440				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hg	0.0276	J	0.014	0.10

Lab Control Sample - Batch: 240-65204

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-65204/2-A	Analysis Batch:	240-65450	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-65204	Lab File ID:	111612A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/16/2012 1900	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1440				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.833	0.705	85	80 - 120	

Matrix Spike - Batch: 240-65204

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-17477-6	Analysis Batch:	240-65450	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-65204	Lab File ID:	111612A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	0.61 g
Analysis Date:	11/16/2012 1946	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1440				
Leach Date:	11/12/2012 2200				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.058	J	0.164	0.191	82	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Duplicate - Batch: 240-65204

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-17477-6	Analysis Batch:	240-65450	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-65204	Lab File ID:	111612A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65057	Initial Weight/Volume:	0.61 g
Analysis Date:	11/16/2012 1945	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/15/2012 1440				
Leach Date:	11/12/2012 2200				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Hg	0.058	J	0.0523	10		J

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Duplicate - Batch: 240-65100

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-17477-6	Analysis Batch:	240-65100	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/15/2012 0805	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	73	70	4	20	
Percent Moisture	27	30	9	20	

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Blank - Batch: 320-6824

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	MB 320-6800/1-B	Analysis Batch:	320-6863	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-6824	Lab File ID:	120412A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/04/2012 1412	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	12/04/2012 0705				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrocellulose	1.8	U	0.78	5.0

Lab Control Sample - Batch: 320-6824

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	LCS 320-6800/2-B	Analysis Batch:	320-6863	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-6824	Lab File ID:	120412A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/04/2012 1414	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	12/04/2012 0705				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	51.0	25.1	49	34 - 115	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6824

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

MS Lab Sample ID:	240-17477-6	Analysis Batch:	320-6863	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-6824	Lab File ID:	120412A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/04/2012 1458			Final Weight/Volume:	40 mL
Prep Date:	12/04/2012 0705				
Leach Date:	N/A				

MSD Lab Sample ID:	240-17477-6	Analysis Batch:	320-6863	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-6824	Lab File ID:	120412A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/04/2012 1500			Final Weight/Volume:	40 mL
Prep Date:	12/04/2012 0705				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrocellulose	48	46	34 - 115	2	71		

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6824

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

MS Lab Sample ID:	240-17477-6	Units:	mg/Kg	MSD Lab Sample ID:	240-17477-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/04/2012 1458			Analysis Date:	12/04/2012 1500
Prep Date:	12/04/2012 0705			Prep Date:	12/04/2012 0705
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrocellulose	18	U	495	495	235	230

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Method Reporting Limit Check - Batch: 320-6863 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-6863/20	Analysis Batch:	320-6863	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	120412A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	12/04/2012 1422	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.424	1.0	109	70 - 130	U

Method Reporting Limit Check - Batch: 320-6863 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-6863/34	Analysis Batch:	320-6863	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	120412A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	12/04/2012 1450	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.424	1.0	107	70 - 130	U

Method Reporting Limit Check - Batch: 320-6863 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-6863/48	Analysis Batch:	320-6863	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	120412A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	12/04/2012 1518	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.424	1.0	113	70 - 130	U

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	^	Instrument related QC exceeds the control limits
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
GC/MS Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	^	Instrument related QC exceeds the control limits
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	H	Sample was prepped or analyzed beyond the specified holding time
	U	Undetected at the Limit of Detection.
GC Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	^	Instrument related QC exceeds the control limits
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Lab Section	Qualifier	Description
HPLC/IC		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	U	Undetected at the Limit of Detection.
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.

Client: Environmental Chemical Corp. Job Number: 240-17477-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-64831					
LCS 240-64831/4	Lab Control Sample	T	Water	8260B/DoD	
MB 240-64831/6	Method Blank	T	Water	8260B/DoD	
240-17477-8	079SS-0006-0001-TB	T	Water	8260B/DoD	
Prep Batch: 240-64955					
240-17477-6	079SS-0004M-0001-SO	T	Solid	5035	
240-17477-6MS	Matrix Spike	T	Solid	5035	
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	5035	
240-17477-7	079SS-0005M-0001-SO	T	Solid	5035	
Analysis Batch:240-65171					
LCS 240-65171/7	Lab Control Sample	T	Solid	8260B/DoD	
MB 240-65171/8	Method Blank	T	Solid	8260B/DoD	
240-17477-6	079SS-0004M-0001-SO	T	Solid	8260B/DoD	240-64955
240-17477-6MS	Matrix Spike	T	Solid	8260B/DoD	240-64955
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	8260B/DoD	240-64955
Analysis Batch:240-65336					
LCS 240-65336/7	Lab Control Sample	T	Solid	8260B/DoD	
MB 240-65336/8	Method Blank	T	Solid	8260B/DoD	
240-17477-7	079SS-0005M-0001-SO	T	Solid	8260B/DoD	240-64955

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17477-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-64920					
LCS 240-64920/24-A	Lab Control Sample	T	Water	3520C	
MB 240-64920/23-A	Method Blank	T	Water	3520C	
240-17477-1	068SW-0013-0001-SW	T	Water	3520C	
240-17477-2	068SW-0014-0001-SW	T	Water	3520C	
240-17477-3	068SW-0015-0001-SW	T	Water	3520C	
240-17477-4	068SW-0016-0001-SW	T	Water	3520C	
240-17477-4MS	Matrix Spike	T	Water	3520C	
240-17477-4MSD	Matrix Spike Duplicate	T	Water	3520C	
Prep Batch: 240-65057					
240-17477-6	079SS-0004M-0001-SO	T	Solid	Increment, Prep	
240-17477-6RE	079SS-0004M-0001-SO	T	Solid	Increment, Prep	
240-17477-6MS	Matrix Spike	T	Solid	Increment, Prep	
240-17477-6MSRE	Matrix Spike	T	Solid	Increment, Prep	
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-17477-6MSDRE	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-17477-7	079SS-0005M-0001-SO	T	Solid	Increment, Prep	
240-17477-7RE	079SS-0005M-0001-SO	T	Solid	Increment, Prep	
Analysis Batch:240-65294					
LCS 240-64920/24-A	Lab Control Sample	T	Water	8270C/DoD	240-64920
MB 240-64920/23-A	Method Blank	T	Water	8270C/DoD	240-64920
240-17477-1	068SW-0013-0001-SW	T	Water	8270C/DoD	240-64920
240-17477-2	068SW-0014-0001-SW	T	Water	8270C/DoD	240-64920
240-17477-3	068SW-0015-0001-SW	T	Water	8270C/DoD	240-64920
240-17477-4	068SW-0016-0001-SW	T	Water	8270C/DoD	240-64920
240-17477-4MS	Matrix Spike	T	Water	8270C/DoD	240-64920
240-17477-4MSD	Matrix Spike Duplicate	T	Water	8270C/DoD	240-64920
Prep Batch: 240-65933					
LCS 240-65933/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-65933/23-A	Method Blank	T	Solid	3540C	
240-17477-6	079SS-0004M-0001-SO	T	Solid	3540C	240-65057
240-17477-6MS	Matrix Spike	T	Solid	3540C	240-65057
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	3540C	240-65057
240-17477-7	079SS-0005M-0001-SO	T	Solid	3540C	240-65057
Analysis Batch:240-67070					
LCS 240-65933/24-A	Lab Control Sample	T	Solid	8270C/DoD	240-65933
MB 240-65933/23-A	Method Blank	T	Solid	8270C/DoD	240-65933
240-17477-6	079SS-0004M-0001-SO	T	Solid	8270C/DoD	240-65933
240-17477-6MS	Matrix Spike	T	Solid	8270C/DoD	240-65933
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	8270C/DoD	240-65933
240-17477-7	079SS-0005M-0001-SO	T	Solid	8270C/DoD	240-65933

Client: Environmental Chemical Corp. Job Number: 240-17477-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-67436					
LCS 240-67436/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-67436/23-A	Method Blank	T	Solid	3540C	
240-17477-6RE	079SS-0004M-0001-SO	T	Solid	3540C	240-65057
240-17477-6MSRE	Matrix Spike	T	Solid	3540C	240-65057
240-17477-6MSDRE	Matrix Spike Duplicate	T	Solid	3540C	240-65057
240-17477-7RE	079SS-0005M-0001-SO	T	Solid	3540C	240-65057
Analysis Batch:240-67729					
LCS 240-67436/24-A	Lab Control Sample	T	Solid	8270C/DoD	240-67436
MB 240-67436/23-A	Method Blank	T	Solid	8270C/DoD	240-67436
240-17477-6RE	079SS-0004M-0001-SO	T	Solid	8270C/DoD	240-67436
240-17477-6MSRE	Matrix Spike	T	Solid	8270C/DoD	240-67436
240-17477-6MSDRE	Matrix Spike Duplicate	T	Solid	8270C/DoD	240-67436
240-17477-7RE	079SS-0005M-0001-SO	T	Solid	8270C/DoD	240-67436

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17477-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-64779					
LCS 240-64779/14-A	Lab Control Sample	T	Water	3520C	
MB 240-64779/13-A	Method Blank	T	Water	3520C	
240-17477-1	068SW-0013-0001-SW	T	Water	3520C	
240-17477-2	068SW-0014-0001-SW	T	Water	3520C	
240-17477-3	068SW-0015-0001-SW	T	Water	3520C	
240-17477-4	068SW-0016-0001-SW	T	Water	3520C	
240-17477-4MS	Matrix Spike	T	Water	3520C	
240-17477-4MSD	Matrix Spike Duplicate	T	Water	3520C	
Prep Batch: 240-65057					
240-17477-6	079SS-0004M-0001-SO	T	Solid	Increment, Prep	
240-17477-6MS	Matrix Spike	T	Solid	Increment, Prep	
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-17477-7	079SS-0005M-0001-SO	T	Solid	Increment, Prep	
Analysis Batch:240-65363					
LCS 240-64779/14-A	Lab Control Sample	T	Water	8082/DOD	240-64779
MB 240-64779/13-A	Method Blank	T	Water	8082/DOD	240-64779
240-17477-1	068SW-0013-0001-SW	T	Water	8082/DOD	240-64779
240-17477-2	068SW-0014-0001-SW	T	Water	8082/DOD	240-64779
240-17477-3	068SW-0015-0001-SW	T	Water	8082/DOD	240-64779
240-17477-4	068SW-0016-0001-SW	T	Water	8082/DOD	240-64779
240-17477-4MS	Matrix Spike	T	Water	8082/DOD	240-64779
240-17477-4MSD	Matrix Spike Duplicate	T	Water	8082/DOD	240-64779
Prep Batch: 240-65753					
LCS 240-65753/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-65753/23-A	Method Blank	T	Solid	3540C	
240-17477-6	079SS-0004M-0001-SO	T	Solid	3540C	240-65057
240-17477-6MS	Matrix Spike	T	Solid	3540C	240-65057
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	3540C	240-65057
240-17477-7	079SS-0005M-0001-SO	T	Solid	3540C	240-65057
Prep Batch: 240-65759					
LCS 240-65759/18-A	Lab Control Sample	T	Solid	3540C	
MB 240-65759/17-A	Method Blank	T	Solid	3540C	
240-17477-6	079SS-0004M-0001-SO	T	Solid	3540C	240-65057
240-17477-6MS	Matrix Spike	T	Solid	3540C	240-65057
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	3540C	240-65057
240-17477-7	079SS-0005M-0001-SO	T	Solid	3540C	240-65057

Client: Environmental Chemical Corp. Job Number: 240-17477-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-66323					
LCS 240-65753/24-A	Lab Control Sample	T	Solid	8082/DOD	240-65753
MB 240-65753/23-A	Method Blank	T	Solid	8082/DOD	240-65753
240-17477-6	079SS-0004M-0001-SO	T	Solid	8082/DOD	240-65753
240-17477-6MS	Matrix Spike	T	Solid	8082/DOD	240-65753
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	8082/DOD	240-65753
240-17477-7	079SS-0005M-0001-SO	T	Solid	8082/DOD	240-65753
Analysis Batch:240-66500					
LCS 240-65759/18-A	Lab Control Sample	T	Solid	8081/DOD	240-65759
MB 240-65759/17-A	Method Blank	T	Solid	8081/DOD	240-65759
240-17477-7	079SS-0005M-0001-SO	T	Solid	8081/DOD	240-65759
Analysis Batch:240-66829					
240-17477-6	079SS-0004M-0001-SO	T	Solid	8081/DOD	240-65759
240-17477-6MS	Matrix Spike	T	Solid	8081/DOD	240-65759
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	8081/DOD	240-65759

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17477-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-65057					
240-17477-5	079SS-0003M-0001-SO	T	Solid	Increment, Prep	
240-17477-6	079SS-0004M-0001-SO	T	Solid	Increment, Prep	
240-17477-6DU	Duplicate	T	Solid	Increment, Prep	
240-17477-6MS	Matrix Spike	T	Solid	Increment, Prep	
240-17477-7	079SS-0005M-0001-SO	T	Solid	Increment, Prep	
Prep Batch: 240-65198					
LCS 240-65198/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-65198/1-A	Method Blank	T	Solid	3050B	
240-17477-5	079SS-0003M-0001-SO	T	Solid	3050B	240-65057
240-17477-6	079SS-0004M-0001-SO	T	Solid	3050B	240-65057
240-17477-6DU	Duplicate	T	Solid	3050B	240-65057
240-17477-6MS	Matrix Spike	T	Solid	3050B	240-65057
240-17477-7	079SS-0005M-0001-SO	T	Solid	3050B	240-65057
Prep Batch: 240-65204					
LCS 240-65204/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-65204/1-A	Method Blank	T	Solid	7471A	
240-17477-5	079SS-0003M-0001-SO	T	Solid	7471A	240-65057
240-17477-6	079SS-0004M-0001-SO	T	Solid	7471A	240-65057
240-17477-6DU	Duplicate	T	Solid	7471A	240-65057
240-17477-6MS	Matrix Spike	T	Solid	7471A	240-65057
240-17477-7	079SS-0005M-0001-SO	T	Solid	7471A	240-65057
Prep Batch: 240-65311					
LCS 240-65311/2-A	Lab Control Sample	R	Water	3005A	
MB 240-65311/1-A	Method Blank	R	Water	3005A	
240-17477-1	068SW-0013-0001-SW	R	Water	3005A	
240-17477-2	068SW-0014-0001-SW	R	Water	3005A	
240-17477-3	068SW-0015-0001-SW	R	Water	3005A	
240-17477-4	068SW-0016-0001-SW	R	Water	3005A	
240-17477-4DU	Duplicate	R	Water	3005A	
240-17477-4MS	Matrix Spike	R	Water	3005A	
Analysis Batch:240-65450					
LCS 240-65204/2-A	Lab Control Sample	T	Solid	7471/DOD	240-65204
MB 240-65204/1-A	Method Blank	T	Solid	7471/DOD	240-65204
240-17477-5	079SS-0003M-0001-SO	T	Solid	7471/DOD	240-65204
240-17477-6	079SS-0004M-0001-SO	T	Solid	7471/DOD	240-65204
240-17477-6DU	Duplicate	T	Solid	7471/DOD	240-65204
240-17477-6MS	Matrix Spike	T	Solid	7471/DOD	240-65204
240-17477-7	079SS-0005M-0001-SO	T	Solid	7471/DOD	240-65204

Client: Environmental Chemical Corp. Job Number: 240-17477-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-66205					
LCS 240-65198/2-A	Lab Control Sample	T	Solid	6020/DOD	240-65198
MB 240-65198/1-A	Method Blank	T	Solid	6020/DOD	240-65198
240-17477-5	079SS-0003M-0001-SO	T	Solid	6020/DOD	240-65198
240-17477-6	079SS-0004M-0001-SO	T	Solid	6020/DOD	240-65198
240-17477-6DU	Duplicate	T	Solid	6020/DOD	240-65198
240-17477-6MS	Matrix Spike	T	Solid	6020/DOD	240-65198
240-17477-7	079SS-0005M-0001-SO	T	Solid	6020/DOD	240-65198
Prep Batch: 240-66219					
LCS 240-66219/2-A	Lab Control Sample	T	Water	7470A	
MB 240-66219/1-A	Method Blank	T	Water	7470A	
240-17477-1	068SW-0013-0001-SW	T	Water	7470A	
240-17477-2	068SW-0014-0001-SW	T	Water	7470A	
240-17477-3	068SW-0015-0001-SW	T	Water	7470A	
240-17477-4	068SW-0016-0001-SW	T	Water	7470A	
240-17477-4DU	Duplicate	T	Water	7470A	
240-17477-4MS	Matrix Spike	T	Water	7470A	
Analysis Batch:240-66485					
LCS 240-66219/2-A	Lab Control Sample	T	Water	7470A/DOD	240-66219
MB 240-66219/1-A	Method Blank	T	Water	7470A/DOD	240-66219
240-17477-1	068SW-0013-0001-SW	T	Water	7470A/DOD	240-66219
240-17477-2	068SW-0014-0001-SW	T	Water	7470A/DOD	240-66219
240-17477-3	068SW-0015-0001-SW	T	Water	7470A/DOD	240-66219
240-17477-4	068SW-0016-0001-SW	T	Water	7470A/DOD	240-66219
240-17477-4DU	Duplicate	T	Water	7470A/DOD	240-66219
240-17477-4MS	Matrix Spike	T	Water	7470A/DOD	240-66219
Analysis Batch:240-68088					
LCS 240-65311/2-A	Lab Control Sample	R	Water	6020/DOD	240-65311
MB 240-65311/1-A	Method Blank	R	Water	6020/DOD	240-65311
240-17477-1	068SW-0013-0001-SW	R	Water	6020/DOD	240-65311
240-17477-2	068SW-0014-0001-SW	R	Water	6020/DOD	240-65311
240-17477-3	068SW-0015-0001-SW	R	Water	6020/DOD	240-65311
240-17477-4	068SW-0016-0001-SW	R	Water	6020/DOD	240-65311
240-17477-4DU	Duplicate	R	Water	6020/DOD	240-65311
240-17477-4MS	Matrix Spike	R	Water	6020/DOD	240-65311

Report Basis

R = Total Recoverable

T = Total

Client: Environmental Chemical Corp. Job Number: 240-17477-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 320-6824					
LCS 320-6800/2-B	Lab Control Sample	T	Solid	353 (NCell-Hyd)	
MB 320-6800/1-B	Method Blank	T	Solid	353 (NCell-Hyd)	
240-17477-6	079SS-0004M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17477-6MS	Matrix Spike	T	Solid	353 (NCell-Hyd)	
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	353 (NCell-Hyd)	
240-17477-7	079SS-0005M-0001-SO	T	Solid	353 (NCell-Hyd)	
Analysis Batch:320-6863					
LCS 320-6800/2-B	Lab Control Sample	T	Solid	WS-WC-0050	320-6824
MB 320-6800/1-B	Method Blank	T	Solid	WS-WC-0050	320-6824
240-17477-6	079SS-0004M-0001-SO	T	Solid	WS-WC-0050	320-6824
240-17477-6MS	Matrix Spike	T	Solid	WS-WC-0050	320-6824
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	WS-WC-0050	320-6824
240-17477-7	079SS-0005M-0001-SO	T	Solid	WS-WC-0050	320-6824
Analysis Batch:240-65100					
240-17477-5	079SS-0003M-0001-SO	T	Solid	Moisture	
240-17477-6	079SS-0004M-0001-SO	T	Solid	Moisture	
240-17477-6DU	Duplicate	T	Solid	Moisture	
240-17477-7	079SS-0005M-0001-SO	T	Solid	Moisture	

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17477-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 320-6242					
LCS 320-6242/2-A	Lab Control Sample	T	Solid	Sieve/Ultrasoni	
MB 320-6242/1-A	Method Blank	T	Solid	Sieve/Ultrasoni	
240-17477-6	079SS-0004M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17477-6MS	Matrix Spike	T	Solid	Sieve/Ultrasoni	
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	Sieve/Ultrasoni	
240-17477-7	079SS-0005M-0001-SO	T	Solid	Sieve/Ultrasoni	
Prep Batch: 320-6245					
LCS 320-6245/2-A	Lab Control Sample	T	Solid	8330B	
MB 320-6245/1-A	Method Blank	T	Solid	8330B	
240-17477-6	079SS-0004M-0001-SO	T	Solid	8330B	
240-17477-6MS	Matrix Spike	T	Solid	8330B	
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	8330B	
240-17477-7	079SS-0005M-0001-SO	T	Solid	8330B	
Analysis Batch:320-6611					
LCS 320-6242/2-A	Lab Control Sample	T	Solid	8330 Modified	320-6242
MB 320-6242/1-A	Method Blank	T	Solid	8330 Modified	320-6242
240-17477-6	079SS-0004M-0001-SO	T	Solid	8330 Modified	320-6242
240-17477-6MS	Matrix Spike	T	Solid	8330 Modified	320-6242
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	8330 Modified	320-6242
240-17477-7	079SS-0005M-0001-SO	T	Solid	8330 Modified	320-6242
Analysis Batch:320-6640					
LCS 320-6245/2-A	Lab Control Sample	T	Solid	8330B	320-6245
MB 320-6245/1-A	Method Blank	T	Solid	8330B	320-6245
240-17477-6	079SS-0004M-0001-SO	T	Solid	8330B	320-6245
240-17477-6MS	Matrix Spike	T	Solid	8330B	320-6245
240-17477-6MSD	Matrix Spike Duplicate	T	Solid	8330B	320-6245
240-17477-7	079SS-0005M-0001-SO	T	Solid	8330B	320-6245

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Laboratory Chronicle

Lab ID: 240-17477-1 **Client ID: 068SW-0013-0001-SW**

Sample Date/Time: 11/08/2012 14:00 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-17477-B-1-A		240-65294	240-64920	11/14/2012 08:33	1	TAL NC	SE
A:8270C/DoD	240-17477-B-1-A		240-65294	240-64920	11/16/2012 13:11	1	TAL NC	MU
P:3520C	240-17477-C-1-A		240-65363	240-64779	11/13/2012 09:55	1	TAL NC	SE
A:8082/DOD	240-17477-C-1-A		240-65363	240-64779	11/18/2012 17:57	1	TAL NC	LH
P:3005A	240-17477-A-1-A		240-68088	240-65311	11/16/2012 09:08	1	TAL NC	LM
A:6020/DOD	240-17477-A-1-A		240-68088	240-65311	12/10/2012 12:19	1	TAL NC	NJT
P:7470A	240-17477-A-1-B		240-66485	240-66219	11/26/2012 15:25	1	TAL NC	SG
A:7470A/DOD	240-17477-A-1-B		240-66485	240-66219	11/27/2012 16:26	1	TAL NC	DH

Lab ID: 240-17477-2 **Client ID: 068SW-0014-0001-SW**

Sample Date/Time: 11/08/2012 13:25 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-17477-C-2-A		240-65294	240-64920	11/14/2012 08:33	1	TAL NC	SE
A:8270C/DoD	240-17477-C-2-A		240-65294	240-64920	11/16/2012 13:30	1	TAL NC	MU
P:3520C	240-17477-B-2-A		240-65363	240-64779	11/13/2012 09:55	1	TAL NC	SE
A:8082/DOD	240-17477-B-2-A		240-65363	240-64779	11/18/2012 18:12	1	TAL NC	LH
P:3005A	240-17477-A-2-A		240-68088	240-65311	11/16/2012 09:08	1	TAL NC	LM
A:6020/DOD	240-17477-A-2-A		240-68088	240-65311	12/10/2012 12:24	1	TAL NC	NJT
P:7470A	240-17477-A-2-B		240-66485	240-66219	11/26/2012 15:25	1	TAL NC	SG
A:7470A/DOD	240-17477-A-2-B		240-66485	240-66219	11/27/2012 16:19	1	TAL NC	DH

Lab ID: 240-17477-3 **Client ID: 068SW-0015-0001-SW**

Sample Date/Time: 11/08/2012 13:40 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-17477-B-3-A		240-65294	240-64920	11/14/2012 08:33	1	TAL NC	SE
A:8270C/DoD	240-17477-B-3-A		240-65294	240-64920	11/16/2012 13:49	1	TAL NC	MU
P:3520C	240-17477-C-3-A		240-65363	240-64779	11/13/2012 09:55	1	TAL NC	SE
A:8082/DOD	240-17477-C-3-A		240-65363	240-64779	11/18/2012 18:27	1	TAL NC	LH
P:3005A	240-17477-A-3-A		240-68088	240-65311	11/16/2012 09:08	1	TAL NC	LM
A:6020/DOD	240-17477-A-3-A		240-68088	240-65311	12/10/2012 12:29	1	TAL NC	NJT
P:7470A	240-17477-A-3-B		240-66485	240-66219	11/26/2012 15:25	1	TAL NC	SG
A:7470A/DOD	240-17477-A-3-B		240-66485	240-66219	11/27/2012 16:11	1	TAL NC	DH

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Laboratory Chronicle

Lab ID: 240-17477-4 **Client ID: 068SW-0016-0001-SW**

Sample Date/Time: 11/08/2012 13:25 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-17477-I-4-A		240-65294	240-64920	11/14/2012 08:33	1	TAL NC	SE
A:8270C/DoD	240-17477-I-4-A		240-65294	240-64920	11/16/2012 14:08	1	TAL NC	MU
P:3520C	240-17477-G-4-A		240-65363	240-64779	11/13/2012 09:55	1	TAL NC	SE
A:8082/DOD	240-17477-G-4-A		240-65363	240-64779	11/18/2012 18:42	1	TAL NC	LH
P:3005A	240-17477-A-4-A		240-68088	240-65311	11/16/2012 09:08	1	TAL NC	LM
A:6020/DOD	240-17477-A-4-A		240-68088	240-65311	12/10/2012 11:38	1	TAL NC	NJT
P:7470A	240-17477-B-4-A		240-66485	240-66219	11/26/2012 15:25	1	TAL NC	SG
A:7470A/DOD	240-17477-B-4-A		240-66485	240-66219	11/27/2012 16:09	1	TAL NC	DH

Lab ID: 240-17477-4 **Client ID: 068SW-0016-0001-SW**

Sample Date/Time: 11/08/2012 13:25 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-17477-H-4-A MS		240-65294	240-64920	11/14/2012 08:33	1	TAL NC	SE
A:8270C/DoD	240-17477-H-4-A MS		240-65294	240-64920	11/16/2012 14:27	1	TAL NC	MU
P:3520C	240-17477-F-4-A MS		240-65363	240-64779	11/13/2012 09:55	1	TAL NC	SE
A:8082/DOD	240-17477-F-4-A MS		240-65363	240-64779	11/18/2012 18:57	1	TAL NC	LH
P:3005A	240-17477-A-4-C MS		240-68088	240-65311	11/16/2012 09:08	1	TAL NC	LM
A:6020/DOD	240-17477-A-4-C MS		240-68088	240-65311	12/10/2012 11:48	1	TAL NC	NJT
P:7470A	240-17477-B-4-C MS		240-66485	240-66219	11/26/2012 15:25	1	TAL NC	SG
A:7470A/DOD	240-17477-B-4-C MS		240-66485	240-66219	11/27/2012 16:40	1	TAL NC	DH

Lab ID: 240-17477-4 **Client ID: 068SW-0016-0001-SW**

Sample Date/Time: 11/08/2012 13:25 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-17477-D-4-A MSD		240-65294	240-64920	11/14/2012 08:33	1	TAL NC	SE
A:8270C/DoD	240-17477-D-4-A MSD		240-65294	240-64920	11/16/2012 14:46	1	TAL NC	MU
P:3520C	240-17477-E-4-A MSD		240-65363	240-64779	11/13/2012 09:55	1	TAL NC	SE
A:8082/DOD	240-17477-E-4-A MSD		240-65363	240-64779	11/18/2012 19:12	1	TAL NC	LH

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Laboratory Chronicle

Lab ID: 240-17477-4 **Client ID: 068SW-0016-0001-SW**

Sample Date/Time: 11/08/2012 13:25 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	240-17477-A-4-B DU		240-68088	240-65311	11/16/2012 09:08	1	TAL NC	LM
A:6020/DOD	240-17477-A-4-B DU		240-68088	240-65311	12/10/2012 11:43	1	TAL NC	NJT
P:7470A	240-17477-B-4-B DU		240-66485	240-66219	11/26/2012 15:25	1	TAL NC	SG
A:7470A/DOD	240-17477-B-4-B DU		240-66485	240-66219	11/27/2012 16:16	1	TAL NC	DH

Lab ID: 240-17477-5 **Client ID: 079SS-0003M-0001-SO**

Sample Date/Time: 11/09/2012 12:10 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-17477-A-5-B		240-66205	240-65198	11/15/2012 12:19	1	TAL NC	SG
A:6020/DOD	240-17477-A-5-B		240-66205	240-65198	11/23/2012 17:54	1	TAL NC	NJT
P:7471A	240-17477-A-5-C		240-65450	240-65204	11/15/2012 14:40	1	TAL NC	SG
A:7471/DOD	240-17477-A-5-C		240-65450	240-65204	11/16/2012 19:42	1	TAL NC	DH
A:Moisture	240-17477-A-5		240-65100		11/15/2012 08:05	1	TAL NC	LG

Lab ID: 240-17477-6 **Client ID: 079SS-0004M-0001-SO**

Sample Date/Time: 11/09/2012 11:10 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17477-E-6-A		240-65171	240-64955	11/09/2012 20:15	1	TAL NC	LM
A:8260B/DoD	240-17477-E-6-A		240-65171	240-64955	11/15/2012 19:10	1	TAL NC	TL
P:3540C	240-17477-A-6-T		240-67070	240-65933	11/21/2012 11:36	1	TAL NC	AC
A:8270C/DoD	240-17477-A-6-T		240-67070	240-65933	12/03/2012 17:59	1	TAL NC	MU
P:3540C	240-17477-A-6-AO	RE	240-67729	240-67436	12/05/2012 10:50	1	TAL NC	BM
A:8270C/DoD	240-17477-A-6-AO	RE	240-67729	240-67436	12/07/2012 17:03	1	TAL NC	MU
P:3540C	240-17477-A-6-Q		240-66829	240-65759	11/20/2012 11:21	50	TAL NC	AC
A:8081/DOD	240-17477-A-6-Q		240-66829	240-65759	11/29/2012 18:30	50	TAL NC	CV
P:3540C	240-17477-A-6-N		240-66323	240-65753	11/20/2012 11:06	1	TAL NC	AC
A:8082/DOD	240-17477-A-6-N		240-66323	240-65753	11/27/2012 05:06	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17477-A-6-W		320-6611	320-6242	11/21/2012 14:38	1	TAL WSC	JR
A:8330 Modified	240-17477-A-6-W		320-6611	320-6242	11/29/2012 17:53	1	TAL WSC	RN
P:8330B	240-17477-O-6-A		320-6640	320-6245	11/21/2012 15:09	1	TAL WSC	JR
A:8330B	240-17477-O-6-A		320-6640	320-6245	12/01/2012 12:33	1	TAL WSC	RN
P:3050B	240-17477-A-6-E		240-66205	240-65198	11/15/2012 12:26	1	TAL NC	SG
A:6020/DOD	240-17477-A-6-E		240-66205	240-65198	11/23/2012 17:59	1	TAL NC	NJT
P:7471A	240-17477-A-6-H		240-65450	240-65204	11/15/2012 14:40	1	TAL NC	SG
A:7471/DOD	240-17477-A-6-H		240-65450	240-65204	11/16/2012 19:44	1	TAL NC	DH
A:Moisture	240-17477-K-6		240-65100		11/15/2012 08:05	1	TAL NC	LG
P:353 (NCell-Hyd)	240-17477-P-6-B		320-6863	320-6824	12/04/2012 07:05	1	TAL WSC	TP
A:WS-WC-0050	240-17477-P-6-B		320-6863	320-6824	12/04/2012 14:48	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Laboratory Chronicle

Lab ID: 240-17477-6 **Client ID:** 079SS-0004M-0001-SO

Sample Date/Time: 11/09/2012 11:10 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17477-G-6-A MS		240-65171	240-64955	11/09/2012 20:15	1	TAL NC	LM
A:8260B/DoD	240-17477-G-6-A MS		240-65171	240-64955	11/15/2012 19:31	1	TAL NC	TL
P:3540C	240-17477-A-6-U MS		240-67070	240-65933	11/21/2012 11:36	1	TAL NC	AC
A:8270C/DoD	240-17477-A-6-U MS		240-67070	240-65933	12/03/2012 18:24	1	TAL NC	MU
P:3540C	240-17477-A-6-AP MS	RE	240-67729	240-67436	12/05/2012 10:50	1	TAL NC	BM
A:8270C/DoD	240-17477-A-6-AP MS	RE	240-67729	240-67436	12/07/2012 17:28	1	TAL NC	MU
P:3540C	240-17477-A-6-R MS		240-66829	240-65759	11/20/2012 11:21	50	TAL NC	AC
A:8081/DOD	240-17477-A-6-R MS		240-66829	240-65759	11/29/2012 18:57	50	TAL NC	CV
P:3540C	240-17477-A-6-AR MS		240-66323	240-65753	11/20/2012 11:06	1	TAL NC	AC
A:8082/DOD	240-17477-A-6-AR MS		240-66323	240-65753	11/27/2012 05:21	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17477-A-6-X MS		320-6611	320-6242	11/21/2012 14:38	1	TAL WSC	JR
A:8330 Modified	240-17477-A-6-X MS		320-6611	320-6242	11/29/2012 18:07	1	TAL WSC	RN
P:8330B	240-17477-A-6-Z MS		320-6640	320-6245	11/21/2012 15:09	1	TAL WSC	JR
A:8330B	240-17477-A-6-Z MS		320-6640	320-6245	12/01/2012 13:13	1	TAL WSC	RN
P:3050B	240-17477-A-6-G MS		240-66205	240-65198	11/15/2012 12:26	1	TAL NC	SG
A:6020/DOD	240-17477-A-6-G MS		240-66205	240-65198	11/23/2012 18:21	1	TAL NC	NJT
P:7471A	240-17477-A-6-J MS		240-65450	240-65204	11/15/2012 14:40	1	TAL NC	SG
A:7471/DOD	240-17477-A-6-J MS		240-65450	240-65204	11/16/2012 19:46	1	TAL NC	DH
P:353 (NCell-Hyd)	240-17477-A-6-AM MS		320-6863	320-6824	12/04/2012 07:05	1	TAL WSC	TP
A:WS-WC-0050	240-17477-A-6-AM MS		320-6863	320-6824	12/04/2012 14:58	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Laboratory Chronicle

Lab ID: 240-17477-6 **Client ID: 079SS-0004M-0001-SO**

Sample Date/Time: 11/09/2012 11:10 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17477-I-6-A MSD		240-65171	240-64955	11/09/2012 20:15	1	TAL NC	LM
A:8260B/DoD	240-17477-I-6-A MSD		240-65171	240-64955	11/15/2012 19:53	1	TAL NC	TL
P:3540C	240-17477-A-6-V MSD		240-67070	240-65933	11/21/2012 11:36	1	TAL NC	AC
A:8270C/DoD	240-17477-A-6-V MSD		240-67070	240-65933	12/03/2012 18:50	1	TAL NC	MU
P:3540C	240-17477-A-6-AQ MSD	RE	240-67729	240-67436	12/05/2012 10:50	1	TAL NC	BM
A:8270C/DoD	240-17477-A-6-AQ MSD	RE	240-67729	240-67436	12/07/2012 17:53	1	TAL NC	MU
P:3540C	240-17477-A-6-S MSD		240-66829	240-65759	11/20/2012 11:21	50	TAL NC	AC
A:8081/DOD	240-17477-A-6-S MSD		240-66829	240-65759	11/29/2012 19:24	50	TAL NC	CV
P:3540C	240-17477-A-6-AS MSD		240-66323	240-65753	11/20/2012 11:06	1	TAL NC	AC
A:8082/DOD	240-17477-A-6-AS MSD		240-66323	240-65753	11/27/2012 05:35	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17477-A-6-Y MSD		320-6611	320-6242	11/21/2012 14:38	1	TAL WSC	JR
A:8330 Modified	240-17477-A-6-Y MSD		320-6611	320-6242	11/29/2012 18:36	1	TAL WSC	RN
P:8330B	240-17477-A-6-AA MSD		320-6640	320-6245	11/21/2012 15:09	1	TAL WSC	JR
A:8330B	240-17477-A-6-AA MSD		320-6640	320-6245	12/01/2012 13:53	1	TAL WSC	RN
P:353 (NCell-Hyd)	240-17477-A-6-AN MSD		320-6863	320-6824	12/04/2012 07:05	1	TAL WSC	TP
A:WS-WC-0050	240-17477-A-6-AN MSD		320-6863	320-6824	12/04/2012 15:00	1	TAL WSC	JB

Lab ID: 240-17477-6 **Client ID: 079SS-0004M-0001-SO**

Sample Date/Time: 11/09/2012 11:10 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-17477-A-6-L DU		240-66205	240-65198	11/15/2012 12:26	1	TAL NC	SG
A:6020/DOD	240-17477-A-6-L DU		240-66205	240-65198	11/23/2012 18:16	1	TAL NC	NJT
P:7471A	240-17477-A-6-M DU		240-65450	240-65204	11/15/2012 14:40	1	TAL NC	SG
A:7471/DOD	240-17477-A-6-M DU		240-65450	240-65204	11/16/2012 19:45	1	TAL NC	DH
A:Moisture	240-17477-J-6 DU		240-65100		11/15/2012 08:05	1	TAL NC	LG

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Laboratory Chronicle

Lab ID: 240-17477-7 **Client ID: 079SS-0005M-0001-SO**

Sample Date/Time: 11/09/2012 11:10 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17477-C-7-A		240-65336	240-64955	11/09/2012 20:15	1	TAL NC	LM
A:8260B/DoD	240-17477-C-7-A		240-65336	240-64955	11/16/2012 20:05	1	TAL NC	SM
P:3540C	240-17477-A-7-G		240-67070	240-65933	11/21/2012 11:36	1	TAL NC	AC
A:8270C/DoD	240-17477-A-7-G		240-67070	240-65933	12/03/2012 17:34	1	TAL NC	MU
P:3540C	240-17477-A-7-H	RE	240-67729	240-67436	12/05/2012 10:50	1	TAL NC	BM
A:8270C/DoD	240-17477-A-7-H	RE	240-67729	240-67436	12/07/2012 18:18	1	TAL NC	MU
P:3540C	240-17477-A-7-F		240-66500	240-65759	11/20/2012 11:21	10	TAL NC	AC
A:8081/DOD	240-17477-A-7-F		240-66500	240-65759	11/28/2012 20:43	10	TAL NC	CV
P:3540C	240-17477-A-7-E		240-66323	240-65753	11/20/2012 11:06	1	TAL NC	AC
A:8082/DOD	240-17477-A-7-E		240-66323	240-65753	11/27/2012 06:20	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17477-F-7-A		320-6611	320-6242	11/21/2012 14:38	1	TAL WSC	JR
A:8330 Modified	240-17477-F-7-A		320-6611	320-6242	11/29/2012 18:50	1	TAL WSC	RN
P:8330B	240-17477-F-7-B		320-6640	320-6245	11/21/2012 15:09	1	TAL WSC	JR
A:8330B	240-17477-F-7-B		320-6640	320-6245	12/01/2012 14:33	1	TAL WSC	RN
P:3050B	240-17477-A-7-C		240-66205	240-65198	11/15/2012 12:26	1	TAL NC	SG
A:6020/DOD	240-17477-A-7-C		240-66205	240-65198	11/23/2012 18:28	1	TAL NC	NJT
P:7471A	240-17477-A-7-D		240-65450	240-65204	11/15/2012 14:40	1	TAL NC	SG
A:7471/DOD	240-17477-A-7-D		240-65450	240-65204	11/16/2012 19:48	1	TAL NC	DH
A:Moisture	240-17477-D-7		240-65100		11/15/2012 08:05	1	TAL NC	LG
P:353 (NCell-Hyd)	240-17477-F-7-G		320-6863	320-6824	12/04/2012 07:05	1	TAL WSC	TP
A:WS-WC-0050	240-17477-F-7-G		320-6863	320-6824	12/04/2012 15:02	1	TAL WSC	JB

Lab ID: 240-17477-8 **Client ID: 079SS-0006-0001-TB**

Sample Date/Time: 11/09/2012 08:00 Received Date/Time: 11/09/2012 17:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-17477-B-8		240-64831		11/13/2012 15:05	1	TAL NC	RQ
A:8260B/DoD	240-17477-B-8		240-64831		11/13/2012 15:05	1	TAL NC	RQ

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Laboratory Chronicle

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 240-64831/6		240-64831		11/13/2012 12:55	1	TAL NC	RQ
A:8260B/DoD	MB 240-64831/6		240-64831		11/13/2012 12:55	1	TAL NC	RQ
A:8260B/DoD	MB 240-65171/8		240-65171		11/15/2012 13:25	1	TAL NC	TL
A:8260B/DoD	MB 240-65336/8		240-65336		11/16/2012 14:41	1	TAL NC	SM
P:3520C	MB 240-64920/23-A		240-65294	240-64920	11/14/2012 08:33	1	TAL NC	SE
A:8270C/DoD	MB 240-64920/23-A		240-65294	240-64920	11/16/2012 10:21	1	TAL NC	MU
P:3540C	MB 240-65933/23-A		240-67070	240-65933	11/21/2012 11:36	1	TAL NC	AC
A:8270C/DoD	MB 240-65933/23-A		240-67070	240-65933	12/03/2012 16:43	1	TAL NC	MU
P:3540C	MB 240-67436/23-A		240-67729	240-67436	12/05/2012 10:50	1	TAL NC	BM
A:8270C/DoD	MB 240-67436/23-A		240-67729	240-67436	12/07/2012 14:08	1	TAL NC	MU
P:3540C	MB 240-65759/17-A		240-66500	240-65759	11/20/2012 11:21	1	TAL NC	AC
A:8081/DOD	MB 240-65759/17-A		240-66500	240-65759	11/29/2012 00:47	1	TAL NC	CV
P:3520C	MB 240-64779/13-A		240-65363	240-64779	11/13/2012 09:55	1	TAL NC	SE
A:8082/DOD	MB 240-64779/13-A		240-65363	240-64779	11/18/2012 17:27	1	TAL NC	LH
P:3540C	MB 240-65753/23-A		240-66323	240-65753	11/20/2012 11:06	1	TAL NC	AC
A:8082/DOD	MB 240-65753/23-A		240-66323	240-65753	11/27/2012 05:50	1	TAL NC	LH
P:Sieve/Ultrasoni	MB 320-6242/1-A		320-6611	320-6242	11/21/2012 14:38	1	TAL WSC	JR
A:8330 Modified	MB 320-6242/1-A		320-6611	320-6242	11/29/2012 17:24	1	TAL WSC	RN
P:8330B	MB 320-6245/1-A		320-6640	320-6245	11/21/2012 15:09	1	TAL WSC	JR
A:8330B	MB 320-6245/1-A		320-6640	320-6245	12/01/2012 11:13	1	TAL WSC	RN
P:3050B	MB 240-65198/1-A		240-66205	240-65198	11/15/2012 12:19	1	TAL NC	SG
A:6020/DOD	MB 240-65198/1-A		240-66205	240-65198	11/23/2012 15:10	1	TAL NC	NJT
P:3005A	MB 240-65311/1-A		240-68088	240-65311	11/16/2012 09:08	1	TAL NC	LM
A:6020/DOD	MB 240-65311/1-A		240-68088	240-65311	12/10/2012 10:54	1	TAL NC	NJT
P:7470A	MB 240-66219/1-A		240-66485	240-66219	11/26/2012 15:25	1	TAL NC	SG
A:7470A/DOD	MB 240-66219/1-A		240-66485	240-66219	11/27/2012 15:50	1	TAL NC	DH
P:7471A	MB 240-65204/1-A		240-65450	240-65204	11/15/2012 14:40	1	TAL NC	SG
A:7471/DOD	MB 240-65204/1-A		240-65450	240-65204	11/16/2012 18:59	1	TAL NC	DH
P:353 (NCell-Hyd)	MB 320-6800/1-B		320-6863	320-6824	12/04/2012 07:05	1	TAL WSC	TP
A:WS-WC-0050	MB 320-6800/1-B		320-6863	320-6824	12/04/2012 14:12	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 240-64831/4		240-64831		11/13/2012 12:10	1	TAL NC	RQ
A:8260B/DoD	LCS 240-64831/4		240-64831		11/13/2012 12:10	1	TAL NC	RQ
A:8260B/DoD	LCS 240-65171/7		240-65171		11/15/2012 13:03	1	TAL NC	TL
A:8260B/DoD	LCS 240-65336/7		240-65336		11/16/2012 14:20	1	TAL NC	SM
P:3520C	LCS 240-64920/24-A		240-65294	240-64920	11/14/2012 08:33	1	TAL NC	SE
A:8270C/DoD	LCS 240-64920/24-A		240-65294	240-64920	11/16/2012 10:40	1	TAL NC	MU
P:3540C	LCS 240-65933/24-A		240-67070	240-65933	11/21/2012 11:36	1	TAL NC	AC
A:8270C/DoD	LCS 240-65933/24-A		240-67070	240-65933	12/03/2012 17:08	1	TAL NC	MU
P:3540C	LCS 240-67436/24-A		240-67729	240-67436	12/05/2012 10:50	1	TAL NC	BM
A:8270C/DoD	LCS 240-67436/24-A		240-67729	240-67436	12/07/2012 14:33	1	TAL NC	MU
P:3540C	LCS 240-65759/18-A		240-66500	240-65759	11/20/2012 11:21	1	TAL NC	AC
A:8081/DOD	LCS 240-65759/18-A		240-66500	240-65759	11/28/2012 15:36	1	TAL NC	CV
P:3520C	LCS 240-64779/14-A		240-65363	240-64779	11/13/2012 09:55	1	TAL NC	SE
A:8082/DOD	LCS 240-64779/14-A		240-65363	240-64779	11/18/2012 19:27	1	TAL NC	LH
P:3540C	LCS 240-65753/24-A		240-66323	240-65753	11/20/2012 11:06	1	TAL NC	AC
A:8082/DOD	LCS 240-65753/24-A		240-66323	240-65753	11/27/2012 08:35	1	TAL NC	LH
P:Sieve/Ultrasoni	LCS 320-6242/2-A		320-6611	320-6242	11/21/2012 14:38	1	TAL WSC	JR
A:8330 Modified	LCS 320-6242/2-A		320-6611	320-6242	11/29/2012 17:38	1	TAL WSC	RN
P:8330B	LCS 320-6245/2-A		320-6640	320-6245	11/21/2012 15:09	1	TAL WSC	JR
A:8330B	LCS 320-6245/2-A		320-6640	320-6245	12/01/2012 11:53	1	TAL WSC	RN
P:3050B	LCS 240-65198/2-A		240-66205	240-65198	11/15/2012 12:19	1	TAL NC	SG
A:6020/DOD	LCS 240-65198/2-A		240-66205	240-65198	11/23/2012 15:15	1	TAL NC	NJT
P:3005A	LCS 240-65311/2-A		240-68088	240-65311	11/16/2012 09:08	1	TAL NC	LM
A:6020/DOD	LCS 240-65311/2-A		240-68088	240-65311	12/10/2012 10:59	1	TAL NC	NJT
P:7470A	LCS 240-66219/2-A		240-66485	240-66219	11/26/2012 15:25	1	TAL NC	SG
A:7470A/DOD	LCS 240-66219/2-A		240-66485	240-66219	11/27/2012 15:57	1	TAL NC	DH
P:7471A	LCS 240-65204/2-A		240-65450	240-65204	11/15/2012 14:40	1	TAL NC	SG
A:7471/DOD	LCS 240-65204/2-A		240-65450	240-65204	11/16/2012 19:00	1	TAL NC	DH
P:353 (NCell-Hyd)	LCS 320-6800/2-B		320-6863	320-6824	12/04/2012 07:05	1	TAL WSC	TP
A:WS-WC-0050	LCS 320-6800/2-B		320-6863	320-6824	12/04/2012 14:14	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17477-1

Laboratory Chronicle

Lab ID: MRL **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MRL 240-64831/5		240-64831		11/13/2012 12:33	1	TAL NC	RQ
A:8260B/DoD	MRL 240-64831/5		240-64831		11/13/2012 12:33	1	TAL NC	RQ
P:5030B	MRL 240-64831/12		240-64831		11/13/2012 15:27	1	TAL NC	RQ
A:8260B/DoD	MRL 240-64831/12		240-64831		11/13/2012 15:27	1	TAL NC	RQ
A:8260B/DoD	MRL 240-65171/5		240-65171		11/15/2012 12:20	1	TAL NC	TL
A:8260B/DoD	MRL 240-65171/29		240-65171		11/15/2012 21:17	1	TAL NC	TL
A:8260B/DoD	MRL 240-65336/5		240-65336		11/16/2012 13:37	1	TAL NC	SM
A:8260B/DoD	MRL 240-65336/24		240-65336		11/16/2012 20:26	1	TAL NC	SM
A:8270C/DoD	MRL 240-65294/3		240-65294		11/16/2012 10:00	1	TAL NC	MU
A:8270C/DoD	MRL 240-65294/19		240-65294		11/16/2012 15:09	1	TAL NC	MU
A:8270C/DoD	MRL 240-67070/13		240-67070		12/03/2012 16:18	1	TAL NC	MU
A:8270C/DoD	MRL 240-67070/24		240-67070		12/03/2012 20:56	1	TAL NC	MU
A:8270C/DoD	MRL 240-67729/3		240-67729		12/07/2012 13:43	1	TAL NC	MU
A:8270C/DoD	MRL 240-67729/15		240-67729		12/07/2012 18:43	1	TAL NC	MU
A:8081/DOD	MRL 240-66500/18		240-66500		11/28/2012 09:37	1	TAL NC	CV
A:8081/DOD	MRL 240-66500/56		240-66500		11/29/2012 03:03	1	TAL NC	CV
A:8081/DOD	MRL 240-66829/8		240-66829		11/29/2012 18:02	1	TAL NC	CV
A:8081/DOD	MRL 240-66829/18		240-66829		11/29/2012 22:31	1	TAL NC	CV
A:8082/DOD	MRL 240-65363/4		240-65363		11/18/2012 14:28	1	TAL NC	LH
A:8082/DOD	MRL 240-65363/26		240-65363		11/18/2012 19:56	1	TAL NC	LH
A:8082/DOD	MRL 240-66323/3		240-66323		11/27/2012 02:07	1	TAL NC	LH
A:8082/DOD	MRL 240-66323/31		240-66323		11/27/2012 09:04	1	TAL NC	LH
A:WS-WC-0050	MRL 320-6863/10		320-6863		12/04/2012 14:02	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-6863/20		320-6863		12/04/2012 14:22	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-6863/34		320-6863		12/04/2012 14:50	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-6863/48		320-6863		12/04/2012 15:18	1	TAL WSC	JB

Lab References:

TAL NC = TestAmerica Canton

TAL WSC = TestAmerica West Sacramento

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EX10PPMSPK_00006	01/25/13	07/25/12	MEOH, Lot 117046	1000 mL	EXPCB1016_00004	2 mL	Aroclor-1016	10 ug/mL
					EXPCB1260_00004	2 mL	Aroclor-1260	10 ug/mL
.EXPCB1016_00004	12/06/15	AccuStandard, Inc., Lot B5120059			(Purchased Reagent)		Aroclor-1016	5000 ug/mL
.EXPCB1260_00004	06/25/13	AccuStandard, Lot B3060258			(Purchased Reagent)		Aroclor-1260	5000 ug/mL
EX2/.2SURRW_00019	04/19/13	10/19/12	MEOH, Lot 123279	2000 mL	EX2/.2SURR_00002	2 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.EX2/.2SURR_00002	10/01/13	Ultra Scientific, Lot CG-3165			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
EXBNALCS1_00029	06/30/13	10/26/12	MEOH, Lot 123279	200 mL	EXBNALCS_00009	40 mL	1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dinitrobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	40 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Aniline	20.02 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di(2-ethylhexyl)adipate	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20.02 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
.EXBNALCS_00009	06/30/13		SUPELCO, Lot LB93716		(Purchased Reagent)		1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Aniline	100.1 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di(2-ethylhexyl)adipate	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100.1 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
EXBNALCS1_00030	06/30/13	11/15/12	MEOH, Lot 123279	200 mL	EXBNALCS_00009	40 mL	1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dinitrobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	40 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Aniline	20.02 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di(2-ethylhexyl)adipate	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20.02 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
.EXBNALCS_00009	06/30/13		SUPELCO, Lot LB93716		(Purchased Reagent)		1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Aniline	100.1 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di(2-ethylhexyl)adipate	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100.1 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
EXBNASURRW_00020	07/31/15	10/26/12	MEOH, Lot 123279	2000 mL	EXBNASURR_00007	400 mL	2,4,6-Tribromophenol (Surr)	30 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	30 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	30 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.EXBNASURR_00007	07/31/15		SUPELCO, Lot lb88729		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	150 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	150 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	150 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
EXBNASURRW_00021	07/31/15	11/26/12	MEOH, Lot 123279	2000 mL	EXBNASURR_00007	400 mL	2,4,6-Tribromophenol (Surr)	30 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	30 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	30 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.EXBNASURR_00007	07/31/15		SUPELCO, Lot lb88729		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	150 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	150 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	150 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
EXPSTNPDESSPW_00011	02/01/13	08/01/12	MEOH, Lot 117046	200 mL	EXPELCSSTOCK_00002	20 mL	4,4'-DDD	1 ug/mL
							4,4'-DDE	1 ug/mL
							4,4'-DDT	1 ug/mL
							Aldrin	1 ug/mL
							alpha-BHC	1 ug/mL
							alpha-Chlordane	1 ug/mL
							beta-BHC	1 ug/mL
							delta-BHC	1 ug/mL
							Dieldrin	1 ug/mL
							Endosulfan I	1 ug/mL
							Endosulfan II	1 ug/mL
							Endosulfan sulfate	1 ug/mL
							Endrin	1 ug/mL
							Endrin aldehyde	1 ug/mL
							Endrin ketone	1 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							gamma-Chlordane	1 ug/mL
							Heptachlor	1 ug/mL
							Heptachlor epoxide	1 ug/mL
							Methoxychlor	1 ug/mL
.EXPELCSSTOCK_00002	04/30/13	08/02/11	MEOH, Lot 117046	100 mL	EXPESTSTOCK_00005	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..EXPESTSTOCK_00005	04/30/13		ULTRA, Lot CH-0689		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
EXRESTEKSPKW_00016	12/20/12	10/26/12	MEOH, Lot 123279	200 mL	EXBNARESSPK_00006	40 mL	1,1'-Biphenyl	20 ug/mL
							1,4-Dioxane	20 ug/mL
							2-Picoline	20 ug/mL
							Acetophenone	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							Chloroacetophenone	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Phenacetin	20 ug/mL
							Phorate	20 ug/mL
							Pronamide	20 ug/mL
							Quinoline	20 ug/mL
							Safrole, Total	20 ug/mL
.EXBNARESSPK_00006	12/13/13		Restek, Lot A089172		(Purchased Reagent)		1,1'-Biphenyl	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2-Picoline	100 ug/mL
							Acetophenone	100 ug/mL
							Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
							Chloroacetophenone	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzilate	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Phenacetin	100 ug/mL
							Phorate	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
							Safrole, Total	100 ug/mL
EXRESTEKSPKW_00017	12/20/12	12/04/12	MEOH, Lot 123279	200 mL	EXBNARESSPK_00006	40 mL	1,1'-Biphenyl	20 ug/mL
							1,4-Dioxane	20 ug/mL
							2-Picoline	20 ug/mL
							Acetophenone	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							Chloroacetophenone	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Phenacetin	20 ug/mL
							Phorate	20 ug/mL
							Pronamide	20 ug/mL
							Quinoline	20 ug/mL
							Safrole, Total	20 ug/mL
.EXBNARESSPK_00006	12/13/13	Restek, Lot A089172			(Purchased Reagent)		1,1'-Biphenyl	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2-Picoline	100 ug/mL
							Acetophenone	100 ug/mL
							Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
							Chloroacetophenone	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Phenacetin	100 ug/mL
							Phorate	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
							Safrole, Total	100 ug/mL
MT1TO1HN03_00376	11/15/12	11/15/12	DIWATER, Lot DI WATER	1000 mL	MTHNO3_00036	500 mL	Nitric acid	0.5 mL/mL
.MTHNO3_00036	10/26/14	Macron Chemicals, Lot L08022			(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00392	11/15/12	11/15/12	NA, Lot NA	320 mL	MTHCL_00047	240 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00036	80 mL	Nitric acid	0.25 mL/mL
.MTHCL_00047	11/12/14	Macron Chemical, Lot 0000013500			(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00036	10/26/14	Macron Chemicals, Lot L08022			(Purchased Reagent)		Nitric acid	100 %
MTH202_00012	11/30/13	Macron, Lot K45A06			(Purchased Reagent)		Hydrogen Peroxide	30 %
MTH2S04_00010	10/09/14	Macron, Lot K20042			(Purchased Reagent)		Sulfuric acid	100 %
MTHCL_00047	11/12/14	Macron Chemical, Lot 0000013500			(Purchased Reagent)		Hydrogen Chloride	100 %

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MTHGCALW_00280	11/15/12	11/15/12	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00006	1 mL	Hg	100 ug/L
					MTHNO3_00036	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00006	08/20/13	High Purity, Lot 1221902			(Purchased Reagent)		Hg	10 ug/mL
.MTHNO3_00036	10/26/14	Macron Chemicals, Lot L08022			(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00283	11/26/12	11/26/12	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00006	1 mL	Hg	100 ug/L
					MTHNO3_00037	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00006	08/20/13	High Purity, Lot 1221902			(Purchased Reagent)		Hg	10 ug/mL
.MTHNO3_00037	11/12/14	Macron Chemicals, Lot L03021			(Purchased Reagent)		Nitric acid	100 %
MTHGICVW_00428	11/15/12	11/15/12	DIWATER, Lot DIWATER	100 mL	MTHgStd_00007	1 mL	Hg	500 ug/L
					MTHNO3_00035	0.15 mL	Nitric acid	1500000 ug/L
.MTHgStd_00007	02/16/14	CPI, Lot 10E072			(Purchased Reagent)		Hg	50 ug/mL
.MTHNO3_00035	10/09/14	Macron Chemicals, Lot L03021			(Purchased Reagent)		Nitric acid	100 %
MTHGICVW_00435	11/26/12	11/26/12	DIWATER, Lot DIWATER	100 mL	MTHgStd_00007	1 mL	Hg	500 ug/L
					MTHNO3_00036	0.15 mL	Nitric acid	1500000 ug/L
.MTHgStd_00007	02/16/14	CPI, Lot 10E072			(Purchased Reagent)		Hg	50 ug/mL
.MTHNO3_00036	10/26/14	Macron Chemicals, Lot L08022			(Purchased Reagent)		Nitric acid	100 %
							Nitric acid	100 %
MTHNO3_00037	11/12/14	Macron Chemicals, Lot L03021			(Purchased Reagent)		Nitric acid	100 %
MTICPMS2_00009	07/10/13	High Purity Standards, Lot 1218529			(Purchased Reagent)		Aluminum	1000 ug/mL
							Calcium	1000 ug/mL
							Iron	1000 ug/mL
							Magnesium	1000 ug/mL
							Potassium	1000 ug/mL
							Sodium	1000 ug/mL
MTICPMSA_00007	01/10/13	High Purity Standards, Lot 1102022			(Purchased Reagent)		Arsenic	10 ug/mL
							B	10 ug/mL
							Barium	10 ug/mL
							Beryllium	10 ug/mL
							Cadmium	10 ug/mL
							Chromium	10 ug/mL
							Cobalt	10 ug/mL
							Copper	10 ug/mL
							Lead	10 ug/mL
							Manganese	10 ug/mL
							Nickel	10 ug/mL
							Selenium	10 ug/mL
							Sr	10 ug/mL
							Thallium	10 ug/mL
							Vanadium	10 ug/mL
							Zinc	10 ug/mL
MTICPMSA_00010	09/11/13	High Purity Standards, Lot 1225405			(Purchased Reagent)		Arsenic	100 ug/mL
							Barium	100 ug/mL
							Beryllium	100 ug/mL
							Cadmium	100 ug/mL
							Chromium	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cobalt	100 ug/mL
							Copper	100 ug/mL
							Lead	100 ug/mL
							Manganese	100 ug/mL
							Nickel	100 ug/mL
							Selenium	100 ug/mL
							Sr	100 ug/mL
							Thallium	25 ug/mL
							Vanadium	100 ug/mL
							Zinc	100 ug/mL
MTICPMSB_00007	01/10/13	High Purity Standards, Lot 1102023			(Purchased Reagent)		Antimony	10 ug/mL
							Mo	10 ug/mL
							Silver	10 ug/mL
							Sn	10 ug/mL
							Ti	10 ug/mL
							W	10 ug/mL
							Zr	10 ug/mL
MTICPMSB_00010	09/11/13	High Purity Standards, Lot 1225412			(Purchased Reagent)		Antimony	10 ug/mL
							B	10 ug/mL
							Mo	10 ug/mL
							Silver	10 ug/mL
							Sn	10 ug/mL
							Ti	10 ug/mL
							W	10 ug/mL
MTK2S208RGNT_00029	11/19/14	11/19/12	DIWATER, Lot DIWATER	2 L	MTK2S208_00008	100 g	Potassium persulfate	0.05 g/g
.MTK2S208_00008	10/03/17	Fisher, Lot 117411			(Purchased Reagent)		Potassium persulfate	1 g/g
MTKMnO4Liq_00005	10/31/14	Ricca Chemical Company, Lot 2210830			(Purchased Reagent)		Potassium Permanganate	1 g
MTKMnO4Liq_00006	10/31/14	Ricca Chemical Company, Lot 2210830			(Purchased Reagent)		Potassium Permanganate	1 g
MTMSCAL2CCVW_00053	05/07/13	11/07/12	DIWATER, Lot DIWATER	500 mL	MTMSCAL3_00005	10 mL	Aluminum	500 ug/L
							Arsenic	100 ug/L
							Barium	100 ug/L
							Beryllium	100 ug/L
							Cadmium	100 ug/L
							Calcium	50000 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Iron	25000 ug/L
							Lead	100 ug/L
							Magnesium	50000 ug/L
							Manganese	500 ug/L
							Nickel	100 ug/L
							Potassium	50000 ug/L
							Selenium	100 ug/L
							Silver	100 ug/L
							Sodium	50000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thallium	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L
					MTMSCAL4_00006	10 mL	Antimony	100 ug/L
.MTMSCAL3_00005	08/01/13	INORGANIC VENTURES, Lot F2-MEB428149			(Purchased Reagent)		Aluminum	25 ug/mL
							Arsenic	5 ug/mL
							Barium	5 ug/mL
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Calcium	2500 ug/mL
							Chromium	5 ug/mL
							Cobalt	5 ug/mL
							Copper	5 ug/mL
							Iron	1250 ug/mL
							Lead	5 ug/mL
							Magnesium	2500 ug/mL
							Manganese	25 ug/mL
							Nickel	5 ug/mL
							Potassium	2500 ug/mL
							Selenium	5 ug/mL
							Silver	5 ug/mL
							Sodium	2500 ug/mL
							Thallium	5 ug/mL
							Vanadium	5 ug/mL
							Zinc	5 ug/mL
.MTMSCAL4_00006	08/01/13	INORGANIC VENTURES, Lot F2-MEB428150			(Purchased Reagent)		Antimony	5 ug/mL
MTMSCAL2CCVW_00054	05/29/13	11/29/12	DIWATER, Lot DIWATER	500 mL	MTMSCAL3_00005	10 mL	Aluminum	500 ug/L
							Arsenic	100 ug/L
							Barium	100 ug/L
							Beryllium	100 ug/L
							Cadmium	100 ug/L
							Calcium	50000 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Iron	25000 ug/L
							Lead	100 ug/L
							Magnesium	50000 ug/L
							Manganese	500 ug/L
							Nickel	100 ug/L
							Potassium	50000 ug/L
							Selenium	100 ug/L
							Silver	100 ug/L
							Sodium	50000 ug/L
							Thallium	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MTMSCAL4_00006	10 mL	Antimony	100 ug/L
.MTMSCAL3_00005	08/01/13	INORGANIC VENTURES, Lot F2-MEB428149			(Purchased Reagent)		Aluminum	25 ug/mL
							Arsenic	5 ug/mL
							Barium	5 ug/mL
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Calcium	2500 ug/mL
							Chromium	5 ug/mL
							Cobalt	5 ug/mL
							Copper	5 ug/mL
							Iron	1250 ug/mL
							Lead	5 ug/mL
							Magnesium	2500 ug/mL
							Manganese	25 ug/mL
							Nickel	5 ug/mL
							Potassium	2500 ug/mL
							Selenium	5 ug/mL
							Silver	5 ug/mL
							Sodium	2500 ug/mL
							Thallium	5 ug/mL
							Vanadium	5 ug/mL
							Zinc	5 ug/mL
.MTMSCAL4_00006	08/01/13	INORGANIC VENTURES, Lot F2-MEB428150			(Purchased Reagent)		Antimony	5 ug/mL
MTMSCAL3W_00016	03/28/13	09/28/12	DIWATER, Lot DIWATER	250 mL	MTMSCAL3_00005	10 mL	Aluminum	1000 ug/L
							Arsenic	200 ug/L
							Barium	200 ug/L
							Beryllium	200 ug/L
							Cadmium	200 ug/L
							Calcium	100000 ug/L
							Chromium	200 ug/L
							Cobalt	200 ug/L
							Copper	200 ug/L
							Iron	50000 ug/L
							Lead	200 ug/L
							Magnesium	100000 ug/L
							Manganese	1000 ug/L
							Nickel	200 ug/L
							Potassium	100000 ug/L
							Selenium	200 ug/L
							Silver	200 ug/L
							Sodium	100000 ug/L
							Thallium	200 ug/L
							Vanadium	200 ug/L
							Zinc	200 ug/L
.MTMSCAL3_00005	08/01/13	INORGANIC VENTURES, Lot F2-MEB428149			(Purchased Reagent)		Aluminum	25 ug/mL
							Arsenic	5 ug/mL
							Barium	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Calcium	2500 ug/mL
							Chromium	5 ug/mL
							Cobalt	5 ug/mL
							Copper	5 ug/mL
							Iron	1250 ug/mL
							Lead	5 ug/mL
							Magnesium	2500 ug/mL
							Manganese	25 ug/mL
							Nickel	5 ug/mL
							Potassium	2500 ug/mL
							Selenium	5 ug/mL
							Silver	5 ug/mL
							Sodium	2500 ug/mL
							Thallium	5 ug/mL
							Vanadium	5 ug/mL
							Zinc	5 ug/mL
MTMSCAL3W_00017	05/07/13	11/07/12	DIWATER, Lot DIWATER	250 mL	MTMSCAL3_00005	10 mL	Aluminum	1000 ug/L
							Arsenic	200 ug/L
							Barium	200 ug/L
							Beryllium	200 ug/L
							Cadmium	200 ug/L
							Calcium	100000 ug/L
							Chromium	200 ug/L
							Cobalt	200 ug/L
							Copper	200 ug/L
							Iron	50000 ug/L
							Lead	200 ug/L
							Magnesium	100000 ug/L
							Manganese	1000 ug/L
							Nickel	200 ug/L
							Potassium	100000 ug/L
							Selenium	200 ug/L
							Silver	200 ug/L
							Sodium	100000 ug/L
							Thallium	200 ug/L
							Vanadium	200 ug/L
							Zinc	200 ug/L
.MTMSCAL3_00005	08/01/13		INORGANIC VENTURES, Lot F2-MEB428149		(Purchased Reagent)		Aluminum	25 ug/mL
							Arsenic	5 ug/mL
							Barium	5 ug/mL
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Calcium	2500 ug/mL
							Chromium	5 ug/mL
							Cobalt	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Copper	5 ug/mL
							Iron	1250 ug/mL
							Lead	5 ug/mL
							Magnesium	2500 ug/mL
							Manganese	25 ug/mL
							Nickel	5 ug/mL
							Potassium	2500 ug/mL
							Selenium	5 ug/mL
							Silver	5 ug/mL
							Sodium	2500 ug/mL
							Thallium	5 ug/mL
							Vanadium	5 ug/mL
							Zinc	5 ug/mL
MTMSCAL4W_00014	03/28/13	09/28/12	DIWATER, Lot DIWATER	250 mL	MTMSCAL4_00006	10 mL	Antimony	200 ug/L
.MTMSCAL4_00006	08/01/13		INORGANIC VENTURES, Lot F2-MEB428150		(Purchased Reagent)		Antimony	5 ug/mL
MTMSCRIW_00028	05/20/13	11/20/12	DIWATER, Lot DIWATER	200 mL	MTMSCRI_00004	1 mL	Aluminum	50 ug/L
							Antimony	2 ug/L
							Arsenic	2 ug/L
							Barium	1 ug/L
							Beryllium	1 ug/L
							Cadmium	0.5 ug/L
							Calcium	1000 ug/L
							Chromium	2 ug/L
							Cobalt	1 ug/L
							Copper	2 ug/L
							Iron	50 ug/L
							Lead	1 ug/L
							Magnesium	1000 ug/L
							Manganese	1 ug/L
							Nickel	2 ug/L
							Potassium	1000 ug/L
							Selenium	2 ug/L
							Silver	0.5 ug/L
							Sodium	1000 ug/L
							Thallium	1 ug/L
							Vanadium	5 ug/L
							Zinc	10 ug/L
.MTMSCRI_00004	09/28/13		HIGH PURITY STANDARDS, Lot 1226917		(Purchased Reagent)		Aluminum	10 ug/mL
							Antimony	0.4 ug/mL
							Arsenic	0.4 ug/mL
							Barium	0.2 ug/mL
							Beryllium	0.2 ug/mL
							Cadmium	0.1 ug/mL
							Calcium	200 ug/mL
							Chromium	0.4 ug/mL
							Cobalt	0.2 ug/mL
							Copper	0.4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Iron	10 ug/mL
							Lead	0.2 ug/mL
							Magnesium	200 ug/mL
							Manganese	0.2 ug/mL
							Nickel	0.4 ug/mL
							Potassium	200 ug/mL
							Selenium	0.4 ug/mL
							Silver	0.1 ug/mL
							Sodium	200 ug/mL
							Thallium	0.2 ug/mL
							Vanadium	1 ug/mL
							Zinc	2 ug/mL
MTMSICSABW_00019	05/01/13	11/05/12	DIWATER, Lot DIWATER	200 mL	MTMSICSA_00007	10 mL	Aluminum	50000 ug/L
							Calcium	50000 ug/L
							Iron	50000 ug/L
							Magnesium	50000 ug/L
							Mo	1100 ug/L
							Potassium	50000 ug/L
							Sodium	50000 ug/L
					MTMSICSABSOLA_00003	1 mL	Arsenic	100 ug/L
							B	100 ug/L
							Barium	100 ug/L
							Beryllium	100 ug/L
							Cadmium	100 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Lead	100 ug/L
							Manganese	100 ug/L
							Nickel	100 ug/L
							Selenium	100 ug/L
							Sr	100 ug/L
							Thallium	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L
					MTMSICSABSOLB_00003	1 mL	Antimony	100 ug/L
							Mo	1100 ug/L
							Silver	100 ug/L
							Sn	100 ug/L
.MTMSICSA_00007	05/01/13	INORGANIC VENTURES, Lot E2MEB371022			(Purchased Reagent)		Aluminum	1000 ug/mL
							Calcium	1000 ug/mL
							Iron	1000 ug/mL
							Magnesium	1000 ug/mL
							Mo	20 ug/mL
							Potassium	1000 ug/mL
							Sodium	1000 ug/mL
.MTMSICSABSOLA_00003	07/10/13	HIGH PURITY STANDARDS, Lot 1218526			(Purchased Reagent)		Arsenic	20 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							B	20 ug/mL
							Barium	20 ug/mL
							Beryllium	20 ug/mL
							Cadmium	20 ug/mL
							Chromium	20 ug/mL
							Cobalt	20 ug/mL
							Copper	20 ug/mL
							Lead	20 ug/mL
							Manganese	20 ug/mL
							Nickel	20 ug/mL
							Selenium	20 ug/mL
							Sr	20 ug/mL
							Thallium	20 ug/mL
							Vanadium	20 ug/mL
							Zinc	20 ug/mL
.MTMSICSABSOLB_00003	07/10/13	HIGH PURITY STANDARDS, Lot 1218527			(Purchased Reagent)		Antimony	20 ug/mL
							Mo	20 ug/mL
							Silver	20 ug/mL
							Sn	20 ug/mL
MTMSICSAW_00020	05/01/13	11/07/12	DIWATER, Lot DIWATER	200 mL	MTMSICSA_00007	10 mL	Aluminum	50000 ug/L
							Calcium	50000 ug/L
							Iron	50000 ug/L
							Magnesium	50000 ug/L
							Mo	1000 ug/L
							Potassium	50000 ug/L
							Sodium	50000 ug/L
.MTMSICSA_00007	05/01/13	INORGANIC VENTURES, Lot E2MEB371022			(Purchased Reagent)		Aluminum	1000 ug/mL
							Calcium	1000 ug/mL
							Iron	1000 ug/mL
							Magnesium	1000 ug/mL
							Mo	20 ug/mL
							Potassium	1000 ug/mL
							Sodium	1000 ug/mL
MTMSICVW_00017	01/16/13	09/28/12	DIWATER, Lot DIWATER	250 mL	MTMSICV1_00003	10 mL	Aluminum	400 ug/L
							Arsenic	80 ug/L
							Barium	80 ug/L
							Beryllium	80 ug/L
							Cadmium	80 ug/L
							Calcium	40000 ug/L
							Chromium	80 ug/L
							Cobalt	80 ug/L
							Copper	80 ug/L
							Iron	20000 ug/L
							Lead	80 ug/L
							Magnesium	40000 ug/L
							Manganese	400 ug/L
							Nickel	80 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Potassium	40000 ug/L
							Selenium	80 ug/L
							Silver	80 ug/L
							Sodium	40000 ug/L
							Thallium	80 ug/L
							Vanadium	80 ug/L
							Zinc	80 ug/L
					MTMSICV2_00003	10 mL	Antimony	80 ug/L
.MTMSICV1_00003	01/16/13	HIGH PURITY STANDARDS, Lot 1201317			(Purchased Reagent)		Aluminum	10 ug/mL
							Arsenic	2 ug/mL
							Barium	2 ug/mL
							Beryllium	2 ug/mL
							Cadmium	2 ug/mL
							Calcium	1000 ug/mL
							Chromium	2 ug/mL
							Cobalt	2 ug/mL
							Copper	2 ug/mL
							Iron	500 ug/mL
							Lead	2 ug/mL
							Magnesium	1000 ug/mL
							Manganese	10 ug/mL
							Nickel	2 ug/mL
							Potassium	1000 ug/mL
							Selenium	2 ug/mL
							Silver	2 ug/mL
							Sodium	1000 ug/mL
							Thallium	2 ug/mL
							Vanadium	2 ug/mL
							Zinc	2 ug/mL
.MTMSICV2_00003	07/10/13	HIGH PURITY STANDARDS, Lot 1218720			(Purchased Reagent)		Antimony	2 ug/mL
SG 1660 ICV_00003	07/03/13	07/03/12	HEXANE, Lot K42e19	10 mL	SG 1016 ICV_00004	1 mL	Aroclor-1016	10 ug/mL
					SG 1260 ICV_00005	1 mL	Aroclor-1260	10 ug/mL
.SG 1016 ICV_00004	03/31/17	ULTRA, Lot CF-0785			(Purchased Reagent)		Aroclor-1016	100 ug/mL
.SG 1260 ICV_00005	12/31/14	ULTRA, Lot CC-3829			(Purchased Reagent)		Aroclor-1260	100 ug/mL
SG1221ICV_00006	08/27/13	08/27/12	HEXANE, Lot L03E01	10 mL	SG 1221 ICV_00003	1 mL	Aroclor-1221	10000 ug/L
.SG 1221 ICV_00003	12/31/14	Ultra Scientific, Lot CB-1791z			(Purchased Reagent)		Aroclor-1221	100 ug/mL
SG1232@0.05PP_00005	12/05/12	06/05/12	HEXANE, Lot J42E19	100 mL	SG1232@10ppm_00002	0.5 mL	PCB-1232 Peak 1	0.05 ug/mL
							PCB-1232 Peak 2	0.05 ug/mL
							PCB-1232 Peak 3	0.05 ug/mL
							PCB-1232 Peak 4	0.05 ug/mL
							PCB-1232 Peak 5	0.05 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14	restek, Lot a052599			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.1PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	1 mL	PCB-1232 Peak 1	0.1 ug/mL
							PCB-1232 Peak 2	0.1 ug/mL
							PCB-1232 Peak 3	0.1 ug/mL
							PCB-1232 Peak 4	0.1 ug/mL
							PCB-1232 Peak 5	0.1 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.2PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42e19	100 mL	SG1232@10ppm_00002	2 mL	PCB-1232 Peak 1	0.2 ug/mL
							PCB-1232 Peak 2	0.2 ug/mL
							PCB-1232 Peak 3	0.2 ug/mL
							PCB-1232 Peak 4	0.2 ug/mL
							PCB-1232 Peak 5	0.2 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.5PPM_00008	12/08/12	07/12/12	HEXANE, Lot K42e19	100 mL	SG1232@10ppm_00002	5 mL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@1.0PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	10 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@2.0PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	20 mL	PCB-1232 Peak 1	2 ug/mL
							PCB-1232 Peak 2	2 ug/mL
							PCB-1232 Peak 3	2 ug/mL
							PCB-1232 Peak 4	2 ug/mL
							PCB-1232 Peak 5	2 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232ICV_00003	05/16/13	05/16/12	HEXANE, Lot K42E19	10 mL	SG 1232 ICV_00003	1 mL	Aroclor-1232	10 ug/mL
.SG 1232 ICV_00003	10/31/14		Ultra Scientific, Lot CG-3213		(Purchased Reagent)		Aroclor-1232	100 ug/mL
SG1242@.05ppm_00004	01/03/13	07/03/12	HEXANE, Lot k142e19	100 mL	SG1242@10ppm_00002	0.5 mL	PCB-1242 Peak 1	0.05 ug/mL
							PCB-1242 Peak 2	0.05 ug/mL
							PCB-1242 Peak 3	0.05 ug/mL
							PCB-1242 Peak 4	0.05 ug/mL
							PCB-1242 Peak 5	0.05 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.1ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	1 mL	PCB-1242 Peak 1	0.1 ug/mL
							PCB-1242 Peak 2	0.1 ug/mL
							PCB-1242 Peak 3	0.1 ug/mL
							PCB-1242 Peak 4	0.1 ug/mL
							PCB-1242 Peak 5	0.1 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.2ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	2 mL	PCB-1242 Peak 1	0.2 ug/mL
							PCB-1242 Peak 2	0.2 ug/mL
							PCB-1242 Peak 3	0.2 ug/mL
							PCB-1242 Peak 4	0.2 ug/mL
							PCB-1242 Peak 5	0.2 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.5ppm_00006	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	5 mL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 5	1000 ug/mL
SG1242@1.0ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	10 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@2.0ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	20 mL	PCB-1242 Peak 1	2 ug/mL
							PCB-1242 Peak 2	2 ug/mL
							PCB-1242 Peak 3	2 ug/mL
							PCB-1242 Peak 4	2 ug/mL
							PCB-1242 Peak 5	2 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242ICV_00003	08/09/13	08/09/12	HEXANE, Lot L08E17	10 mL	SG 1242 ICV_00003	1 mL	Aroclor-1242	10 ug/mL
.SG 1242 ICV_00003	09/30/19		Ultra Scientific, Lot CH-2711		(Purchased Reagent)		Aroclor-1242	100 ug/mL
SG1248@.05ppm_00006	01/04/13	07/04/12	HEXANE, Lot K42E19	100 mL	SG1248@10ppm_00003	0.5 mL	PCB-1248 Peak 1	0.05 ug/mL
							PCB-1248 Peak 2	0.05 ug/mL
							PCB-1248 Peak 3	0.05 ug/mL
							PCB-1248 Peak 4	0.05 ug/mL
							PCB-1248 Peak 5	0.05 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.1PPM_00005	01/04/13	07/04/12	HEXANE, Lot k42E19	100 mL	SG1248@10ppm_00003	1 mL	PCB-1248 Peak 1	0.1 ug/mL
							PCB-1248 Peak 2	0.1 ug/mL
							PCB-1248 Peak 3	0.1 ug/mL
							PCB-1248 Peak 4	0.1 ug/mL
							PCB-1248 Peak 5	0.1 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.2ppm_00005	01/04/13	07/04/12	HEXANE, Lot K42E19	100 mL	SG1248@10ppm_00003	2 mL	PCB-1248 Peak 1	0.2 ug/mL
							PCB-1248 Peak 2	0.2 ug/mL
							PCB-1248 Peak 3	0.2 ug/mL
							PCB-1248 Peak 4	0.2 ug/mL
							PCB-1248 Peak 5	0.2 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.5ppm_00006	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	5 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SG1248@1.0ppm_00004	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	10 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15	Restek, Lot A059172			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@2.0ppm_00004	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	20 mL	PCB-1248 Peak 1	2 ug/mL
							PCB-1248 Peak 2	2 ug/mL
							PCB-1248 Peak 3	2 ug/mL
							PCB-1248 Peak 4	2 ug/mL
							PCB-1248 Peak 5	2 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15	Restek, Lot A059172			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248ICV_00005	02/20/13	02/20/12	HEXANE, Lot K29E03	10 mL	SG 1248 ICV_00003	1 mL	Aroclor-1248	10 ug/mL
.SG 1248 ICV_00003	11/30/19	Ultra Scientific, Lot CH-3256			(Purchased Reagent)		Aroclor-1248	100 ug/mL
SG1254ICV_00004	02/22/13	02/22/12	HEXANE, Lot K29e03	10 mL	SG 1254 ICV_00003	1 mL	Aroclor-1254	10 ug/mL
.SG 1254 ICV_00003	05/31/17	Ultra Scientific, Lot CF-1469			(Purchased Reagent)		Aroclor-1254	100 ug/mL
SG1660@.05PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	0.5 mL	Aroclor-1016	0.05 ug/mL
							Aroclor-1260	0.05 ug/mL
							PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SGPCGSURRSTK_00003	0.125 mL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.2ppm_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	2 mL	PCB-1016 Peak 1	0.2 ug/mL
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL
					SGPCGSURRSTK_00003	0.5 mL	DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00012	03/03/13	09/03/12	HEXANE, Lot 0000013019	200 mL	SG1016/1260_00005	10 mL	PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00013	04/14/13	10/14/12	HEXANE, Lot 000003546	200 mL	SG1016/1260_00005	10 mL	Aroclor-1016	0.5 ug/mL
							Aroclor-1260	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@1.0PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	10 mL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@2.0PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	20 mL	PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
					SGPCGSURRSTK_00003	5 mL	DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660STD@0.1_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	1 mL	PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
					SGPCGSURRSTK_00003	0.25 mL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG2154@0.05PP_00003	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	0.5 mL	PCB-1221 Peak 1	0.05 ug/mL
							PCB-1221 Peak 2	0.05 ug/mL
							PCB-1221 Peak 3	0.05 ug/mL
							PCB-1254 Peak 1	0.05 ug/mL
							PCB-1254 Peak 2	0.05 ug/mL
							PCB-1254 Peak 3	0.05 ug/mL
							PCB-1254 Peak 4	0.05 ug/mL
							PCB-1254 Peak 5	0.05 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.2PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08e17	100 mL	SG2154@10ppm_00002	2 mL	PCB-1221 Peak 1	0.2 ug/mL
							PCB-1221 Peak 2	0.2 ug/mL
							PCB-1221 Peak 3	0.2 ug/mL
							PCB-1254 Peak 1	0.2 ug/mL
							PCB-1254 Peak 2	0.2 ug/mL
							PCB-1254 Peak 3	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 4	0.2 ug/mL
							PCB-1254 Peak 5	0.2 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.5PPM_00006	01/31/13	08/02/12	HEXANE, Lot L08e17	100 mL	SG2154@10ppm_00002	5 mL	PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL
							PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@1.0PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	10 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
							PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@2.0PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	20 mL	PCB-1221 Peak 1	2 ug/mL
							PCB-1221 Peak 2	2 ug/mL
							PCB-1221 Peak 3	2 ug/mL
							PCB-1254 Peak 1	2 ug/mL
							PCB-1254 Peak 2	2 ug/mL
							PCB-1254 Peak 3	2 ug/mL
							PCB-1254 Peak 4	2 ug/mL
							PCB-1254 Peak 5	2 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@O.1PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	1 mL	PCB-1221 Peak 1	0.1 ug/mL
							PCB-1221 Peak 2	0.1 ug/mL
							PCB-1221 Peak 3	0.1 ug/mL
							PCB-1254 Peak 1	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 2	0.1 ug/mL
							PCB-1254 Peak 3	0.1 ug/mL
							PCB-1254 Peak 4	0.1 ug/mL
							PCB-1254 Peak 5	0.1 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SGPestAB1_00003	03/08/13	09/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	25 uL	4,4'-DDD	0.005 ug/mL
							4,4'-DDE	0.005 ug/mL
							4,4'-DDT	0.005 ug/mL
							Aldrin	0.005 ug/mL
							alpha-BHC	0.005 ug/mL
							alpha-Chlordane	0.005 ug/mL
							beta-BHC	0.005 ug/mL
							delta-BHC	0.005 ug/mL
							Dieldrin	0.005 ug/mL
							Endosulfan I	0.005 ug/mL
							Endosulfan II	0.005 ug/mL
							Endosulfan sulfate	0.005 ug/mL
							Endrin	0.005 ug/mL
							Endrin aldehyde	0.005 ug/mL
							Endrin ketone	0.005 ug/mL
							gamma-BHC (Lindane)	0.005 ug/mL
							gamma-Chlordane	0.005 ug/mL
							Heptachlor	0.005 ug/mL
							Heptachlor epoxide	0.005 ug/mL
							Methoxychlor	0.005 ug/mL
							DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB2_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	50 uL	4,4'-DDD	0.01 ug/mL
							4,4'-DDE	0.01 ug/mL
							4,4'-DDT	0.01 ug/mL
							Aldrin	0.01 ug/mL
							alpha-BHC	0.01 ug/mL
							alpha-Chlordane	0.01 ug/mL
							beta-BHC	0.01 ug/mL
							delta-BHC	0.01 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dieldrin	0.01 ug/mL
							Endosulfan I	0.01 ug/mL
							Endosulfan II	0.01 ug/mL
							Endosulfan sulfate	0.01 ug/mL
							Endrin	0.01 ug/mL
							Endrin aldehyde	0.01 ug/mL
							Endrin ketone	0.01 ug/mL
							gamma-BHC (Lindane)	0.01 ug/mL
							gamma-Chlordane	0.01 ug/mL
							Heptachlor	0.01 ug/mL
							Heptachlor epoxide	0.01 ug/mL
							Methoxychlor	0.01 ug/mL
							DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB3_00004	02/03/13	08/03/12	HEXANE, Lot L08E17	200 mL	SGPESTABST_00003	0.25 mL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
							DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SGPESTABST_00003	03/08/13	03/07/12	HEXANE, Lot K29E03	10 mL	SGPESTAB_00004	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00004	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00004	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00004	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB4_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	250 uL	4,4'-DDD	0.05 ug/mL
							4,4'-DDE	0.05 ug/mL
							4,4'-DDT	0.05 ug/mL
							Aldrin	0.05 ug/mL
							alpha-BHC	0.05 ug/mL
							alpha-Chlordane	0.05 ug/mL
							beta-BHC	0.05 ug/mL
							delta-BHC	0.05 ug/mL
							Dieldrin	0.05 ug/mL
							Endosulfan I	0.05 ug/mL
							Endosulfan II	0.05 ug/mL
							Endosulfan sulfate	0.05 ug/mL
							Endrin	0.05 ug/mL
							Endrin aldehyde	0.05 ug/mL
							Endrin ketone	0.05 ug/mL
							gamma-BHC (Lindane)	0.05 ug/mL
							gamma-Chlordane	0.05 ug/mL
							Heptachlor	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor epoxide	0.05 ug/mL
							Methoxychlor	0.05 ug/mL
							DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SGPestAB5_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	500 uL	4,4'-DDD	0.1 ug/mL
							4,4'-DDE	0.1 ug/mL
							4,4'-DDT	0.1 ug/mL
							Aldrin	0.1 ug/mL
							alpha-BHC	0.1 ug/mL
							alpha-Chlordane	0.1 ug/mL
							beta-BHC	0.1 ug/mL
							delta-BHC	0.1 ug/mL
							Dieldrin	0.1 ug/mL
							Endosulfan I	0.1 ug/mL
							Endosulfan II	0.1 ug/mL
							Endosulfan sulfate	0.1 ug/mL
							Endrin	0.1 ug/mL
							Endrin aldehyde	0.1 ug/mL
							Endrin ketone	0.1 ug/mL
							gamma-BHC (Lindane)	0.1 ug/mL
							gamma-Chlordane	0.1 ug/mL
							Heptachlor	0.1 ug/mL
							Heptachlor epoxide	0.1 ug/mL
							Methoxychlor	0.1 ug/mL
							DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB6_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	1 mL	4,4'-DDD	0.2 ug/mL
							4,4'-DDE	0.2 ug/mL
							4,4'-DDT	0.2 ug/mL
							Aldrin	0.2 ug/mL
							alpha-BHC	0.2 ug/mL
							alpha-Chlordane	0.2 ug/mL
							beta-BHC	0.2 ug/mL
							delta-BHC	0.2 ug/mL
							Dieldrin	0.2 ug/mL
							Endosulfan I	0.2 ug/mL
							Endosulfan II	0.2 ug/mL
							Endosulfan sulfate	0.2 ug/mL
							Endrin	0.2 ug/mL
							Endrin aldehyde	0.2 ug/mL
							Endrin ketone	0.2 ug/mL
							gamma-BHC (Lindane)	0.2 ug/mL
							gamma-Chlordane	0.2 ug/mL
							Heptachlor	0.2 ug/mL
							Heptachlor epoxide	0.2 ug/mL
							Methoxychlor	0.2 ug/mL
							DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPESTABCV_00010	01/27/13	08/02/12	HEXANE, Lot L08E19	100 mL	SGPESTABIC_00004	250 uL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
.SGPESTABIC_00004	07/27/13	07/27/12	HEXANE, Lot L08E17	100 mL	SGPESTABIV_00007	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..SGPESTABIV_00007	12/31/13		Ultra Scientific, Lot CH-3658		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
SGPESTPEM_00007	01/11/13	07/14/11	HEXANE, Lot K42E19	100 mL	SGPESTPEMS_00006	1 mL	4,4'-DDT	0.1 ug/mL
							alpha-BHC	0.01 ug/mL
							beta-BHC	0.01 ug/mL
							Endrin	0.05 ug/mL
							gamma-BHC (Lindane)	0.01 ug/mL
							Methoxychlor	0.25 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SGPESTPEMS_00006	02/28/14		Restek, Lot A073209		(Purchased Reagent)		4,4'-DDT	10 ug/mL
							alpha-BHC	1 ug/mL
							beta-BHC	1 ug/mL
							Endrin	5 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							Methoxychlor	25 ug/mL
							Tetrachloro-m-xylene	1 ug/mL
SGPESTTOXI_00003	02/02/13	01/10/12	HEXANE, Lot K12E23	100 mL	SGPESTTOX_00011	1 mL	Toxaphene	10 ug/mL
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00011	02/28/14		SUPELCO, Lot LB82082		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
SGPESTTOXS_00006	07/27/13	07/31/12	HEXANE, Lot L08E17	100 mL	SGPESTTOX_00012	1 mL	Toxaphene	10 ug/mL
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00012	06/30/15		Restek, Lot A080394		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
SMDoDSS Ind W_00001	08/31/13	02/16/12	MECL2, Lot K48E14	10 mL	SMDoDSSInd ST_00001	1 mL	1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL

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Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
.SMDoDSSInd ST_00001	08/31/13	02/16/12	MECL2, Lot K48E14	10 mL	SMDoD IND SS_00001	1 mL	1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzoic acid	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
..SMDoD IND SS_00001	08/31/13		Sigma-Aldrich, Lot LB90764		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dichlorobenzidine	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SMTCL L1 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	2 uL	2,4-Dinitrophenol	0.2 ug/mL
							Benzoic acid	0.2 ug/mL
							Pentachlorophenol	0.2 ug/mL
					SMTCL DPH ST_00003	2 uL	1,4-Dichlorobenzene	0.1 ug/mL
							2,4,5-Trichlorophenol	0.1 ug/mL
							2,4,6-Tribromophenol (Surr)	0.1 ug/mL
							2,4,6-Trichlorophenol	0.1 ug/mL
							2,4-Dichlorophenol	0.1 ug/mL
							2,4-Dimethylphenol	0.1 ug/mL
							2,4-Dinitrophenol	0.2 ug/mL
							2-Chlorophenol	0.1 ug/mL
							2-Fluorophenol (Surr)	0.1 ug/mL
							2-Methylphenol	0.1 ug/mL
							2-Nitrophenol	0.1 ug/mL
							3 & 4 Methylphenol	0.1 ug/mL
							4,6-Dinitro-2-methylphenol	0.1 ug/mL
							4-Chloro-3-methylphenol	0.1 ug/mL
							4-Nitrophenol	0.1 ug/mL
							Benzoic acid	0.2 ug/mL
							Benzyl alcohol	0.1 ug/mL
							Pentachlorophenol	0.2 ug/mL
							Phenol	0.1 ug/mL
							Phenol-d5 (Surr)	0.1 ug/mL
							2-Nitroaniline	0.1 ug/mL
							3,3'-Dichlorobenzidine	0.1 ug/mL
							3-Nitroaniline	0.1 ug/mL
							4-Nitroaniline	0.1 ug/mL
							N-Nitrosodi-n-propylamine	0.1 ug/mL
							N-Nitrosodiphenylamine	0.1 ug/mL
							1,1'-Biphenyl	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Bis(2-ethylhexyl) phthalate	0.1 ug/mL
							Butyl benzyl phthalate	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Di-n-butyl phthalate	0.1 ug/mL
							Di-n-octyl phthalate	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Dibenzofuran	0.1 ug/mL
							Diethyl phthalate	0.1 ug/mL
							Dimethyl phthalate	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Isophorone	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL
							1,2,4-Trichlorobenzene	0.1 ug/mL
							1,2-Dichlorobenzene	0.1 ug/mL
							1,3-Dichlorobenzene	0.1 ug/mL
							2,4-Dinitrotoluene	0.1 ug/mL
							2,6-Dinitrotoluene	0.1 ug/mL
							2-Chloronaphthalene	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							4-Bromophenyl phenyl ether	0.1 ug/mL
							4-Chlorophenyl phenyl ether	0.1 ug/mL
							Benzaldehyde	0.1 ug/mL
							Bis(2-chloroethoxy)methane	0.1 ug/mL
							Bis(2-chloroethyl)ether	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Hexachlorobutadiene	0.1 ug/mL
							Hexachlorocyclopentadiene	0.1 ug/mL
							Hexachloroethane	0.1 ug/mL
							Nitrobenzene	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Anthracene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L2 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	10 uL	2,4-Dinitrophenol	1 ug/mL
							Benzoic acid	1 ug/mL
							Pentachlorophenol	1 ug/mL
					SMTCL DPH ST_00003	10 uL	1,4-Dichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							2,3,5,6-Tetrachlorophenol	0.5 ug/mL
							2,4,5-Trichlorophenol	0.5 ug/mL
							2,4,6-Tribromophenol (Surr)	0.5 ug/mL
							2,4,6-Trichlorophenol	0.5 ug/mL
							2,4-Dichlorophenol	0.5 ug/mL
							2,4-Dimethylphenol	0.5 ug/mL
							2,4-Dinitrophenol	1 ug/mL
							2-Chlorophenol	0.5 ug/mL
							2-Fluorophenol (Surr)	0.5 ug/mL
							2-Methylphenol	0.5 ug/mL
							2-Nitrophenol	0.5 ug/mL
							3 & 4 Methylphenol	0.5 ug/mL
							4,6-Dinitro-2-methylphenol	0.5 ug/mL
							4-Chloro-3-methylphenol	0.5 ug/mL
							4-Nitrophenol	0.5 ug/mL
							Benzoic acid	1 ug/mL
							Benzyl alcohol	0.5 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenol	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							2,4-Toluene diamine	0.5 ug/mL
							2-Nitroaniline	0.5 ug/mL
							3,3'-Dichlorobenzidine	0.5 ug/mL
							3,3'-Dimethoxybenzidine	0.5 ug/mL
							3-Nitroaniline	0.5 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							4-Nitroaniline	0.5 ug/mL
							Aniline	0.5 ug/mL
							Atrazine	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							N-Nitrosodimethylamine	0.5 ug/mL
							N-Nitrosodiphenylamine	0.5 ug/mL
							Pyridine	0.5 ug/mL
							1,1'-Biphenyl	0.5 ug/mL
							1,2-Diphenylhydrazine	0.5 ug/mL
							1-Methylnaphthalene	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Acetophenone	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Azobenzene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Bis(2-ethylhexyl) phthalate	0.5 ug/mL
							Butyl benzyl phthalate	0.5 ug/mL
							Caprolactam	0.5 ug/mL
							Carbazole	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Di-n-butyl phthalate	0.5 ug/mL
							Di-n-octyl phthalate	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Diethyl phthalate	0.5 ug/mL
							Dimethyl phthalate	0.5 ug/mL
							Ethyl methacrylate	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Isophorone	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Phenanthrene	0.5 ug/mL
							Pyrene	0.5 ug/mL
							1,2,3,5-Tetrachlorobenzene	0.5 ug/mL
							1,2,4-Trichlorobenzene	0.5 ug/mL
							1,2-Dichlorobenzene	0.5 ug/mL
							1,2-Dinitrobenzene	0.5 ug/mL
							1,3,5-Trichlorobenzene	0.5 ug/mL
							1,3-Dichlorobenzene	0.5 ug/mL
							2,4-Dinitrotoluene	0.5 ug/mL
							2,6-Dinitrotoluene	0.5 ug/mL
							2-Chloronaphthalene	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropionitrile	0.5 ug/mL
							4-Bromophenyl phenyl ether	0.5 ug/mL
							4-Chlorophenyl phenyl ether	0.5 ug/mL
							Benzaldehyde	0.5 ug/mL
							bis (2-chloroisopropyl) ether	0.5 ug/mL
							Bis(2-chloroethoxy)methane	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachlorocyclopentadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Malononitrile	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L3 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	20 uL	2,4-Dinitrophenol	2 ug/mL
							Benzoic acid	2 ug/mL
							Pentachlorophenol	2 ug/mL
					SMTCL DPH ST_00003	20 uL	1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							2,3,5,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							4,6-Dinitro-2-methylphenol	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Nitrophenol	1 ug/mL
							Benzoic acid	2 ug/mL
							Benzyl alcohol	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenol	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							2,4-Toluene diamine	1 ug/mL
							2-Nitroaniline	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							3,3'-Dimethoxybenzidine	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Nitroaniline	1 ug/mL
							Aniline	1 ug/mL
							Atrazine	1 ug/mL
							Benzidine	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							Pyridine	1 ug/mL
							1,1'-Biphenyl	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	1 ug/mL
							Caprolactam	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Ethyl methacrylate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							Naphthalene	1 ug/mL
							Phenanthrene	1 ug/mL
							Pyrene	1 ug/mL
							1,2,3,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Dinitrobenzene	1 ug/mL
							1,3,5-Trichlorobenzene	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							3-Chloropropionitrile	1 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							Benzaldehyde	1 ug/mL
							bis (2-chloroisopropyl) ether	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Malononitrile	1 ug/mL
							Nitrobenzene	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L4 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	40 uL	2,4-Dinitrophenol	4 ug/mL
							Benzoic acid	4 ug/mL
							Pentachlorophenol	4 ug/mL
					SMTCL DPH ST_00003	40 uL	1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							2,3,5,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3 & 4 Methylphenol	2 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Nitrophenol	2 ug/mL
							Benzoic acid	4 ug/mL
							Benzyl alcohol	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenol	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							2,4-Toluene diamine	2 ug/mL
							2-Nitroaniline	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dimethoxybenzidine	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Nitroaniline	2 ug/mL
							Aniline	2 ug/mL
							Atrazine	2 ug/mL
							Benzidine	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							Pyridine	2 ug/mL
							1,1'-Biphenyl	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Caprolactam	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Ethyl methacrylate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							Naphthalene	2 ug/mL
							Phenanthrene	2 ug/mL
							Pyrene	2 ug/mL
							1,2,3,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Dinitrobenzene	2 ug/mL
							1,3,5-Trichlorobenzene	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							3-Chloropropionitrile	2 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							Benzaldehyde	2 ug/mL
							bis (2-chloroisopropyl) ether	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Malononitrile	2 ug/mL
							Nitrobenzene	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L5 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMSUP ST_00003	100 uL	2,4-Dinitrophenol	10 ug/mL
							Benzoic acid	10 ug/mL
							Pentachlorophenol	10 ug/mL
					SMTCL DPH ST_00003	100 uL	1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							2,3,5,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							4,6-Dinitro-2-methylphenol	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Nitrophenol	5 ug/mL
							Benzoic acid	10 ug/mL
							Benzyl alcohol	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenol	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							2,4-Toluene diamine	5 ug/mL
							2-Nitroaniline	5 ug/mL
							3,3'-Dichlorobenzidine	5 ug/mL
							3,3'-Dimethoxybenzidine	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Nitroaniline	5 ug/mL
							Aniline	5 ug/mL
							Atrazine	5 ug/mL
							Benzidine	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							Pyridine	5 ug/mL
							1,1'-Biphenyl	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Caprolactam	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Ethyl methacrylate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							Naphthalene	5 ug/mL
							Phenanthrene	5 ug/mL
							Pyrene	5 ug/mL
							1,2,3,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Dinitrobenzene	5 ug/mL
							1,3,5-Trichlorobenzene	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							3-Chloropropionitrile	5 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							Benzaldehyde	5 ug/mL
							bis (2-chloroisopropyl) ether	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Malononitrile	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L6 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	200 uL	2,4-Dinitrophenol	20 ug/mL
							Benzoic acid	20 ug/mL
							Pentachlorophenol	20 ug/mL
					SMTCL DPH ST_00003	200 uL	1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							2,3,5,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Nitrophenol	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzoic acid	20 ug/mL
							Benzyl alcohol	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenol	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							2,4-Toluene diamine	10 ug/mL
							2-Nitroaniline	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							3,3'-Dimethoxybenzidine	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Nitroaniline	10 ug/mL
							Aniline	10 ug/mL
							Atrazine	10 ug/mL
							Benzidine	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Pyridine	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Caprolactam	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Ethyl methacrylate	10 ug/mL
							Fluoranthene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							Naphthalene	10 ug/mL
							Phenanthrene	10 ug/mL
							Pyrene	10 ug/mL
							1,2,3,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Dinitrobenzene	10 ug/mL
							1,3,5-Trichlorobenzene	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							3-Chloropropionitrile	10 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							Benzaldehyde	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Malononitrile	10 ug/mL
							Nitrobenzene	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L7 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	300 uL	2,4-Dinitrophenol	30 ug/mL
							Benzoic acid	30 ug/mL
							Pentachlorophenol	30 ug/mL
					SMTCL DPH ST_00003	300 uL	1,4-Dichlorobenzene	15 ug/mL
							1,4-Dioxane	15 ug/mL
							2,3,5,6-Tetrachlorophenol	15 ug/mL
							2,4,5-Trichlorophenol	15 ug/mL
							2,4,6-Tribromophenol (Surr)	15 ug/mL
							2,4,6-Trichlorophenol	15 ug/mL
							2,4-Dichlorophenol	15 ug/mL
							2,4-Dimethylphenol	15 ug/mL
							2,4-Dinitrophenol	30 ug/mL
							2-Chlorophenol	15 ug/mL
							2-Fluorophenol (Surr)	15 ug/mL
							2-Methylphenol	15 ug/mL
							2-Nitrophenol	15 ug/mL
							3 & 4 Methylphenol	15 ug/mL
							4,6-Dinitro-2-methylphenol	15 ug/mL
							4-Chloro-3-methylphenol	15 ug/mL
							4-Nitrophenol	15 ug/mL
							Benzoic acid	30 ug/mL
							Benzyl alcohol	15 ug/mL
							Pentachlorophenol	30 ug/mL
							Phenol	15 ug/mL
							Phenol-d5 (Surr)	15 ug/mL
							2,4-Toluene diamine	15 ug/mL
							2-Nitroaniline	15 ug/mL
							3,3'-Dichlorobenzidine	15 ug/mL
							3,3'-Dimethoxybenzidine	15 ug/mL
							3-Nitroaniline	15 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	15 ug/mL
							4-Chloroaniline	15 ug/mL
							4-Nitroaniline	15 ug/mL
							Aniline	15 ug/mL
							Atrazine	15 ug/mL
							Benzidine	15 ug/mL
							N-Nitrosodi-n-propylamine	15 ug/mL
							N-Nitrosodimethylamine	15 ug/mL
							N-Nitrosodiphenylamine	15 ug/mL
							Pyridine	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1'-Biphenyl	15 ug/mL
							1,2-Diphenylhydrazine	15 ug/mL
							1-Methylnaphthalene	15 ug/mL
							2-Methylnaphthalene	15 ug/mL
							Acenaphthene	15 ug/mL
							Acenaphthylene	15 ug/mL
							Acetophenone	15 ug/mL
							Anthracene	15 ug/mL
							Azobenzene	15 ug/mL
							Benzo[a]anthracene	15 ug/mL
							Benzo[a]pyrene	15 ug/mL
							Benzo[b]fluoranthene	15 ug/mL
							Benzo[g,h,i]perylene	15 ug/mL
							Benzo[k]fluoranthene	15 ug/mL
							Bis(2-ethylhexyl) phthalate	15 ug/mL
							Butyl benzyl phthalate	15 ug/mL
							Caprolactam	15 ug/mL
							Carbazole	15 ug/mL
							Chrysene	15 ug/mL
							Di-n-butyl phthalate	15 ug/mL
							Di-n-octyl phthalate	15 ug/mL
							Dibenz(a,h)anthracene	15 ug/mL
							Dibenzofuran	15 ug/mL
							Diethyl phthalate	15 ug/mL
							Dimethyl phthalate	15 ug/mL
							Ethyl methacrylate	15 ug/mL
							Fluoranthene	15 ug/mL
							Fluorene	15 ug/mL
							Indeno[1,2,3-cd]pyrene	15 ug/mL
							Isophorone	15 ug/mL
							Naphthalene	15 ug/mL
							Phenanthrene	15 ug/mL
							Pyrene	15 ug/mL
							1,2,3,5-Tetrachlorobenzene	15 ug/mL
							1,2,4-Trichlorobenzene	15 ug/mL
							1,2-Dichlorobenzene	15 ug/mL
							1,2-Dinitrobenzene	15 ug/mL
							1,3,5-Trichlorobenzene	15 ug/mL
							1,3-Dichlorobenzene	15 ug/mL
							2,4-Dinitrotoluene	15 ug/mL
							2,6-Dinitrotoluene	15 ug/mL
							2-Chloronaphthalene	15 ug/mL
							2-Fluorobiphenyl (Surr)	15 ug/mL
							3-Chloropropionitrile	15 ug/mL
							4-Bromophenyl phenyl ether	15 ug/mL
							4-Chlorophenyl phenyl ether	15 ug/mL
							Benzaldehyde	15 ug/mL
							bis (2-chloroisopropyl) ether	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	15 ug/mL
							Bis(2-chloroethyl)ether	15 ug/mL
							Hexachlorobenzene	15 ug/mL
							Hexachlorobutadiene	15 ug/mL
							Hexachlorocyclopentadiene	15 ug/mL
							Hexachloroethane	15 ug/mL
							Malononitrile	15 ug/mL
							Nitrobenzene	15 ug/mL
							Nitrobenzene-d5 (Surr)	15 ug/mL
							Terphenyl-d14 (Surr)	15 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L8 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	400 uL	2,4-Dinitrophenol	40 ug/mL
							Benzoic acid	40 ug/mL
							Pentachlorophenol	40 ug/mL
					SMTCL DPH ST_00003	400 uL	1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2-Chlorophenol	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenol	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							2,4-Toluene diamine	20 ug/mL
							2-Nitroaniline	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							3,3'-Dimethoxybenzidine	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Nitroaniline	20 ug/mL
							Aniline	20 ug/mL
							Atrazine	20 ug/mL
							Benzidine	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Pyridine	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Caprolactam	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Ethyl methacrylate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
							1,2,3,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dinitrobenzene	20 ug/mL
							1,3,5-Trichlorobenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							3-Chloropropionitrile	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							Benzaldehyde	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Malononitrile	20 ug/mL
							Nitrobenzene	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L9 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	500 uL	2,4-Dinitrophenol	50 ug/mL
							Benzoic acid	50 ug/mL
							Pentachlorophenol	50 ug/mL
					SMTCL DPH ST_00003	500 uL	1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	25 ug/mL
							2,3,5,6-Tetrachlorophenol	25 ug/mL
							2,4,5-Trichlorophenol	25 ug/mL
							2,4,6-Tribromophenol (Surr)	25 ug/mL
							2,4,6-Trichlorophenol	25 ug/mL
							2,4-Dichlorophenol	25 ug/mL
							2,4-Dimethylphenol	25 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2-Chlorophenol	25 ug/mL
							2-Fluorophenol (Surr)	25 ug/mL
							2-Methylphenol	25 ug/mL
							2-Nitrophenol	25 ug/mL
							3 & 4 Methylphenol	25 ug/mL
							4,6-Dinitro-2-methylphenol	25 ug/mL
							4-Chloro-3-methylphenol	25 ug/mL
							4-Nitrophenol	25 ug/mL
							Benzoic acid	50 ug/mL
							Benzyl alcohol	25 ug/mL
							Pentachlorophenol	50 ug/mL
							Phenol	25 ug/mL
							Phenol-d5 (Surr)	25 ug/mL
							2,4-Toluene diamine	25 ug/mL
							2-Nitroaniline	25 ug/mL
							3,3'-Dichlorobenzidine	25 ug/mL
							3,3'-Dimethoxybenzidine	25 ug/mL
							3-Nitroaniline	25 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	25 ug/mL
							4-Chloroaniline	25 ug/mL
							4-Nitroaniline	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	25 ug/mL
							Atrazine	25 ug/mL
							Benzidine	25 ug/mL
							N-Nitrosodi-n-propylamine	25 ug/mL
							N-Nitrosodimethylamine	25 ug/mL
							N-Nitrosodiphenylamine	25 ug/mL
							Pyridine	25 ug/mL
							1,1'-Biphenyl	25 ug/mL
							1,2-Diphenylhydrazine	25 ug/mL
							1-Methylnaphthalene	25 ug/mL
							2-Methylnaphthalene	25 ug/mL
							Acenaphthene	25 ug/mL
							Acenaphthylene	25 ug/mL
							Acetophenone	25 ug/mL
							Anthracene	25 ug/mL
							Azobenzene	25 ug/mL
							Benzo[a]anthracene	25 ug/mL
							Benzo[a]pyrene	25 ug/mL
							Benzo[b]fluoranthene	25 ug/mL
							Benzo[g,h,i]perylene	25 ug/mL
							Benzo[k]fluoranthene	25 ug/mL
							Bis(2-ethylhexyl) phthalate	25 ug/mL
							Butyl benzyl phthalate	25 ug/mL
							Caprolactam	25 ug/mL
							Carbazole	25 ug/mL
							Chrysene	25 ug/mL
							Di-n-butyl phthalate	25 ug/mL
							Di-n-octyl phthalate	25 ug/mL
							Dibenz(a,h)anthracene	25 ug/mL
							Dibenzofuran	25 ug/mL
							Diethyl phthalate	25 ug/mL
							Dimethyl phthalate	25 ug/mL
							Ethyl methacrylate	25 ug/mL
							Fluoranthene	25 ug/mL
							Fluorene	25 ug/mL
							Indeno[1,2,3-cd]pyrene	25 ug/mL
							Isophorone	25 ug/mL
							Naphthalene	25 ug/mL
							Phenanthrene	25 ug/mL
							Pyrene	25 ug/mL
							1,2,3,5-Tetrachlorobenzene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dinitrobenzene	25 ug/mL
							1,3,5-Trichlorobenzene	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							2,4-Dinitrotoluene	25 ug/mL
							2,6-Dinitrotoluene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	25 ug/mL
							2-Fluorobiphenyl (Surr)	25 ug/mL
							3-Chloropropionitrile	25 ug/mL
							4-Bromophenyl phenyl ether	25 ug/mL
							4-Chlorophenyl phenyl ether	25 ug/mL
							Benzaldehyde	25 ug/mL
							bis (2-chloroisopropyl) ether	25 ug/mL
							Bis(2-chloroethoxy)methane	25 ug/mL
							Bis(2-chloroethyl)ether	25 ug/mL
							Hexachlorobenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexachlorocyclopentadiene	25 ug/mL
							Hexachloroethane	25 ug/mL
							Malononitrile	25 ug/mL
							Nitrobenzene	25 ug/mL
							Nitrobenzene-d5 (Surr)	25 ug/mL
							Terphenyl-d14 (Surr)	25 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
VM250-IS_00012	04/10/13	10/10/12	MEOH, Lot 123279	100 mL	vmcus8126_00007	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
.vmcus8126_00007	09/30/14		Ultra Scientific, Lot CJ-3237		(Purchased Reagent)		1,4-Dichlorobenzene-d4	25000 ug/mL
							Chlorobenzene-d5	25000 ug/mL
							Fluorobenzene	25000 ug/mL
VM250SS_00009	03/05/13	09/05/12	MEOH, Lot 117046	100 mL	VMCUS8125_00007	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.VMCUS8125_00007	10/31/14		Ultra Scientific, Lot CG-3334		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	25000 ug/mL
							4-Bromofluorobenzene (Surr)	25000 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	25000 ug/mL
							Toluene-d8 (Surr)	25000 ug/mL
VM2MNP_00062	12/09/12	11/09/12	MEOH, Lot na	1 mL	VMSV200_00008	1 mL	2-Methylnaphthalene	100 ug/mL
.VMSV200_00008	08/31/14		ULTRA, Lot CC-1268Z		(Purchased Reagent)		2-Methylnaphthalene	100 ug/mL
VM50IS_00021	11/21/12	08/21/12	MEOH, Lot 117046	50 mL	VMSTM520_00016	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.VMSTM520_00016	12/31/14		Ultra Scientific, Lot CH-3660		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50ss_00082	11/12/12	11/05/12	MEOH, Lot na	2 mL	vm50ss_stk_00041	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00041	01/02/13	10/03/12	MEOH, Lot 117046	50 mL	VMstm530_00014	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VMstm530_00014	05/31/15		Ultra Scientific, Lot CJ-1280		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_00083	11/20/12	11/13/12	MEOH, Lot na	2 mL	vm50ss_stk_00043	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00043	02/12/13	11/12/12	MEOH, Lot 123279	50 mL	VMstm530_00016	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VMstm530_00016	05/31/15		Ultra Scientific, Lot CJ-1280		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vmap9_00099	11/16/12	11/09/12	MEOH, Lot na	1 mL	VMCU12302_00010	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Cyclohexanone	500 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl ether	50 ug/mL
							Isobutyl alcohol	1000 ug/mL
							Isopropyl ether	250 ug/mL
							Methacrylonitrile	50 ug/mL
							Methyl methacrylate	50 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	1000 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	100 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
.VMCU12302_00010	09/30/14	Ultra Scientific, Lot CJ-3239			(Purchased Reagent)		1,2,3-Trimethylbenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Cyclohexanone	500 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl ether	50 ug/mL
							Isobutyl alcohol	1000 ug/mL
							Isopropyl ether	250 ug/mL
							Methacrylonitrile	50 ug/mL
							Methyl methacrylate	50 ug/mL
							n-Butanol	1000 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	100 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
VMCGAS_00095	11/12/12	11/05/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15	ULTRA, Lot CJ-0858			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMCGAS_00096	11/20/12	11/13/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15	ULTRA, Lot CJ-0858			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMFASWS_00116	11/15/12	11/08/12	MEOH, Lot na	3 mL	VMFAS_00032	3 mL	Bromomethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00032	11/22/12	10/22/12	MEOH, Lot 123279	100 mL	VM48799U_00009	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00015	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00009	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00015	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMFASWS_00117	11/22/12	11/16/12	MEOH, Lot na	3 mL	VMFAS_00032	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00032	11/22/12	10/22/12	MEOH, Lot 123279	100 mL	VM48799U_00009	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00015	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..VM48799U_00009	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00015	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMPRIMARY_00146	11/16/12	11/09/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14	Ultra Scientific, Lot CJ-0210			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMPRIMARY_00147	11/20/12	11/13/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14		Ultra Scientific, Lot CJ-0210		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMSUPPW_00099	11/16/12	11/09/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Vinyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VMCU5013_00008	1 mL	Vinyl acetate	50 ug/mL
					VMCUS8634_00007	1 mL	Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
					VMEPA1016_00003	1 mL	2-Chloroethyl vinyl ether	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
..VMCU5013_00008	01/31/13		Ultra, Lot CJ-3443		(Purchased Reagent)		Vinyl acetate	2500 ug/mL
..VMCUS8634_00007	01/31/13		Ultra, Lot CJ-3453		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Acrolein	25000 ug/mL
							Acrylonitrile	5000 ug/mL
..VMEPA1016_00003	04/30/13		Ultra, Lot CG-0850		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
.HP8330SU_00008	05/15/13	Restek, Lot A087054			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
HP8330IC_00005	10/19/12	06/13/12	25% 0.1%HOAc in ACN, Lot 4457-41A	10 mL	HP8330TA_00007	25 uL	1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							2-Nitrotoluene	500 ng/mL
							3-Nitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							4-Nitrotoluene	500 ng/mL
							HMX	500 ng/mL
							Nitrobenzene	500 ng/mL
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPNGTA_00011	5 uL	Nitroglycerin	500 ng/mL
					HPPETNTA_00006	5 uL	PETN	500 ng/mL
.HP8330TA_00007	10/30/12	Cerilliant, Lot ER083011-01			(Purchased Reagent)		1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							2,4,6-Trinitrotoluene	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Amino-4,6-dinitrotoluene	200 ug/mL
							2-Nitrotoluene	200 ug/mL
							3-Nitrotoluene	200 ug/mL
							4-Amino-2,6-dinitrotoluene	200 ug/mL
							4-Nitrotoluene	200 ug/mL
							HMX	200 ug/mL
							Nitrobenzene	200 ug/mL
							RDX	200 ug/mL
							Tetryl	200 ug/mL
.HPNGTA_00011	10/31/12	Cerilliant, Lot FN052106-01			(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNTA_00006	10/30/12	Cerilliant, Lot FN102810-02			(Purchased Reagent)		PETN	1000 ug/mL
HP8330ICL_00002	12/07/12	07/27/12	25:75 HOAc/ACN, Lot 4457-41E	50 mL	HP34DNTSU_00004	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00006	5 uL	1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
					HPNGSP_00004	20 uL	Nitroglycerin	20 ng/mL
					HPPETNSP_00003	20 uL	PETN	20 ng/mL
.HP34DNTSU_00004	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00004	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00004	12/07/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HP8330SP_00005	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330SP_00005	12/11/12		Restek, Lot A078069		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L1_00004	12/07/12	08/29/12	25% 1%HoAC in ACN 75, Lot 4457-51G	50 mL	HP8330L4_00003	5 mL	3,4-Dinitrotoluene	5 ng/mL
							3,5-Dinitroaniline	5 ng/mL
							1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
							Ethylene glycol dinitrate	5 ng/mL
							Nitroglycerin	5 ng/mL
							2,4,6-Trinitrophenol	10 ng/mL
							PETN	5 ng/mL
.HP8330L4_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00008	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00003	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGSP_00004	50 uL	Nitroglycerin	50 ng/mL
					HPPASP_00006	100 uL	2,4,6-Trinitrophenol	100 ng/mL
					HPPETNSP_00003	50 uL	PETN	50 ng/mL
..HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
...HP8330SU_00006	01/27/13	Restek, Lot A082463			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
..HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
...HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
...HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
..HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
...HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
..HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
...HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
...HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
..HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
...HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L2_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	10 uL	3,4-Dinitrotoluene	10 ng/mL
					HP8330SP_00008	10 uL	3,5-Dinitroaniline	10 ng/mL
							1,3,5-Trinitrobenzene	10 ng/mL
							1,3-Dinitrobenzene	10 ng/mL
							2,4,6-Trinitrotoluene	10 ng/mL
							2,4-Dinitrotoluene	10 ng/mL
							2,6-Dinitrotoluene	10 ng/mL
							2-Amino-4,6-dinitrotoluene	10 ng/mL
							2-Nitrotoluene	10 ng/mL
							3-Nitrotoluene	10 ng/mL
							4-Amino-2,6-dinitrotoluene	10 ng/mL
							4-Nitrotoluene	10 ng/mL
							HMX	10 ng/mL
							Nitrobenzene	10 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							RDX	10 ng/mL
							Tetryl	10 ng/mL
					HPEGDNSP_00003	10 uL	Ethylene glycol dinitrate	10 ng/mL
					HPNGSP_00004	10 uL	Nitroglycerin	10 ng/mL
					HPPASP_00006	20 uL	2,4,6-Trinitrophenol	20 ng/mL
					HPPETNSP_00003	10 uL	PETN	10 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L3_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00008	20 uL	3,5-Dinitroaniline	20 ng/mL
							1,3,5-Trinitrobenzene	20 ng/mL
							1,3-Dinitrobenzene	20 ng/mL
							2,4,6-Trinitrotoluene	20 ng/mL
							2,4-Dinitrotoluene	20 ng/mL
							2,6-Dinitrotoluene	20 ng/mL
							2-Amino-4,6-dinitrotoluene	20 ng/mL
							2-Nitrotoluene	20 ng/mL
							3-Nitrotoluene	20 ng/mL
							4-Amino-2,6-dinitrotoluene	20 ng/mL
							4-Nitrotoluene	20 ng/mL
							HMX	20 ng/mL
							Nitrobenzene	20 ng/mL
							RDX	20 ng/mL
							Tetryl	20 ng/mL
					HPEGDNSP_00003	20 uL	Ethylene glycol dinitrate	20 ng/mL
					HPNGSP_00004	20 uL	Nitroglycerin	20 ng/mL
					HPPASP_00006	50 uL	2,4,6-Trinitrophenol	50 ng/mL
					HPPETNSP_00003	20 uL	PETN	20 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L4_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00008	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00003	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGSP_00004	50 uL	Nitroglycerin	50 ng/mL
					HPPASP_00006	100 uL	2,4,6-Trinitrophenol	100 ng/mL
					HPPETNSP_00003	50 uL	PETN	50 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L5_00004	12/07/12	08/29/12	25% 1%HoAC in ACN 75, Lot 4457-17F	200 mL	HP34DNTSU_00005	400 uL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00008	400 uL	3,5-Dinitroaniline	100 ng/mL
							1,3,5-Trinitrobenzene	100 ng/mL
							1,3-Dinitrobenzene	100 ng/mL
							2,4,6-Trinitrotoluene	100 ng/mL
							2,4-Dinitrotoluene	100 ng/mL
							2,6-Dinitrotoluene	100 ng/mL
							2-Amino-4,6-dinitrotoluene	100 ng/mL
							2-Nitrotoluene	100 ng/mL
							3-Nitrotoluene	100 ng/mL
							4-Amino-2,6-dinitrotoluene	100 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	100 ng/mL
							HMX	100 ng/mL
							Nitrobenzene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
					HPEGDNSP_00003	400 uL	Ethylene glycol dinitrate	100 ng/mL
					HPNGSP_00004	400 uL	Nitroglycerin	100 ng/mL
					HPPASP_00006	800 uL	2,4,6-Trinitrophenol	200 ng/mL
					HPPETNSP_00003	400 uL	PETN	100 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13	Restek, Lot A082463			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16	Restek, Lot A085338			(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15	Restek, Lot A084334			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12	Restek, Lot A066822			(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12	Restek, Lot A082035			(Purchased Reagent)		Nitroglycerin	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L6_00004	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	100 mL	HP34DNTSU_00005	400 uL	3,4-Dinitrotoluene	200 ng/mL
					HP8330SP_00008	400 uL	3,5-Dinitroaniline	200 ng/mL
							1,3,5-Trinitrobenzene	200 ng/mL
							1,3-Dinitrobenzene	200 ng/mL
							2,4,6-Trinitrotoluene	200 ng/mL
							2,4-Dinitrotoluene	200 ng/mL
							2,6-Dinitrotoluene	200 ng/mL
							2-Amino-4,6-dinitrotoluene	200 ng/mL
							2-Nitrotoluene	200 ng/mL
							3-Nitrotoluene	200 ng/mL
							4-Amino-2,6-dinitrotoluene	200 ng/mL
							4-Nitrotoluene	200 ng/mL
							HMX	200 ng/mL
							Nitrobenzene	200 ng/mL
							RDX	200 ng/mL
							Tetryl	200 ng/mL
					HPEGDNSP_00003	400 uL	Ethylene glycol dinitrate	200 ng/mL
					HPNGSP_00004	400 uL	Nitroglycerin	200 ng/mL
					HPPASP_00006	1000 uL	2,4,6-Trinitrophenol	500 ng/mL
					HPPETNSP_00003	400 uL	PETN	200 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L7_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNTSU_00005	150 uL	3,4-Dinitrotoluene	300 ng/mL
					HP8330SP_00008	250 uL	3,5-Dinitroaniline	500 ng/mL
							1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							2-Nitrotoluene	500 ng/mL
							3-Nitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							4-Nitrotoluene	500 ng/mL
							HMX	500 ng/mL
							Nitrobenzene	500 ng/mL
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPEGDNSP_00003	250 uL	Ethylene glycol dinitrate	500 ng/mL
					HPNGSP_00004	250 uL	Nitroglycerin	500 ng/mL
					HPPASP_00006	500 uL	2,4,6-Trinitrophenol	1000 ng/mL
					HPPETNSP_00003	250 uL	PETN	500 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L8_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNTSU_00005	250 uL	3,4-Dinitrotoluene	500 ng/mL
					HP8330SP_00008	500 uL	3,5-Dinitroaniline	1000 ng/mL
							1,3,5-Trinitrobenzene	1000 ng/mL
							1,3-Dinitrobenzene	1000 ng/mL
							2,4,6-Trinitrotoluene	1000 ng/mL
							2,4-Dinitrotoluene	1000 ng/mL
							2,6-Dinitrotoluene	1000 ng/mL
							2-Amino-4,6-dinitrotoluene	1000 ng/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrotoluene	1000 ng/mL
							3-Nitrotoluene	1000 ng/mL
							4-Amino-2,6-dinitrotoluene	1000 ng/mL
							4-Nitrotoluene	1000 ng/mL
							HMX	1000 ng/mL
							Nitrobenzene	1000 ng/mL
							RDX	1000 ng/mL
							Tetryl	1000 ng/mL
					HPEGDNSP_00003	500 uL	Ethylene glycol dinitrate	1000 ng/mL
					HPNGSP_00004	500 uL	Nitroglycerin	1000 ng/mL
					HPPASP_00006	1 mL	2,4,6-Trinitrophenol	2000 ng/mL
					HPPETNSP_00003	500 uL	PETN	1000 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
.HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
.HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
HPNCSP_00007	04/05/13	11/05/12	Acetone, Lot Acetone_00004	200 mL	HPNCTA_00001	0.102 g	Nitrocellulose	510 ug/mL
.HPNCTA_00001	03/19/17		Theater Affects, Lot 031912		(Purchased Reagent)		Nitrocellulose	1 g/g
HPNGSP_00006	12/07/12	09/05/12	Methanol, Lot K18E18	50 mL	HPNGTA_00003	2.5 mL	Nitroglycerin	50 ug/mL
.HPNGTA_00003	03/06/13		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
HPNQ2xMDL_00002	04/15/13	10/16/12	DI Water, Lot M10152012	4 mL	HPNQL2_00003	1 mL	Nitroguanidine	5 ng/mL
.HPNQL2_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	20 uL	Nitroguanidine	20 ng/mL
..HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...HPNQTA_00002	04/15/13		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQIC_00002	12/12/12	06/12/12	Water, Lot NA	50 mL	HPNQTA_00009	0.1 mL	Nitroguanidine	200 ng/mL
.HPNQTA_00009	12/12/12		AccuStandard, Inc, Lot 211111014		(Purchased Reagent)		Nitroguanidine	100 ug/mL
HPNQL2_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	20 uL	Nitroguanidine	20 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL3_00003	04/15/13	10/12/12	Water, Lot M10152012	50 mL	HPNQSP_00006	50 uL	Nitroguanidine	50 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL4_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	100 uL	Nitroguanidine	100 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL5_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	200 uL	Nitroguanidine	200 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL6_00003	04/15/13	10/16/12	Water, Lot M10152012	25 mL	HPNQSP_00006	250 uL	Nitroguanidine	500 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL7_00003	04/15/13	10/16/12	Water, Lot M10152012	25 mL	HPNQSP_00006	500 uL	Nitroguanidine	1000 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
.HPNQTA_00002	04/15/13		Restek, Lot A076817		(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPPETNSP_00005	03/05/13	09/05/12	Methanol, Lot K41815	50 mL	HPPETNTA_00009	2.5 mL	PETN	50 ug/mL
.HPPETNTA_00009	03/05/13		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
WC-353.2-ICV_00010	12/14/12	11/14/12	DI Water, Lot xxxx	100 mL	WC-N02-1000_00014	0.05 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	4.491 mg/L as N
					WC-N03-1000_00002	0.05 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	4.491 mg/L as N
.WC-N02-1000_00014	08/14/13		CPI International, Lot 12B200		(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8475 mg/L as N
.WC-N03-1000_00002	08/14/13		RICCA, Lot 1204143		(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	507 mg/L as N
WC-353.2-L1_00011	12/14/12	11/14/12	DI Water, Lot xxxx	100 mL	WC-353.2-INT_00009	0.05 mL	Nitrocellulose	0.42375 mg/L as N
.WC-353.2-INT_00009	12/14/12	11/14/12	DI Water, Lot xxxxxxx	10 mL	WC-N02-1000_00013	0.5 mL	Nitrocellulose	847.5 mg/L as N
					WC-N03-1000_00003	0.5 mL	Nitrocellulose	847.5 mg/L as N

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..WC-N02-1000_00013	11/09/13	ERA, Lot 210912			(Purchased Reagent)		Nitrocellulose	8475 mg/L as N
..WC-N03-1000_00003	04/19/13	ERA, Lot 2040212			(Purchased Reagent)		Nitrocellulose	8475 mg/L as N
WC-353.2-L4_00008	12/14/12	11/14/12	DI Water, Lot xxxx	100 mL	WC-353.2-INT_00009	1 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.475 mg/L as N
.WC-353.2-INT_00009	12/14/12	11/14/12	DI Water, Lot xxxxxxx	10 mL	WC-N02-1000_00013	0.5 mL	Nitrate Nitrite as N	100 mg/L as N
							Nitrocellulose	847.5 mg/L as N
					WC-N03-1000_00003	0.5 mL	Nitrate Nitrite as N	100 mg/L as N
							Nitrocellulose	847.5 mg/L as N
..WC-N02-1000_00013	11/09/13	ERA, Lot 210912			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8475 mg/L as N
..WC-N03-1000_00003	04/19/13	ERA, Lot 2040212			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8475 mg/L as N

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Phone (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

rec'd SG 8-24-12

Product Description:

Name:	Mercury	Source Material:	Mercury Metal
Part Number:	**10 33-1**	Material Purity:	99.9998%
Lot Number:	**1221902**	Matrix:	5% (v/v) HNO_3

Certified Value: 10.0 µg/mL ± 0.1 µg/mL

The Certified value is based on gravimetric and volumetric preparation, and confirmed against SRM 3133 (lot number 061204) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Preparation Information:

The standard solution is prepared using high purity materials and assayed by analytical methods for conformity prior to use. This standard was prepared using the methods developed at NIST for SRM Spectrometric Standard Solutions under appropriate laboratory conditions.

Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 mega ohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards:**
The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: August 6, 2012
Shipped Date: AUG 2 0 2012
Expiration Date: AUG 2 0 2013
Certificate Issue Date: August 7, 2012

Quality Information:

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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Certificate of Analysis

rec'd 7-12-12 SG

Product Description:

Name:	ICP-MS-2
Part Number:	**SM-606-049**
Lot Number:	**1218529**
Matrix:	5% HNO_3
Purity:	99.98% - 99.9995%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Al	1000 ± 5	3101a	060502	Mg	1000 ± 5	3131a	050302
Ca	1000 ± 5	3109a	050825	K	1000 ± 5	3141a	051220
Fe	1000 ± 5	3126a	051031	Na	1000 ± 5	3152a	010728

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2
* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: July 3, 2012
Shipped Date: JUL 10 2012
Expiration Date: JUL 10 2013
Certificate Issue Date: July 5, 2012

Quality Information:

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

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Recd 1.12.12 4PM

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Certificate of Analysis

SM-606-021 (ICV/LCS-1 10ppm)

Solution A

Lot # 1200416

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.997+%	HNO_3, 2%	10 µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JAN 10 2013
MSDS ATTACHED

SM-606-021 (ICV/LCS-1 10ppm)

Solution A

Element List

(10 µg/mL)

Arsenic
Barium
Beryllium
Boron
Cadmium
Chromium
Cobalt
Copper
Lead
Manganese
Nickel
Selenium
Strontium
Thallium
Vanadium
Zinc

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Certificate of Analysis

Rec'd 9-13-12 km

Product Description:

Name:	ICPMS 1A
Part Number:	**SM-606-119**
	Solution A
Lot Number:	**1225405**
Matrix:	2% HNO_3
* Purity:	99.995% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
As	100 ± 1	3103a	100818	Mn	100 ± 1	3132	050429
Ba	100.0 ± 0.6	3104a	070222	Ni	100.0 ± 0.5	3136	000612
Be	100 ± 1	3105a	090514	Se	100 ± 1	3149	100901
Cd	100.0 ± 0.5	3108	060531	Sr	100.0 ± 0.5	3153a	990906
Cr	100.0 ± 0.5	3112a	030730	Tl	25 ± 0.2	3158	993012
Co	100.0 ± 0.5	3113	000630	V	100.0 ± 0.6	3165	992706
Cu	100.0 ± 0.5	3114	011017	Zn	100.0 ± 0.5	3168a	080123
Pb	100.0 ± 0.6	3128	101026				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: **September 10, 2012**
Shipped Date: SEP 1 1 2012
Expiration Date: SEP 1 1 2013
Certificate Issue Date: **September 10, 2012**

Quality Information:

ACLASS ACCREDITED TESTING
ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

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Recd 1.12.12 VPM

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Certificate of Analysis

SM-606-021 (ICV/LCS-1 10ppm)

Solution B

Lot # 1200435

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.8+%	HNO_3, 2% + Tr HF	10 µg/mL ± 0.5% Antimony, Molybdenum, Silver, Tin, Titanium, Tungsten, Zirconium

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JAN 10 2013

MSDS ATTACHED

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Phone (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

Rec'd 9-13-12 km

Product Description:

Name:	ICPMS 1B
Part Number:	**SM-606-119**
	Soluiton B
Lot Number:	**1225412**
Matrix:	2% HNO_3 + Tr HF
Purity:	99.98% - 99.999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Sb	10.0 ± 0.6	3102a	061229	Sn	10.0 ± 0.6	3161a	070330
B	10.0 ± 0.5	3107	070514	Ti	10.0 ± 0.6	3162a	060808
Mo	10.0 ± 0.6	3134	891307	W	10.0 ± 0.6	3163	080331
Ag	10.0 ± 0.5	3151	992212				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2
* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: September 10, 2012
Shipped Date: SEP 1 1 2012
Expiration Date: SEP 1 1 2013
Certificate Issue Date: September 10, 2012

Quality Information:

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

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fax: 540.585.3012
info@inorganicventures.com

CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: STLPA-CAL-SPECA-REV

Lot Number: **F2-MEB428149**

Matrix: 3% HNO3(v/v)

2,500 µg/mL ea:
Ca, K, Mg, Na,

1,250 µg/mL ea:
Fe,

25 µg/mL ea:
Al, Mn,

5 µg/mL ea:
Ag, As, Ba, Be, Cd, Co, Cr3, Cu, Ni,
Pb, Se, Sr, Tl, V, Zn

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	24.99 ± 0.20 µg/mL	Arsenic, As	5.001 ± 0.032 µg/mL	Barium, Ba	5.000 ± 0.036 µg/mL
Beryllium, Be	5.000 ± 0.036 µg/mL	Cadmium, Cd	5.000 ± 0.032 µg/mL	Calcium, Ca	2,500 ± 17 µg/mL
Chromium+3, Cr3	5.001 ± 0.032 µg/mL	Cobalt, Co	5.001 ± 0.032 µg/mL	Copper, Cu	5.000 ± 0.032 µg/mL
Iron, Fe	1,250 ± 8 µg/mL	Lead, Pb	5.000 ± 0.032 µg/mL	Magnesium, Mg	2,500 ± 16 µg/mL
Manganese, Mn	24.99 ± 0.19 µg/mL	Nickel, Ni	5.000 ± 0.028 µg/mL	Potassium, K	2,500 ± 18 µg/mL
Selenium, Se	5.000 ± 0.028 µg/mL	Silver, Ag	5.000 ± 0.032 µg/mL	Sodium, Na	2,500 ± 17 µg/mL
Strontium, Sr	5.000 ± 0.032 µg/mL	Thallium, Tl	5.000 ± 0.032 µg/mL	Vanadium, V	5.001 ± 0.032 µg/mL
Zinc, Zn	5.001 ± 0.032 µg/mL				

Certified Density: 1.051 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty (±) = $2 [\Sigma(s_i)^2]^{½}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{½}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212	Ag	Volhard	999b	999b
Al	ICP Assay	3101a	060502	Al	EDTA	928	928
As	Calculated		See Sec. 4.2	As	ICP Assay	3103a	010713
Ba	Gravimetric		See Sec. 4.2	Ba	ICP Assay	3104a	070222
Be	Calculated		See Sec. 4.2	Be	ICP Assay	3105a	892707
Ca	ICP Assay	3109a	050825	Ca	EDTA	928	928
Cd	ICP Assay	3108	060531	Cd	EDTA	928	928
Co	ICP Assay	3113	00630	Co	EDTA	928	928
Cr3	Calculated		See Sec. 4.2	Cr3	ICP Assay	3112a	030730
Cu	ICP Assay	3114	011017	Cu	EDTA	928	928
Fe	ICP Assay	3126a	051031	Fe	EDTA	928	928
K	Gravimetric		See Sec. 4.2	K	ICP Assay	3141a	051220
Mg	ICP Assay	3131a	050302	Mg	EDTA	928	928
Mn	ICP Assay	3132	050429	Mn	EDTA	928	928
Na	Gravimetric		See Sec. 4.2	Na	ICP Assay	3152a	010728
Ni	ICP Assay	3136	000612	Ni	EDTA	928	928
Pb	ICP Assay	3128	101026	Pb	EDTA	928	928
Se	Calculated		See Sec. 4.2	Se	ICP Assay	3149	992106
Sr	ICP Assay	3153a	990906	Sr	EDTA	928	928
Tl	Calculated		See Sec. 4.2	Tl	ICP Assay	3158	993012
V	ICP Assay	3165	992706	V	EDTA	928	928
Zn	ICP Assay	3168a	080123	Zn	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4ºC. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI File Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: July 03, 2012

Expiration Date: EXPIRES 01 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Christy Shortridge
Product Documentation Technician

Christy Shortridge

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Brian Alexander

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Paul R Gaines

INORGANIC VENTURES™
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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: CAL-SPECC

Lot Number: **F2-MEB428150**

Matrix: tr. HF, 3% HNO3(v/v)

Reed 7/13/12

5 µg/mL ea:

B, Mo, Sb, Sn, Ti, W

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	4.999 ± 0.046 µg/mL	Boron, B	4.999 ± 0.032 µg/mL	Molybdenum, Mo	4.999 ± 0.036 µg/mL
Tin, Sn	4.999 ± 0.041 µg/mL	Titanium, Ti	4.999 ± 0.040 µg/mL	Tungsten, W	5.000 ± 0.032 µg/mL

Certified Density: 1.014 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$$

$(\bar{x})$ = mean

x_i = individual results

n = number of measurements

2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 **TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **ASSAY INFORMATION**

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	Calculated		See Sec. 4.2	B	ICP Assay	3107	070514
Mo	Calculated		See Sec. 4.2	Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2	Sb	ICP Assay	3102A	061229
Sn	Calculated		See Sec. 4.2	Sn	ICP Assay	3161a	070330
Ti	Calculated		See Sec. 4.2	Ti	ICP Assay	3162a	060808
W	Calculated		See Sec. 4.2	W	ICP Assay	3163	080331

4.2 **BALANCE CALIBRATION -** All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION -** All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION -** An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: July 03, 2012

Expiration Date: EXPIRES 01 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Christy Shortridge
Product Documentation Technician

Christy Shortridge

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Brian Alexander

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Paul R Gaines

HIGH-PURITY STANDARDS
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Charleston, SC 29423
Phone (843) 767-7900
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Certificate of Analysis

Read 10/2/12
BLD

Product Description:

Name:	ICPMS RL-R
Part Number:	**SM-606-087**
Lot Number:	**1226917**
Matrix:	2% HNO_3 + Tr HF
Purity:	99.98% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Al	10.00 ± 0.05	3101a	060502	Mn	0.200 ± 0.002	3132	050429
Sb	0.400 ± 0.004	3102a	061229	Mo	2.00 ± 0.02	3134	891307
As	0.400 ± 0.004	3103a	100818	Ni	0.400 ± 0.004	3136	000612
Ba	0.200 ± 0.002	3104a	070222	K	200 ± 1	3141a	051220
Be	0.200 ± 0.002	3105a	090514	Se	0.400 ± 0.004	3149	100901
B	2.00 ± 0.01	3107	070514	Ag	0.100 ± 0.001	3151	992212
Cd	0.100 ± 0.001	3108	060531	Na	200 ± 1	3152a	010728
Ca	200 ± 1	3109a	050825	Sr	2.00 ± 0.01	3153a	990906
Cr	0.400 ± 0.004	3112a	030730	Tl	0.200 ± 0.002	3158	993012
Co	0.200 ± 0.002	3113	000630	Sn	2.00 ± 0.02	3161a	070330
Cu	0.400 ± 0.004	3114	011017	Ti	2.00 ± 0.02	3162a	060808
Fe	10.00 ± 0.05	3126a	051031	W	2.00 ± 0.02	3163	080331
Pb	0.200 ± 0.002	3128	101026	V	1.00 ± 0.01	3165	992706
Mg	200 ± 1	3131a	050302	Zn	2.00 ± 0.01	3168a	080123

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2
* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived

units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: September 25, 2012
Shipped Date: SEP 2 8 2012
Expiration Date: SEP 2 8 2013
Certificate Issue Date: September 27, 2012

Quality Information:

ACLASS ACCREDITED TESTING
ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: 6020ICS-0A

Lot Number: **E2-MEB371022**

Matrix: 1.4% HNO3(v/v)

Recd 4/16/12 BLD

10,000 µg/mL ea:
Chloride,

2,000 µg/mL ea:
C,

1,000 µg/mL ea:
Al, Ca, Fe, K, Mg, Na, P, S,

20 µg/mL ea:
Mo, Ti

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	1,002 ± 6 µg/mL	Calcium, Ca	1,002 ± 6 µg/mL	Carbon, C	2,004 ± 10 µg/mL
Chloride, Chloride	10,020.0 ± 20.0 µg/mL	Iron, Fe	1,002 ± 3 µg/mL	Magnesium, Mg	1,002 ± 7 µg/mL
Molybdenum, Mo	20.04 ± 0.10 µg/mL	Phosphorus, P	1,002 ± 5 µg/mL	Potassium, K	1,002 ± 5 µg/mL
Sodium, Na	1,002 ± 3 µg/mL	Sulfur, S	1,002 ± 5 µg/mL	Titanium, Ti	20.04 ± 0.10 µg/mL

Certified Density: 1.032 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$ Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Al	ICP Assay	3101a	060502
C	Gravimetric		See Sec. 4.2
Ca	EDTA	928	928
Chloride	Volhard	999b	999b
Fe	EDTA	928	928
K	ICP Assay	3141a	051220
Mg	EDTA	928	928
Mo	ICP Assay	3134	891307
Na	ICP Assay	3152a	010728
P	Acidimetric	84k	84k
S	Acidimetric	84k	84k
Ti	ICP Assay	3162a	060808

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Al	EDTA	928	928
Ca	ICP Assay	3109a	050825
Chloride	IC Assay	3182	060925
Fe	ICP Assay	3126a	051031
K	Calculated		See Sec. 4.2
Mg	ICP Assay	3131a	050302
Mo	Calculated		See Sec. 4.2
Na	Gravimetric		See Sec. 4.2
P	ICP Assay	3139a	890607
S	ICP Assay	3154	892205
Ti	Calculated		See Sec. 4.2

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL

Custom-Grade solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

s	Al		M	Dy	< 0.006000	O	Li	0.002200	M	Pr	< 0.000300	M	Te	< 0.030000
M	Sb	< 0.000500	M	Er	< 0.005000	M	Lu	< 0.000400	M	Re	< 0.001000	M	Tb	< 0.000300
O	As	< 0.006000	M	Eu	< 0.003000	s	Mg		M	Rh	< 0.001000	M	Tl	< 0.001000
O	Ba	0.001200	M	Gd	< 0.001000	O	Mn	< 0.010000	M	Rb	0.051999	M	Th	< 0.001000
O	Be	< 0.000090	M	Ga	< 0.001000	O	Hg	< 0.014000	M	Ru	< 0.002000	M	Tm	< 0.000400
M	Bi	< 0.000400	O	Ge	< 0.010000	s	Mo		M	Sm	< 0.001000	M	Sn	< 0.005000
O	B	< 0.050000	M	Au	< 0.003000	M	Nd	< 0.002000	M	Sc	< 0.010000	s	Ti	
O	Cd	< 0.005000	M	Hf	< 0.002000	O	Ni	< 0.010000	M	Se	< 0.299996	M	W	< 0.010000
s	Ca		M	Ho	< 0.000500	M	Nb	< 0.000500	N	Si		M	U	< 0.002000
M	Ce	< 0.005000	M	In	< 0.010000	n	Os		M	Ag	< 0.002000	O	V	< 0.010000
M	Cs	0.042999	M	Ir	< 0.005000	M	Pd	< 0.005000	s	Na		M	Yb	< 0.001000
O	Cr	< 0.010000	s	Fe		s	P		O	Sr	0.003200	M	Y	< 0.039999
M	Co	< 0.003000	M	La	< 0.000500	M	Pt	< 0.002000	s	S		O	Zn	< 0.020000
M	Cu	< 0.006000	M	Pb	< 0.003000	s	K		M	Ta	< 0.007000	M	Zr	< 0.005000

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4ºC. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element; Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to in-house procedure IV-MPM-004 and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: April 01, 2011

Expiration Date: EXPIRES 01 M 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Brenda Francis, Product Documentation Technician

Certificate Approved By: Madeline Gozzi, Quality Control Supervisor

Certifying Officer: Paul Gaines, PhD., Senior Technical Director

HIGH-PURITY STANDARDS
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Certificate of Analysis

rec'd 7-12-12 SG

Product Description:

Part Number:	**SM-606-031**
	Solution A
Lot Number:	**1218526**
Matrix:	2% HNO_3
Purity:	99.997% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
As	20.0 ± 0.2	3103a	100818	Pb	20.00 ± 0.12	3128	101026
Ba	20.00 ± 0.12	3104a	070222	Mn	20.0 ± 0.2	3132	050429
Be	20.0 ± 0.2	3105a	090514	Ni	20.0 ± 0.1	3136	000612
B	20.0 ± 0.1	3107	070514	Se	20.0 ± 0.2	3149	100901
Cd	20.0 ± 0.1	3108	060531	Sr	20.0 ± 0.1	3153a	990906
Cr	20.0 ± 0.1	3112a	030730	Tl	20.0 ± 0.1	3158	993012
Co	20.0 ± 0.1	3113	000630	V	20.00 ± 0.12	3165	992706
Cu	20.0 ± 0.1	3114	011017	Zn	20.0 ± 0.1	3168a	080123

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: July 3, 2012
Shipped Date: JUL 10 2012
Expiration Date: JUL 10 2013
Certificate Issue Date: July 9, 2012

Quality Information:

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

HIGH-PURITY STANDARDS
www.highpuritystandards.com

P.O. Box 41727
Charleston, SC 29423
Phone (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

rec'd 7-12-12 SG

Product Description:

Part Number:	**SM-606-031**
	Solution B
Lot Number:	**1218527**
Matrix:	2% HNO_3 + Tr HF
Purity:	99.8% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Sb	20.00 ± 0.12	3102a	061229	Ti	20.00 ± 0.12	3162a	060808
Mo	20.00 ± 0.12	3134	891307	W	20.00 ± 0.12	3163	080331
Ag	20.0 ± 0.1	3151	992212	Zr	20.00 ± 0.12	3169	071226
Sn	20.00 ± 0.12	3161a	070330				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: July 3, 2012
Shipped Date: JUL 10 2012
Expiration Date: JUL 10 2013
Certificate Issue Date: July 9, 2012

Quality Information:

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

HIGH-PURITY STANDARDS
www.highpuritystandards.com

P.O. Box 41727
Charleston, SC 29423
Phone (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

Rev'd 1-18-12 hjm

SM-606-102 (ICPMS ICV)

Lot # 1201317

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts and Oxides	99.98+%	HNO_3, 2%	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JAN 16 2013
MSDS ATTACHED

SM-606-102
(ICPMS ICV)
Element List
(µg/mL)

Aluminum	10
Arsenic	2
Barium	2
Beryllium	2
Cadmium	2
Calcium	1000
Chromium	2
Cobalt	2
Copper	2
Iron	500
Lead	2
Magnesium	1000
Manganese	10
Nickel	2
Potassium	1000
Selenium	2
Silver	2
Sodium	1000
Strontium	2
Thallium	2
Vanadium	2
Zinc	2

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www.highpuritystandards.com

P.O. Box 41727
Charleston, SC 29423
Phone (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

rec'd 7-12-12 SC

Product Description:

Name:	ICV-SPECC
Part Number:	**SM-606-079**
Lot Number:	**1218720**
Matrix:	2% HNO_3 + 0.1% HF
Purity:	99.98% - 99.999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Sb	2.00 ± 0.01	3102a	061229	Sn	2.00 ± 0.01	3161a	070330
B	2.00 ± 0.01	3107	070514	Ti	2.00 ± 0.01	3162a	060808
Mo	2.00 ± 0.01	3134	891307	W	2.00 ± 0.01	3163	080331

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards**
The Calibration Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: July 5, 2012
Shipped Date: JUL 10 2012
Expiration Date: JUL 10 2013
Certificate Issue Date: July 10, 2012

Quality Information:

ACLASS ACCREDITED TESTING

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

Certificate of Analysis

Aroclor 1016 Solution

Product Number: PP-281 **Page:** 1 of 1

Lot Number: CF-0785 **Lot Issue Date:** 26-Feb-2009 **Expiration Date:** 31-Mar-2017

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1016	012674-11-2	F216A	100.3 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1221 Solution

Product Number: PP-291 **Page:** 1 of 1

Lot Number: CB-1791Z **Lot Issue Date:** 01-Nov-2011 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1221	011104-28-2	AM-24	100.4 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
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William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1232 Solution

Product Number: PP-301 **Page:** 1 of 1

Lot Number: CG-3213 **Lot Issue Date:** 28-Sep-2010 **Expiration Date:** 31-Oct-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1232	011141-16-5	NT01717	100.3 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
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ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1242 Solution

Product Number: PP-311 **Page:** 1 of 1

Lot Number: CH-2711 **Lot Issue Date:** 25-Aug-2011 **Expiration Date:** 30-Sep-2019

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1242	053469-21-9	NT01020	100.4 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1248 Solution

Product Number: PP-341 **Page:** 1 of 1

Lot Number: CH-3256 **Lot Issue Date:** 27-Oct-2011 **Expiration Date:** 30-Nov-2019

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1248	012672-29-6	NT01718	100.5 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
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ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Standards

Certificate of Analysis

Aroclor 1254 Solution

Product Number: PP-351 **Page:** 1 of 1

Lot Number: CF-1469 **Lot Issue Date:** 14-Apr-2009 **Expiration Date:** 31-May-2017

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1254	011097-69-1	K040	100.2 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

A2LA ACCREDITED
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ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1260 Solution

Product Number: PP-361 **Page:** 1 of 1

Lot Number: CG-3829 **Lot Issue Date:** 04-Nov-2010 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1260	011096-82-5	NT01023	100.5 ± 0.5 µg/mL

Matrix: hexane

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
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ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

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William J. Leary
Quality Assurance Manager

RESTEK

JVIMS Received 12/13/11

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32039 **Lot No.:** A082781

Description : Aroclor® 1016/1260 Mix

PCB Mix, Aroclor 1016/1260, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] August 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Aroclor 1016	12674-11-2	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
2	Aroclor 1260	11096-82-5	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

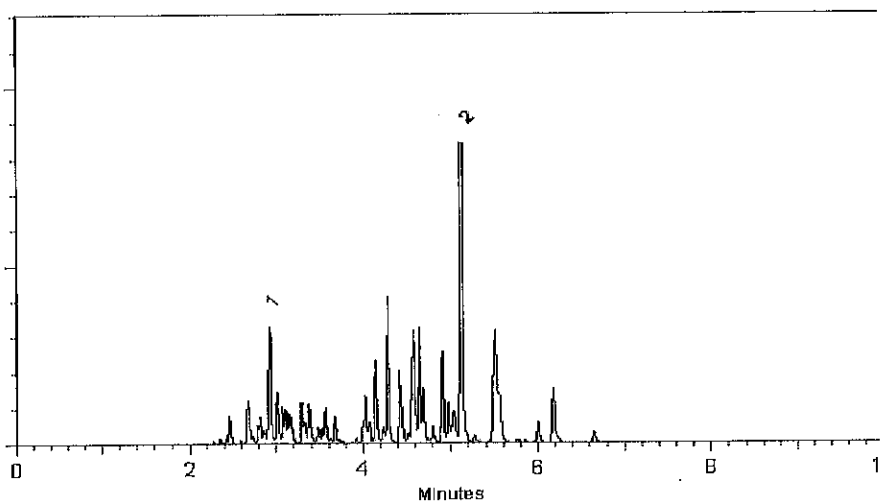
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Certificate of Analysis

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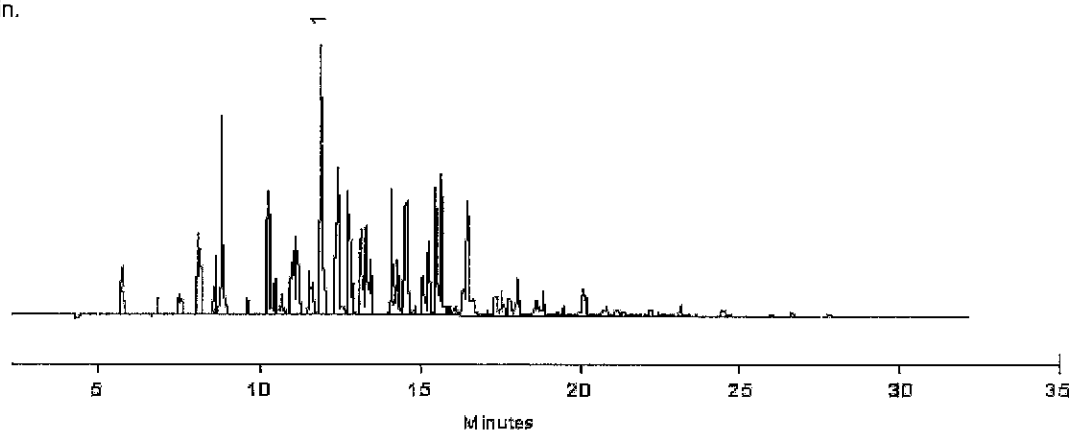
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32008 **Lot No.:** A052599
Description: Aroclor® 1232 Standard
Expiration Date[1]**:** June 2014 **Storage:** Room Temperature
Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	Aroclor 1232	11141-16-5	99%	1,000.000 ug/ml	+/-0.05 %
Solvent:	Hexane	110-54-3	99%		

Column: 30m x .32mm x .5um
Rtx-CLPesticides II
Carrier Gas: helium @ 40 cm/sec.
Temp. Program: 150°C to 300°C @ 5°C/min.

Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



Sara Eyster / QA Analyst

Balance 1119141429

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addition to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM30397

REC 9/7/07

Certificate of Analysis

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Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32009 **Lot No.:** A068369
Description: Aroclor® 1242 Standard
Expiration Date[1]: July 2016 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	----%	1,000.000 ug/ml	+/-0.58 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

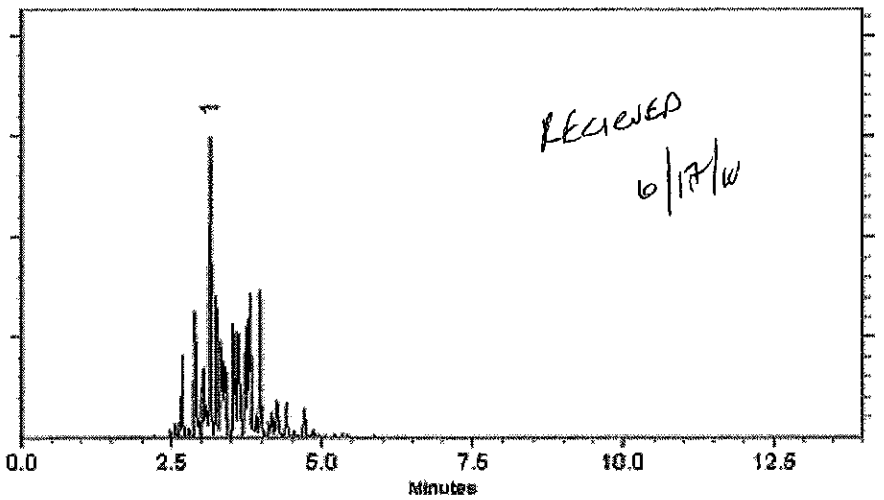
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Date Passed: 07/03/2009 **Balance:** 1128342314

Manufactured under Restek's ISO 9001-2000 Registered Quality System Certificate #FMB0397

1 Expiration date of the unopened ampule stored at recommended temperature.
2A Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest whole number. In addition to detectors listed above, chemical identity and purity are confirmed using one or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.
2C Compounds with a listed purity of less than 99% may be salts, derivatives, or hydrates. The listed purity is actually a correction factor that was used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound.
2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.
3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Uncertainties determined using repeatability and reproducibility data for balances and glassware from measurement systems analysis methodology, balance and glassware tolerances, raw material purity, and, where applicable, eccentricity and linearity values from an accredited calibration laboratory.

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32009 **Lot No.:** A068369
Description: Aroclor® 1242 Standard
Expiration Date[1]: July 2016 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	----%	1,000.000 ug/ml	+/-0.58 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

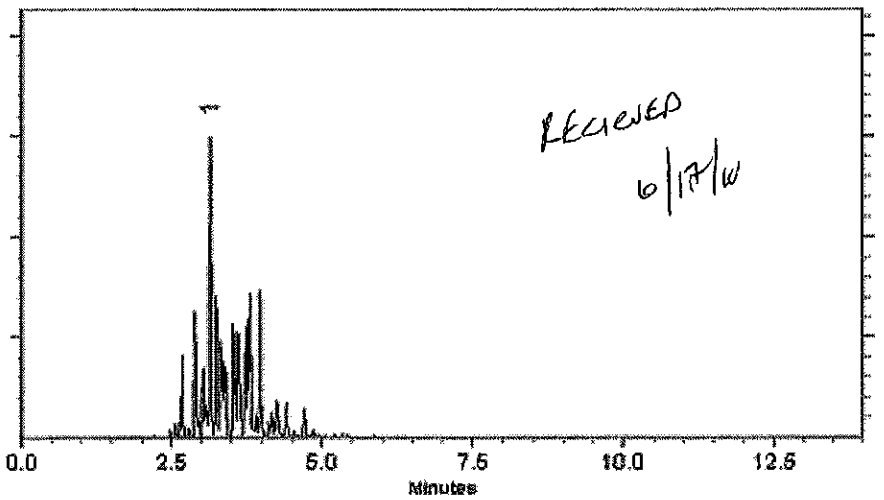
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RECIEVED
6/17/09

Date Passed: 07/03/2009 **Balance:** 1128342314

Manufactured under Restek's ISO 9001-2000 Registered Quality System Certificate #FMB0397

1 Expiration date of the unopened ampule stored at recommended temperature.
2A Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest whole number. In addition to detectors listed above, chemical identity and purity are confirmed using one or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.
2C Compounds with a listed purity of less than 99% may be salts, derivatives, or hydrates. The listed purity is actually a correction factor that was used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound.
2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.
3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Uncertainties determined using repeatability and reproducibility data for balances and glassware from measurement systems analysis methodology, balance and glassware tolerances, raw material purity, and, where applicable, eccentricity and linearity values from an accredited calibration laboratory.

Certificate of Analysis

110 Benner Circle
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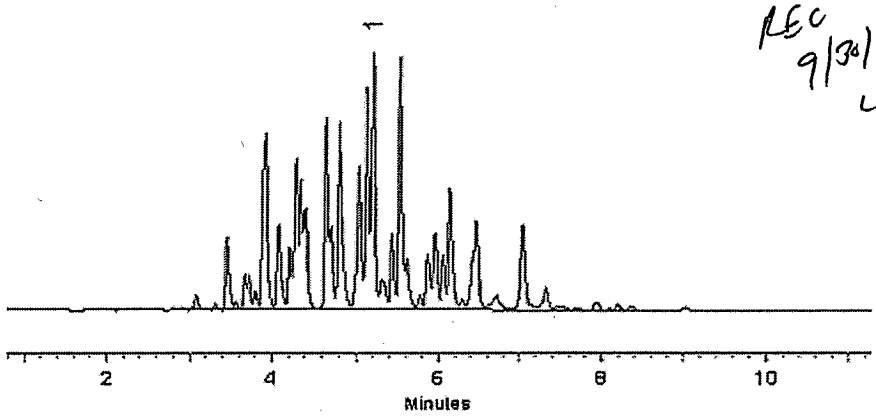
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32010 **Lot No.:** A059172
Description : Aroclor® 1248 Standard
Expiration Date[1]**:** April 2015 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	Aroclor 1248	12672-29-6	----%	1,000.000 ug/ml	+/-0.05 %
Solvent:	Hexane	110-54-3	99%		

Column: 30m x .32mm x .25um Rtx-CLPesticides II
Carrier Gas: helium @ 40cm/sec.
Temp. Program: 200°C to 300°C @ 10°C/min. (hold 5 min.)
Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



REC 9/30/13 LSH

Sara Eyster QA Analyst

Balance 1128360905

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addtion to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM80397

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32007 Lot No.: A074947

Description : Aroclor® 1221 Standard

Expiration Date[1]: June 2017 Storage: Room Temperature

Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	----%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x.25mm x .2um
Rtx-CLPesticides (cat.# 11323)

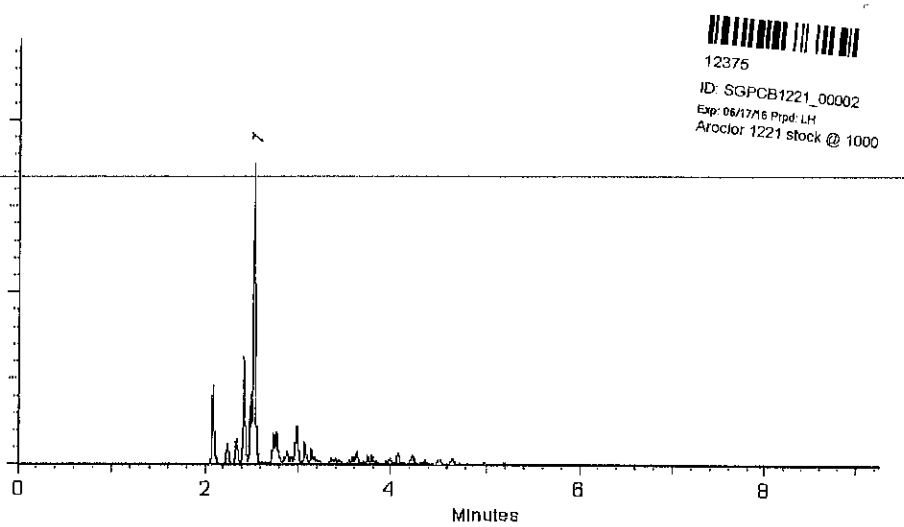
Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diana Shaffer
Diana Shaffer - QA Analyst

Date Passed: 24-May-2010 Balance: 1128360905

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials
E
7/27/16

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32011 **Lot No.:** A076437

Description : Aroclor® 1254 Standard

Expiration Date[1]**:** September 2017 **Storage:** Room Temperature

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	----%	1,001.600 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

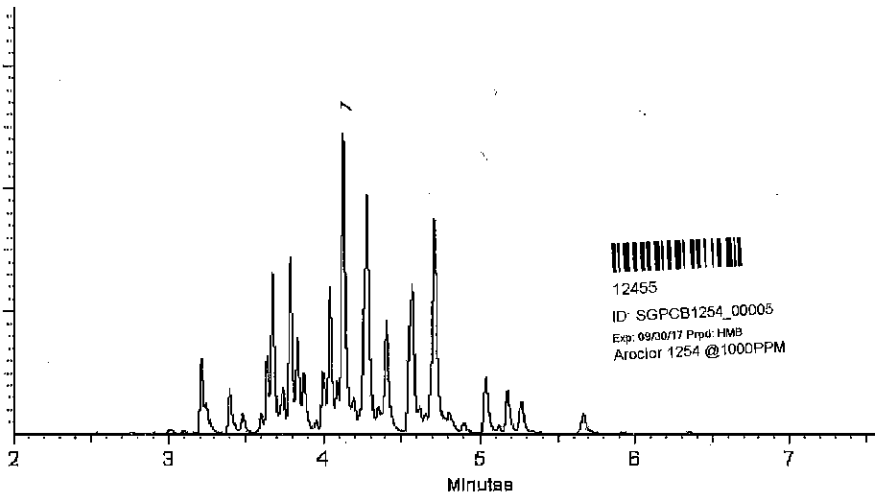
Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 23-Aug-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials 7/23/11

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32007 **Lot No.:** A074947

Description : Aroclor® 1221 Standard

Expiration Date[1]**:** June 2017 **Storage:** Room Temperature

Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	----%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

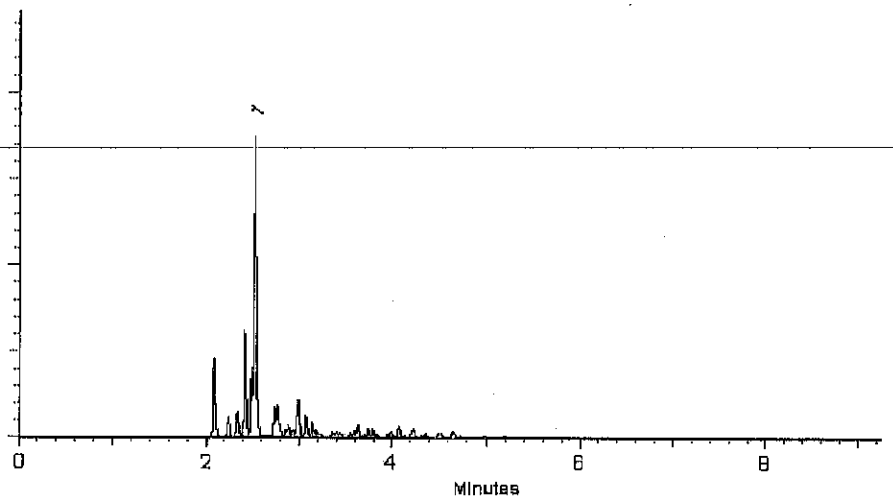
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 24-May-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials
E
7/27/10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Reagent ID: VGINTSTD_00001

		Expiration Date:	10/08/2011
Description:	INTERNAL STANDARD	Laboratory:	TestAmerica North Canton
No. of Bottles:	2	Prepared By:	Bolgrin, Deborah
Storage Location:	F022	Solvent:	MEOH
Reagent Volume:	50.000 mL	Solvent Lot:	50349
Creation Date:	04/08/2011		
Container(s):	12414, 12415		
Comment:			

Reagent Analyte Information

Analyte	Source ID	Source Expiration Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Fluorobenzene	VGISSTOCK_00001	12/31/2012	2000.000	ug/mL	50.00000	ug/mL

Source Reagents

Reagent	Description	Type	Expiration	Vendor	Vendor Lot #	Vendor Cat Lot #	Volume Used	Volume Units
VGISSTOCK_00001	IS FLOROBENZENE	ASTD	12/31/12	ULTRA SCIENTIFIC	CE-4128	STS-160	1.2500	mL

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32011 **Lot No.:** A076437

Description : Aroclor® 1254 Standard

Expiration Date[1]**:** September 2017 **Storage:** Room Temperature

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	----%	1,001.600 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

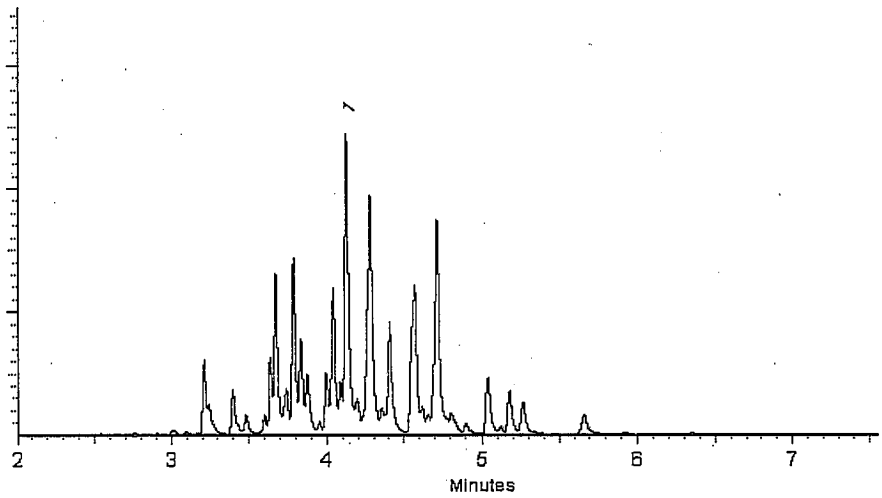
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 23-Aug-2010 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Received 2 vials 3/23/11

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

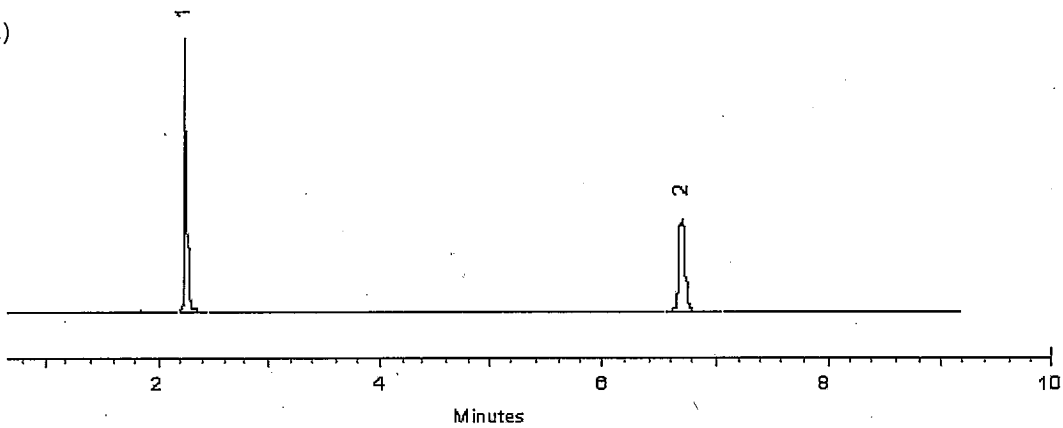
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32000 **Lot No.:** A057014
Description : Pesticide Surrogate Mix
Expiration Date[1]**:** June 2015 **Storage:** Refrigerate
Handling: Warm & Sonicate prior to use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	98%	200.018 ug/ml	+/-0.03 %
2	Decachlorobiphenyl	2051-24-3	99%	200.000 ug/ml	+/-0.03 %
Solvent:	Acetone	67-64-1	99%		

LEC 7/13/08
LOT

Column: 30m x .32mm x .25um
Rtx-CLPesticides II
Carrier Gas: helium @ 40cm/sec.
Temp. Program: 200°C to 300°C
@ 15°C/min. (hold 12 min.)
Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



Sara Eyster QA Analyst

Balance 1128342313

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addition to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NISTtraceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM80397

Tech Tip:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

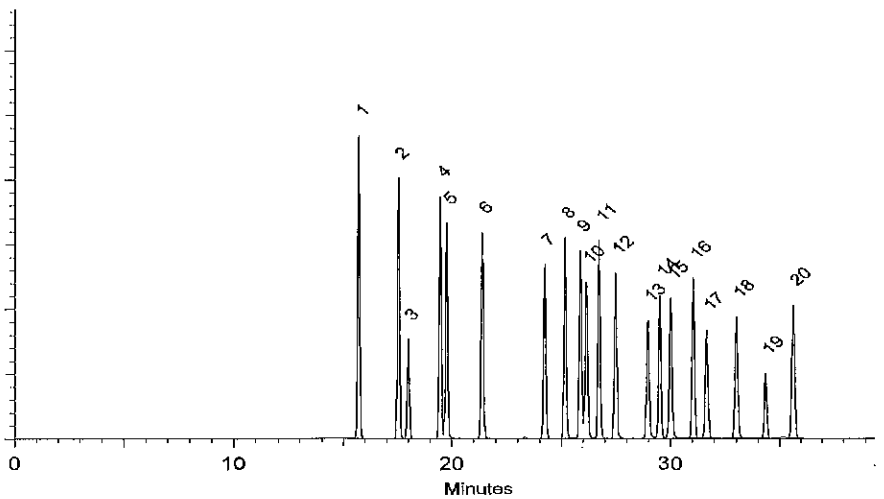
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

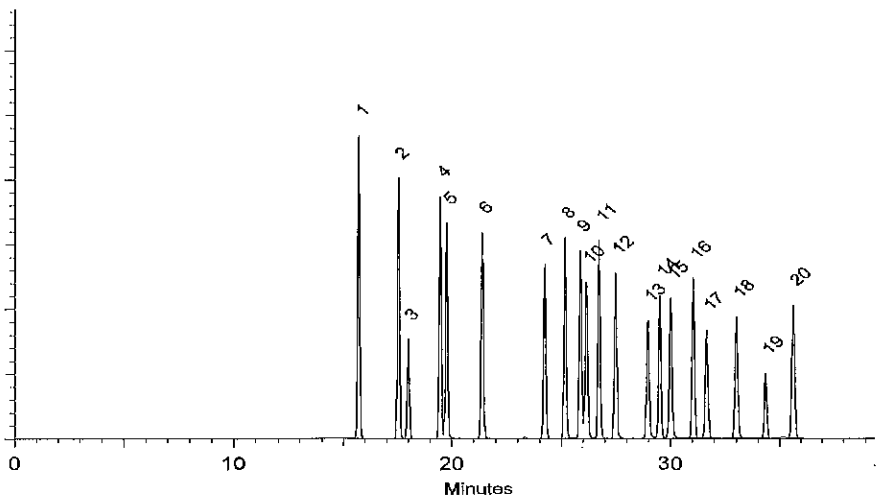
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

Organochlorine Pesticides Mixture

Product Number: PPM-808C

Page: 1 of 2

Lot Number: CH-3658 **Lot Issue Date:** 01-Dec-2011 **Expiration Date:** 31-Dec-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

1:100 (1ml in 100)
1:400 (250uls in 100uls)

Analyte	CAS#	Analyte Lot	True Value
aldrin	000309-00-2	RM00635-01	1002 ± 5 µg/mL
alpha-BHC	000319-84-6	RM02725-01	1002 ± 5 µg/mL
beta-BHC	000319-85-7	RM02724-02	1002 ± 5 µg/mL
delta-BHC	000319-86-8	RM02723-05	1002 ± 5 µg/mL
gamma-BHC	000058-89-9	RM02694-04	1002 ± 5 µg/mL
alpha-chlordane	005103-71-9	RM02742-03	1002 ± 5 µg/mL
gamma-chlordane	005103-74-2	RM02726-08	1002 ± 5 µg/mL
4,4'-DDD	000072-54-8	RM00615-01	1002 ± 5 µg/mL
4,4'-DDE	000072-55-9	RM02892-02	1002 ± 5 µg/mL
4,4'-DDT	000050-29-3	RM02881-01	1002 ± 5 µg/mL
dieldrin	000060-57-1	RM03957-01	1002 ± 5 µg/mL
endosulfan I	000959-98-8	RM00834-01	1002 ± 5 µg/mL
endosulfan II	033213-65-9	RM02906-02	1002 ± 5 µg/mL
endosulfan sulfate	001031-07-8	RM02897-01	1002 ± 5 µg/mL
endrin	000072-20-8	256-27A	1002 ± 5 µg/mL
endrin aldehyde	007421-93-4	ER082306-01	1002 ± 5 µg/mL
endrin ketone	053494-70-5	RM00212-02	1002 ± 5 µg/mL
heptachlor	000076-44-8	RM03111-02	1002 ± 5 µg/mL
heptachlor epoxide - isomer B	001024-57-3	RM03131-03	1002 ± 5 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

Organochlorine Pesticides Mixture

Product Number: PPM-808C

Lot Number: CH-3658 **Lot Issue Date:** 01-Dec-2011 **Expiration Date:** 31-Dec-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

methoxychlor	000072-43-5	RM01712-05	1002 ± 5 µg/mL

Matrix: hexane/toluene (1:1)

Storage: Store at Room Temperature (18-25°C). Do Not Refrigerate.

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005
Accredited
A2LA
Cert. No. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

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William J. Leary
Quality Assurance Manager

Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .20m
Rtx-CLP II (cat.# 11323)

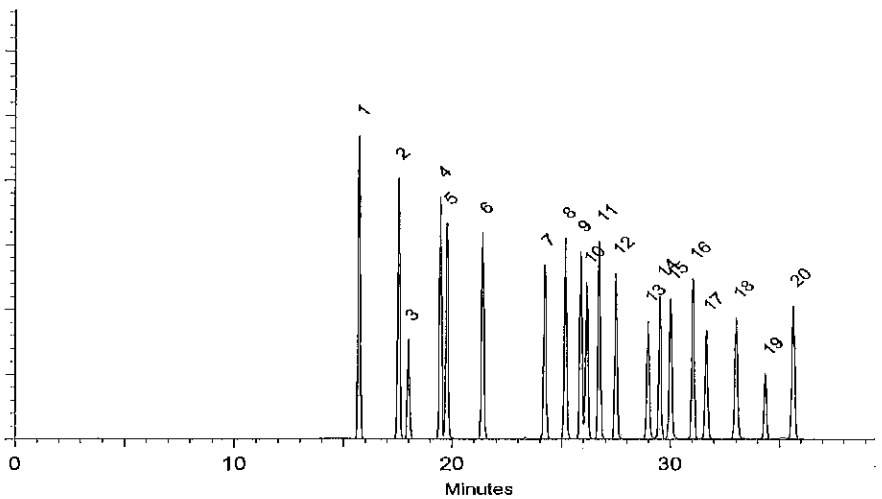
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Rcvd 12-8-11 Recd 3 vials

RESTEK

Certificate of Analysis

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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .20m
Rtx-CLP II (cat.# 11323)

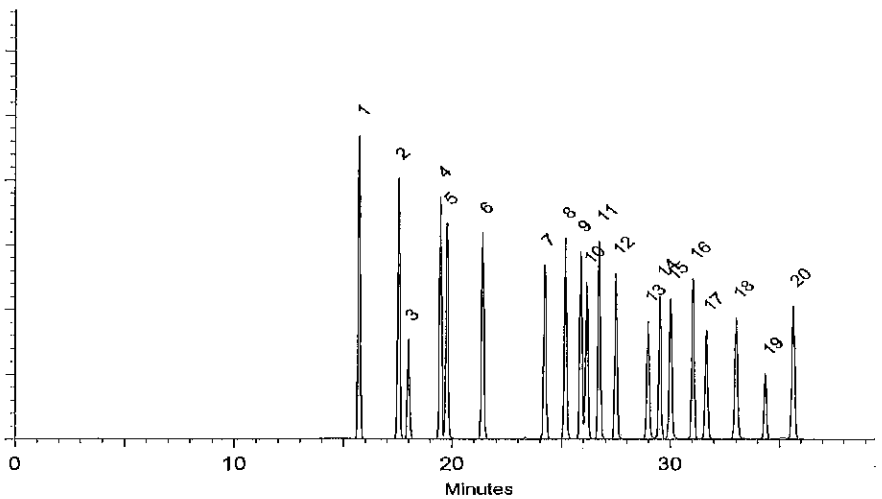
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Certificate of Analysis

DESCRIPTION: Toxaphene

CATALOG NO.: 48103 MFG DATE: Feb-2011

LOT NO.: LB82082 EXPIRATION DATE: Feb-2014

SOLVENT: ISOOCTANE

ANALYTE	CAS NUMBER	PERCENT PURITY(1)	WEIGHT(2) CONCENTRATION	ANALYTICAL(3) CONCENTRATION	STD DEV	SUPELCO LOT NO
TOXAPHENE	8001-35-2	N/A (a)	1000	956	+/- 16.2	LA47407

SGPESTTOX 00011

Recd 12-12-11 1 vial

(1) Determined by capillary GC-FID, unless otherwise noted.
a) Complex mix - Can't Determine

(2) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(3) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

Rec'd 12-8-11. 2vials

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32005 **Lot No.:** A080394

Description : Toxaphene Standard

Pesticide Mix, toxaphene, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2015 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	Toxaphene	8001-35-2	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

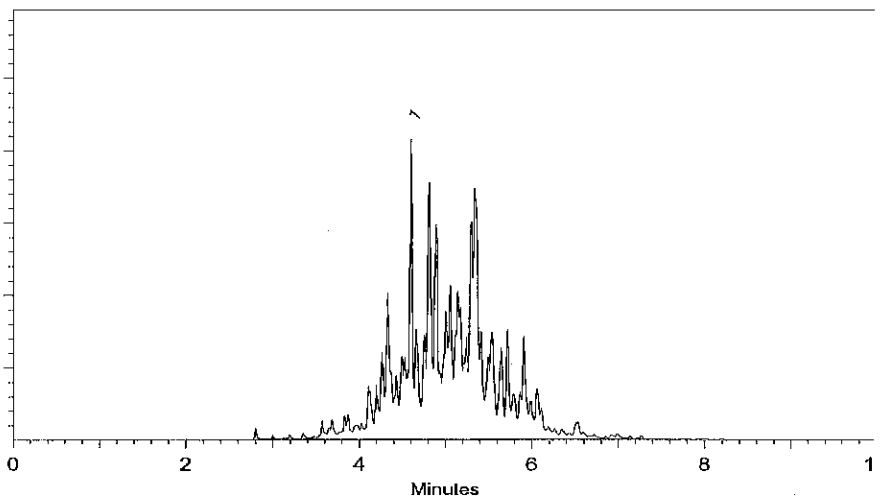
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 566300 **Lot No.:** A081795

Description : Custom Revised 8270 Mix #1

Container Size : [5] 5 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] May 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	Grav.Uncert. [4] (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	99%	400.000 ug/mL	+/- 2.7 ug/mL
2	2-Fluorophenol	367-12-4	99%	400.000 ug/mL	+/- 2.7 ug/mL
3	2-Chlorophenol-d4	93951-73-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
4	Phenol-d6	13127-88-3	99%	400.000 ug/mL	+/- 2.7 ug/mL
5	2-Chlorophenol	95-57-8	99%	400.000 ug/mL	+/- 3.0 ug/mL
6	Phenol	108-95-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
7	1,4-Dichlorobenzene	106-46-7	99%	400.000 ug/mL	+/- 2.7 ug/mL
8	Benzyl alcohol	100-51-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
9	2-Methylphenol (o-cresol)	95-48-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
10	4-Methylphenol (p-cresol)	106-44-5	99%	400.000 ug/mL	+/- 3.0 ug/mL
11	2-Nitrophenol	88-75-5	99%	400.000 ug/mL	+/- 3.0 ug/mL
12	2,4-Dimethylphenol	105-67-9	99%	400.000 ug/mL	+/- 3.0 ug/mL
13	2,4-Dichlorophenol	120-83-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
14	Benzoic acid	65-85-0	99%	400.000 ug/mL	+/- 3.0 ug/mL
15	4-Chloro-3-methylphenol	59-50-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
16	2,4,6-Trichlorophenol	88-06-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
17	2,4,5-Trichlorophenol	95-95-4	99%	400.000 ug/mL	+/- 3.0 ug/mL
18	2,4-Dinitrophenol	51-28-5	97%	399.989 ug/mL	+/- 3.0 ug/mL
19	2,3,5,6-Tetrachlorophenol	935-95-5	99%	400.000 ug/mL	+/- 2.7 ug/mL
20	4-Nitrophenol	100-02-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
21	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	99%	400.000 ug/mL	+/- 3.0 ug/mL
22	2,4,6-Tribromophenol	118-79-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
23	Pentachlorophenol	87-86-5	97%	399.989 ug/mL	+/- 3.0 ug/mL

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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 57833 **Lot No.:** A081245

Description : Custom Revised 8270 Mix # 2

Container Size : [5] 2 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] April 2013 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	% Grav.Uncert. [4] (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	99%	400.000 ug/mL	+/-0.67 %
2	Pyridine	110-86-1	99%	400.000 ug/mL	+/-0.67 %
3	Aniline	62-53-3	100%	400.000 ug/mL	+/-0.67 %
4	N-Nitroso-di-n-propylamine	621-64-7	99%	400.000 ug/mL	+/-0.67 %
5	4-Chloroaniline	106-47-8	99%	400.000 ug/mL	+/-0.67 %
6	2,4-Diaminotoluene	95-80-7	99%	400.000 ug/mL	+/-0.67 %
7	3-Nitroaniline	99-09-2	99%	400.000 ug/mL	+/-0.67 %
8	2-Nitroaniline	88-74-4	99%	400.000 ug/mL	+/-0.67 %
9	4-Nitroaniline	100-01-6	99%	400.000 ug/mL	+/-0.67 %
10	N-Nitrosodiphenylamine	86-30-6	97%	399.640 ug/mL	+/-0.67 %
11	Atrazine	1912-24-9	99%	400.000 ug/mL	+/-0.67 %
12	Benzidine	92-87-5	99%	400.000 ug/mL	+/-0.67 %
13	3,3'-Dichlorobenzidine	91-94-1	99%	400.000 ug/mL	+/-0.67 %
14	4,4-Methylene-bis(2-chloroaniline)	101-14-4	98%	399.840 ug/mL	+/-0.67 %
15	3,3'-Dimethoxybenzidine	119-90-4	99%	400.000 ug/mL	+/-0.67 %
Solvent:	Methylene Chloride (MEOH FREE)	75-09-2	99%		

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

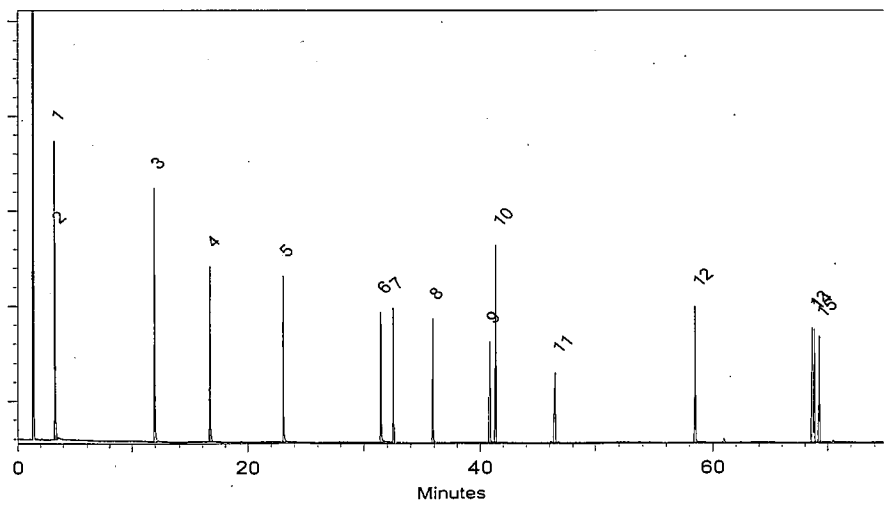
Carrier Gas:
hydrogen-constant pressure 10 psi

Temp. Program:
35°C (hold 3 min.) to 330°C
@ 3°C/min. (hold 3 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
FID



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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 57834 **Lot No.:** A083779

Description : Custom Revised 8270 Mix # 3

Container Size : [5] 2 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] December 2014 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Ethyl methacrylate	97-63-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
2	Acetophenone	98-86-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
3	Isophorone	78-59-1	99%	400.0 ug/mL	+/- 2.8363 ug/mL
4	Naphthalene	91-20-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
5	epsilon-Caprolactam	105-60-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
6	1-Methylnaphthalene	90-12-0	99%	400.0 ug/mL	+/- 2.8363 ug/mL
7	2-Methylnaphthalene	91-57-6	97%	399.6 ug/mL	+/- 2.8338 ug/mL
8	Biphenyl	92-52-4	99%	400.0 ug/mL	+/- 2.8363 ug/mL
9	Acenaphthylene	208-96-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
10	Dimethylphthalate	131-11-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
11	Acenaphthene	83-32-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
12	Dibenzofuran	132-64-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
13	Fluorene	86-73-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
14	Diethylphthalate	84-66-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
15	Azobenzene	103-33-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
16	Sulfotepp	3689-24-5	99%	400.0 ug/mL	+/- 2.8363 ug/mL
17	Phenanthrene	85-01-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
18	Anthracene	120-12-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
19	Carbazole	86-74-8	98%	399.8 ug/mL	+/- 2.8352 ug/mL
20	Di-n-butylphthalate	84-74-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
21	Fluoranthene	206-44-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
22	Pyrene	129-00-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
23	Benzyl butyl phthalate	85-68-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
24	Benz(a)anthracene	56-55-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
25	Chrysene	218-01-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
26	Bis(2-ethylhexyl)phthalate	117-81-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
27	Di-n-octyl phthalate	117-84-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
28	Benzo(b)fluoranthene	205-99-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
29	Benzo(k)fluoranthene	207-08-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
30	Benzo(a)pyrene	50-32-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
31	Indeno(1,2,3-cd)pyrene	193-39-5	99%	400.0 ug/mL	+/- 2.8363 ug/mL
32	Dibenz(a,h)anthracene	53-70-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
33	Benzo(g,h,i)perylene	191-24-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL

Solvent: Methylene Chloride (MEOH FREE) 75-09-2 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

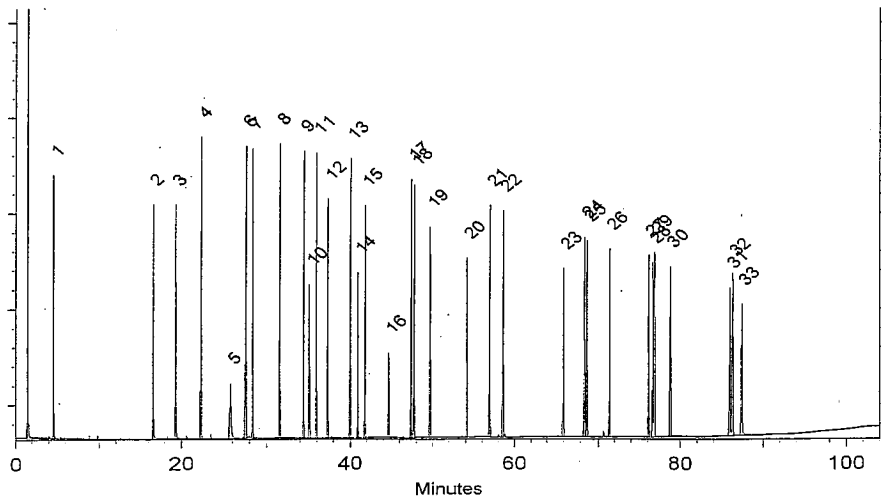
Carrier Gas:
hydrogen-constant pressure 10 psi

Temp. Program:
35°C (hold 3 min.) to 330°C
@ 3°C/min. (hold 3 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
FID



John Lidgett - QA Analyst

Date Passed: 12-Sep-2011 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

RESTEK

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 566299 **Lot No.:** A081933

Description : Custom Revised 8270 Mix #4

Container Size : [5] 5 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] May 2014 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	3-Chloropropionitrile	542-76-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
2	Malononitrile	109-77-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
3	Benzaldehyde	100-52-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
4	Bis(2-chloroethyl)ether	111-44-4	99%	400.0 ug/mL	+/- 2.7 ug/mL
5	1,3-Dichlorobenzene	541-73-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
6	1,2-Dichlorobenzene-d4	2199-69-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
7	1,2-Dichlorobenzene	95-50-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
8	Bis(2-chloroisopropyl)ether	108-60-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
9	Hexachloroethane	67-72-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
10	Nitrobenzene-d5	4165-60-0	99%	400.0 ug/mL	+/- 2.7 ug/mL
11	Nitrobenzene	98-95-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
12	1,2,4-Trichlorobenzene	120-82-1	97%	399.6 ug/mL	+/- 2.7 ug/mL
13	Bis(2-chloroethoxy)methane	111-91-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
14	1,3,5-Trichlorobenzene	108-70-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
15	1,2,3-Trichlorobenzene	87-61-6	99%	400.0 ug/mL	+/- 2.7 ug/mL
16	Hexachlorobutadiene	87-68-3	98%	399.8 ug/mL	+/- 2.7 ug/mL
17	1,2,3,4-Tetrachlorobenzene	634-66-2	95%	400.0 ug/mL	+/- 2.7 ug/mL
18	Hexachlorocyclopentadiene	77-47-4	99%	400.0 ug/mL	+/- 2.7 ug/mL
19	2-Fluorobiphenyl	321-60-8	99%	400.0 ug/mL	+/- 2.7 ug/mL
20	2-Chloronaphthalene	91-58-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
21	1,2,3,5-Tetrachlorobenzene	634-90-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
22	2,6-Dinitrotoluene	606-20-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
23	1,2-Dinitrobenzene	528-29-0	99%	400.0 ug/mL	+/- 2.7 ug/mL
24	2,4-Dinitrotoluene	121-14-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
25	4-Chlorophenyl phenyl ether	7005-72-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
26	4-Bromophenyl phenyl ether	101-55-3	98%	399.8 ug/mL	+/- 2.7 ug/mL
27	Hexachlorobenzene	118-74-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
28	p-Terphenyl-d14	1718-51-0	97%	399.6 ug/mL	+/- 2.7 ug/mL

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CERTIFICATE OF ANALYSIS

Catalog No: APP-9-091-50X
Description: 2,4-Dinitrophenol
Lot: B7040078
Solvent: Methanol

Date Certified: Apr 10, 2007
Expiration: Apr 10, 2017
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
2,4-Dinitrophenol	51-28-5	100	5003	5003

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

CERTIFICATION REPORT

1. **Quality Documentation:** This certificate is designed in accordance with ISO Guide 31 (Reference Materials - Contents of Certificates and Labels) and ISO Guide 35 (Reference Materials – General and Statistical Principles for Certification).

2. **Quality Standards:**

   ISO Guide 34 - General Requirements for the Competence of Reference Material Producers ACLASS Certificate Number AR-1463

   AR-1463

   ISO/IEC 17025:2005 - General Requirements for the Competence of Testing and Calibration Laboratories ACLASS Certificate Number AT-1339

   AT-1339

   ISO 9001:2008 Quality Management System - Requirements Eagle Registrations Certificate Number 3774

3. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 11. If dilution is required, use only Class A glassware and diluent compatible with all certified analytes in this preparation. All solutions should be thoroughly mixed prior to use.

4. **Raw Materials:** Reference standards are prepared from the highest quality starting materials with defined purities. All analytes and solvents are obtained from pre-qualified vendors and then analyzed or evaluated prior to use.

5. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards and calibrated using an in-house procedure. Good Laboratory Practices have been used throughout the preparation of this CRM.

6. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the appropriate Quality System requirements, and ISO Guide 35.

7. **Stability Assessment:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.

8. **Analytical Quality Control:** Products are tested by validated analytical methods specified in the manufacturer's quality system.

9. **Uncertainty Statistics and Confidence Limits:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide (Quantifying Uncertainty in Analytical Measurement). We have evaluated both Type A (based on a series of observations) and Type B (manufacturers specifications and calibration data) factors and report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_m = \sqrt{(u(P))^2 + (u(m))^2 + (u(V))^2}$. The expanded uncertainty, U, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level. Laboratories accredited to ISO/IEC 17025 and ISO Guide 34 are required to estimate uncertainty budgets associated with the measurements they make. However, for analysis, the certified value should be used as the actual value.

10. **Warranties:** The manufacturer warrants that its products shall conform to the description of such products as provided in its catalog or on the specific product label. This warranty is exclusive, and the manufacturer makes no other warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

11. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. Due to the hazardous nature, only trained personnel should handle this product. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.

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CERTIFICATE OF ANALYSIS

Catalog No: Z-014D-1
Description: Benzoic acid
Lot: 211061093
Solvent: Dichloromethane

Date Certified: Jun 7, 2011
Expiration: Jun 7, 2021
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HARMFUL

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % MFG	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Benzoic acid	65-85-0	99.5	2004	1994

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

CERTIFICATION REPORT

1. **Quality Documentation:** This certificate is designed in accordance with ISO Guide 31 (Reference Materials - Contents of Certificates and Labels) and ISO Guide 35 (Reference Materials – General and Statistical Principles for Certification).

2. **Quality Standards:**

   ISO Guide 34 – General Requirements for the Competence of Reference Material Producers ACLASS Certificate Number AR-1463

   AR-1463

   ISO/IEC 17025:2005 - General Requirements for the Competence of Testing and Calibration Laboratories ACLASS Certificate Number AT-1339

   AT-1339

   ISO 9001:2008 Quality Management System - Requirements
   Eagle Registrations Certificate Number 3774

3. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 11. If dilution is required, use only Class A glassware and diluent compatible with all certified analytes in this preparation. All solutions should be thoroughly mixed prior to use.

4. **Raw Materials:** Reference standards are prepared from the highest quality starting materials with defined purities. All analytes and solvents are obtained from pre-qualified vendors and then analyzed or evaluated prior to use.

5. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards and calibrated.using an in-house procedure. Good Laboratory Practices have been used throughout the preparation of this CRM.

6. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the appropriate Quality System requirements, and ISO Guide 35.

7. **Stability Assessment:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.

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9. **Uncertainty Statistics and Confidence Limits:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide (Quantifying Uncertainty in Analytical Measurement). We have evaluated both Type A (based on a series of observations) and Type B (manufacturers specifications and calibration data) factors and report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_{\mathrm{m}} = \sqrt{(u(\mathrm{P}))^2 + (u(\mathrm{m}))^2 + (u(\mathrm{V}))^2}$. The expanded uncertainty, U, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level. Laboratories accredited to ISO/IEC 17025 and ISO Guide 34 are required to estimate uncertainty budgets associated with the measurements they make. However, for analysis, the certified value should be used as the actual value.

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CERTIFICATE OF ANALYSIS

Catalog No: APP-9-176-D-20X
Description: Pentachlorophenol
Lot: 211041014
Solvent: Dichloromethane

Date Certified: Apr 1, 2011
Expiration: Apr 1, 2021
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HARMFUL

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Pentachlorophenol	87-86-5	99.0	2007	1987

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

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For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

CERTIFICATION REPORT

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   AR-1463

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   AT-1339

   ISO 9001:2008 Quality Management System - Requirements Eagle Registrations Certificate Number 3774

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Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)		WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ACENAPHTHENE	83-32-9	99.9		1000	+/-	5.0	LB82590
ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
ACETOPHENONE	98-86-2	99.2		1001	+/-	5.0	LB61700
ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
AZOBENZENE	103-33-3	99.9		1000	+/-	5.0	LB83060
BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	+/-	5.0	LB33319
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000	+/-	5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000	+/-	5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000	+/-	5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001	+/-	5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001	+/-	5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000	+/-	5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000	+/-	5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000	+/-	10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000	+/-	5.0	LB68872
PHENOL	108-95-2	99.9	1002	+/-	5.0	LB57703
PYRENE	129-00-0	97.5	1000	+/-	5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000	+/-	5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000	+/-	5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000	+/-	5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000	+/-	5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000	+/-	5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002	+/-	5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000	+/-	5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999	+/-	5.0	LB83266

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

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Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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16823-0048 USA • Phone (814) 359-3441

Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

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ACENAPHTHENE	83-32-9	99.9		1000	+/-	5.0	LB82590
ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
ACETOPHENONE	98-86-2	99.2		1001	+/-	5.0	LB61700
ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
AZOBENZENE	103-33-3	99.9		1000	+/-	5.0	LB83060
BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	+/-	5.0	LB33319
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

(1) Listed in alphabetical order.

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a) HPLC UV-254NM

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000 +/- 5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000 +/- 5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000 +/- 5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001 +/- 5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001 +/- 5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000 +/- 5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000 +/- 5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000 +/- 10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000 +/- 5.0	LB68872
PHENOL	108-95-2	99.9	1002 +/- 5.0	LB57703
PYRENE	129-00-0	97.5	1000 +/- 5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000 +/- 5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000 +/- 5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000 +/- 5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000 +/- 5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000 +/- 5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002 +/- 5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000 +/- 5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999 +/- 5.0	LB83266

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2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

(1) Listed in alphabetical order.

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ACENAPHTHENE	83-32-9	99.9		1000	+/-	5.0	LB82590
ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
ACETOPHENONE	98-86-2	99.2		1001	+/-	5.0	LB61700
ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
AZOBENZENE	103-33-3	99.9		1000	+/-	5.0	LB83060
BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

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BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	+/-	5.0	LB33319
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

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METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000 +/- 5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000 +/- 5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000 +/- 5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001 +/- 5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001 +/- 5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000 +/- 5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000 +/- 5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000 +/- 10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000 +/- 5.0	LB68872
PHENOL	108-95-2	99.9	1002 +/- 5.0	LB57703
PYRENE	129-00-0	97.5	1000 +/- 5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000 +/- 5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000 +/- 5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000 +/- 5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000 +/- 5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000 +/- 5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002 +/- 5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000 +/- 5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999 +/- 5.0	LB83266

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Elwood Doughty
QA Manager

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO® Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

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Certificate of Analysis

Semi-Volatiles Internal Standard Mixture

Product Number: US-108N **Page:** 1 of 1

Lot Number: CH-1761 **Lot Issue Date:** 02-Jun-2011 **Expiration Date:** 30-Jun-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acenaphthene-d10	015067-26-2	RM01458/PR-19991	4013 ± 20 µg/mL
chrysene-d12	001719-03-5	RM01460/Z421P15	4013 ± 20 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM01700/PR-12866	4013 ± 20 µg/mL
naphthalene-d8	001146-65-2	RM01459/PR-19724	4013 ± 20 µg/mL
perylene-d12	001520-96-3	RM01461/P199BP2	4014 ± 20 µg/mL
phenanthrene-d10	001517-22-2	RM01462/PR-19222	4013 ± 20 µg/mL

Matrix: methylene chloride (dichloromethane)

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
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401-294-9400 Fax: 295-2330
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William J. Leary
Quality Assurance Manager

Semi-Volatiles Internal Standard Mixture

Print Components

Component Information for US-108N

Analyte	Concentration
acenaphthene-d10	4000 µg/mL
chrysene-d12	4000 µg/mL
1,4-dichlorobenzene-d4	4000 µg/mL
naphthalene-d8	4000 µg/mL
perylene-d12	4000 µg/mL
phenanthrene-d10	4000 µg/mL

Matrix Details

Matrix	methylene chloride (dichloromethane)

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SMIS_00004

US-108N
Lot: CH-1761
Exp: 06/30/2014
ULTRA
1 mL
Semi-Volatiles Internal Standard Mixture
6 analyte(s) at 4000 µg/mL in dichloromethane
For Lab Use Only
250 Smith St, No Kingstown, RI 02852 USA

3/15/11
TS

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 30006 **Lot No.:** A076449

Description : VOA Calibration Mix #1

Expiration Date[1]**:** November 2013 **Storage:** Freezer

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Acetone	67-64-1	99%	5,000.000 ug/ml	+/-0.58 %
2	2-Butanone (MEK)	78-93-3	99%	5,000.000 ug/ml	+/-0.58 %
3	4-Methyl-2-pentanone (MIBK)	108-10-1	99%	5,000.000 ug/ml	+/-0.58 %
4	2-Hexanone	591-78-6	99%	5,000.000 ug/ml	+/-0.58 %
Solvent:	P&T Methanol/Water (90:10)	67-56-1/7732-18-5	99%		

Column:
105m x .53mm x 3.0um
Rtx-502.2 (cat.#10910)

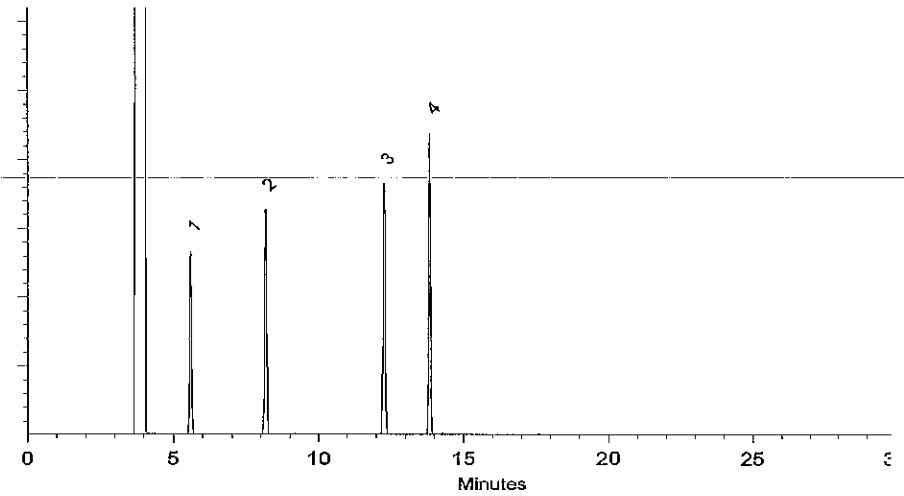
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



Sara Eyster QA Analyst

Date Passed: 25-Aug-2010 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Certificate of Analysis

8/23/12 TS

DESCRIPTION: Volatile Organic Compounds Mix 6

CATALOG NO.: 48799-U MFG DATE: Mar-2012

LOT NO.: LB91213 EXPIRATION DATE: Jun-2013

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BROMOMETHANE	74-83-9	99.9 (a)	2000	2041	+/-	35.1	LB68220
CHLOROETHANE	75-00-3	99.9 (a)	2000	2079	+/-	46.9	LB55667
CHLOROMETHANE	74-87-3	99.9	2000	2116	+/-	61.9	LB64986
DICHLORODIFLUOROMETHANE	75-71-8	99.9 (a)	2000	2044	+/-	88.1	LB68837
TRICHLOROFLUOROMETHANE	75-69-4	99.9 (a)	2000	2088	+/-	44.9	LA91320
VINYL CHLORIDE	75-01-4	99.9 (a)	2000	2141	+/-	45.7	LB89571

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

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11/23/11
FS

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 556005 **Lot No.:** A085142

Description : Custom Volatiles Mix 2

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2013 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	97%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	1,1-dichloroethene	75-35-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
3	Methyl acetate	79-20-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Carbon disulfide	75-15-0	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
5	Methylene chloride (dichloromethane)	75-09-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
6	Methyl-tert-butyl ether (MTBE)	1634-04-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
7	cis-1,2-Dichloroethene	156-59-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	n-Hexane (C6)	110-54-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloroethane	75-34-3	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
10	trans-1,2-Dichloroethene	156-60-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
11	chloroform	67-66-3	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
12	1,1,1-trichloroethane	71-55-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
13	Cyclohexane	110-82-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	carbon tetrachloride	56-23-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
15	1,2-Dichloroethane	107-06-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
16	Benzene	71-43-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	Trichloroethene	79-01-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
18	Methylcyclohexane	108-87-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
19	1,2-Dichloropropane	78-87-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
20	bromodichloromethane	75-27-4	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
21	cis-1,3-Dichloropropene	10061-01-5	97%	2,500.0 ug/mL	+/- 17.8401 ug/mL
22	Toluene	108-88-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	trans-1,3-Dichloropropene	10061-02-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
24	1,1,2-Trichloroethane	79-00-5	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
25	Tetrachloroethene	127-18-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
26	dibromochloromethane	124-48-1	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
27	1,2-Dibromoethane (EDB)	106-93-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	Chlorobenzene	108-90-7	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
29	Ethylbenzene	100-41-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
30	m-Xylene	108-38-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
31	p-Xylene	106-42-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
32	o-Xylene	95-47-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
33	Styrene	100-42-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL

11/22/11 TS

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 563136 **Lot No.:** A085140

Description : Custom Revised Supplemental Spike Mix

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Diethyl ether (ethyl ether)	60-29-7	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	tert-Butanol (TBA)	75-65-0	99%	50,001.6 ug/mL	+/- 292.755 ug/mL
3	Iodomethane (methyl iodide)	74-88-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Diisopropyl ether (DIPE)	108-20-3	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
5	2,2-Dichloropropane	594-20-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
6	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	125,004.4 ug/mL	+/- 731.89 ug/mL
7	Bromochloromethane	74-97-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	Tetrahydrofuran	109-99-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloropropene	563-58-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
10	Dibromomethane	74-95-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
11	1,3-Dichloropropane	142-28-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
12	1,1,1,2-Tetrachloroethane	630-20-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
13	1,2,3-Trichloropropane	96-18-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	trans-1,4-dichloro-2-butene	110-57-6	98%	5,008.2 ug/mL	+/- 29.3241 ug/mL
15	n-Propylbenzene	103-65-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
16	Bromobenzene	108-86-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	1,3,5-Trimethylbenzene	108-67-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
18	2-Chlorotoluene	95-49-8	99%	2,501.2 ug/mL	+/- 14.6784 ug/mL
19	4-Chlorotoluene	106-43-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
20	tert-Butylbenzene	98-06-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
21	1,2,4-Trimethylbenzene	95-63-6	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
22	sec-Butylbenzene	135-98-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	4-Isopropyltoluene (p-Cymene)	99-87-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
24	1,2,3-Trimethylbenzene	526-73-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
25	n-Butylbenzene	104-51-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
26	Hexachlorobutadiene	87-68-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
27	Naphthalene	91-20-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	1,2,3-Trichlorobenzene	87-61-6	99%	2,500.4 ng/mL	+/- 14.6737 ug/mL

Certificate of Analysis

6/2/12
TS

DESCRIPTION: 8260 Ketones Mix

CATALOG NO.: 861149 MFG DATE: Jun-2011

LOT NO.: LB85301 EXPIRATION DATE: Nov-2013

SOLVENT: METHANOL:WATER (30:70)

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION	STD DEV	SUPELCO LOT NO
ACETONE	67-64-1	99.9	2000	1891	+/- 75.1	LB60265
CYCLOHEXANONE	108-94-1	99.5	20002	18806	+/- 673.6	LB67851
2-BUTANONE	78-93-3	99.9	2001	1888	+/- 78.2	LB38154
2-HEXANONE	591-78-6	99.9	2001	1877	+/- 70.9	LB57500
4-METHYL-2-PENTANONE	108-10-1	99.9	2001	1910	+/- 71.4	LB80301

VM 861149_ 00015

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

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SUPELCO®
Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

RECD 8-31-12

Custom Standard

Product Number: CUS-12302 **Page:** 1 of 2

Lot Number: CJ-3239 **Lot Issue Date:** 24-Aug-2012 **Expiration Date:** 30-Sep-2014

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
allyl chloride	000107-05-1	NT00409	50.3 ± 0.3 µg/mL
dichlorofluoromethane	000075-43-4	rm05287	50.2 ± 0.3 µg/mL
isopropyl ether	000108-20-3	RM04345	251.3 ± 1.3 µg/mL
chloroprene	000126-99-8	rm03863	50.0 ± 0.3 µg/mL
n-butyl alcohol	000071-36-3	RM01319	1005 ± 5 µg/mL
propionitrile	000107-12-0	RM05687	100.5 ± 0.5 µg/mL
methacrylonitrile	000126-98-7	RM05541	50.2 ± 0.3 µg/mL
isobutyl alcohol	000078-83-1	RM00981	1005 ± 5 µg/mL
methyl methacrylate	000080-62-6	RM00686	50.3 ± 0.3 µg/mL
diethyl ether	000060-29-7	RM04318	50.3 ± 0.3 µg/mL
ethyl acetate	000141-78-6	RM01211	100.4 ± 0.5 µg/mL
2-nitropropane	000079-46-9	RM02410	100.5 ± 0.5 µg/mL
cyclohexanone	000108-94-1	RM00480	502.4 ± 2.5 µg/mL
ETBE	000637-92-3	RM05301	50.3 ± 0.3 µg/mL
TAME	000994-05-8	RM00554	50.3 ± 0.3 µg/mL
1,2,3-trimethylbenzene	000526-73-8	RM00843	50.3 ± 0.3 µg/mL
n-heptane	000142-82-5	RM04192	50.0 ± 0.3 µg/mL
n-butyl acetate	000123-86-4	RM01217	100.2 ± 0.5 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1008

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
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William J. Leary
Quality Assurance Manager

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

Custom Standard

Product Number: CUS-12302 **Page:** 2 of 2

Lot Number: CJ-3239 **Lot Issue Date:** 24-Aug-2012 **Expiration Date:** 30-Sep-2014

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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9/20/12 TS

Custom Standard

Product Number: CUS-5013 **Page:** 1 of 1

Lot Number: CJ-3443 **Lot Issue Date:** 13-Sep-2012 **Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
vinyl acetate	000108-05-4	RM04478	2507 ± 13 µg/mL
methyl acetate	000079-20-9	NT02091	2505 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Custom Standard

Product Number: CUS-7814 **Page:** 1 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
1,1,2-trichlorotrifluoroethane	000076-13-1	1367777	50.2 ± 0.3 µg/mL
methyl iodide	000074-88-4	13302PC	50.2 ± 0.3 µg/mL
carbon disulfide	000075-15-0	AI-12071LU	50.2 ± 0.3 µg/mL
methylene chloride	000075-09-2	48248	50.2 ± 0.3 µg/mL
tert-butanol	000075-65-0	RM00555-0	1005 ± 5 µg/mL
1,1-dichloroethene	000075-35-4	02226CH	50.2 ± 0.3 µg/mL
1,1-dichloroethane	000075-34-3	64552/1	50.2 ± 0.3 µg/mL
trans-1,2-dichloroethene	000156-60-5	01306HD	50.2 ± 0.3 µg/mL
MTBE	001634-04-4	45123	50.2 ± 0.3 µg/mL
n-hexane	000110-54-3	4120791	50.2 ± 0.3 µg/mL
cis-1,2-dichloroethene	000156-59-2	MKBB9714	50.2 ± 0.3 µg/mL
tetrahydrofuran	000109-99-9	04928DN	50.2 ± 0.3 µg/mL
chloroform	000067-66-3	05143MN	50.2 ± 0.3 µg/mL
1,2-dichloroethane	000107-06-2	KN-09446KN	50.2 ± 0.3 µg/mL
dibromomethane	000074-95-3	EM-01514TJ	50.2 ± 0.3 µg/mL
1,4-dioxane	000123-91-1	RM02104-01	2501 ± 13 µg/mL
1,1,1-trichloroethane	000071-55-6	LU-13149TR	50.2 ± 0.3 µg/mL
carbon tetrachloride	000056-23-5	01704MF	50.2 ± 0.3 µg/mL
bromodichloromethane	000075-27-4	10529HD	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 2 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

1,2-dichloropropane	000078-87-5	DC-120777	50.2 ± 0.3 µg/mL
cis-1,3-dichloropropene	010061-01-5	PR-110509-01	50.2 ± 0.3 µg/mL
trichloroethene	000079-01-6	KN-08846KN	50.2 ± 0.3 µg/mL
dibromochloromethane	000124-48-1	MU-07705AN	50.2 ± 0.3 µg/mL
1,2-dibromoethane	000106-93-4	TB-101777	50.2 ± 0.3 µg/mL
1,2,3-trichloropropane	000096-18-4	01610KH	50.2 ± 0.3 µg/mL
1,1,2-trichloroethane	000079-00-5	JB-0701HH	50.2 ± 0.3 µg/mL
benzene	000071-43-2	34097	50.2 ± 0.3 µg/mL
ethyl methacrylate	000097-63-2	04004EH	50.2 ± 0.3 µg/mL
trans-1,3-dichloropropene	010061-02-6	SR101007-01	50.2 ± 0.3 µg/mL
bromoform	000075-25-2	12312KC	50.2 ± 0.3 µg/mL
tetrachloroethene	000127-18-4	PS-00344BR	50.2 ± 0.3 µg/mL
toluene	000108-88-3	47144	50.2 ± 0.3 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	10917TB	50.2 ± 0.3 µg/mL
chlorobenzene	000108-90-7	07774MG	50.2 ± 0.3 µg/mL
ethylbenzene	000100-41-4	01558CC	50.2 ± 0.3 µg/mL
styrene	000100-42-5	LR-11228MQ	50.2 ± 0.3 µg/mL
trans-1,4-dichloro-2-butene	000110-57-6	17013BH	50.2 ± 0.3 µg/mL
m-xylene	000108-38-3	DI-00459CI	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 3 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

p-xylene	000106-42-3	03747LN	50.2 ± 0.3 µg/mL
o-xylene	000095-47-6	DO-06834CO	50.2 ± 0.3 µg/mL
1,3-dichlorobenzene	000541-73-1	JN-05902LZ	50.2 ± 0.3 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	50.2 ± 0.3 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	50.2 ± 0.3 µg/mL
bromochloromethane	000074-97-5	JS-16015HS	50.2 ± 0.3 µg/mL
bromobenzene	000108-86-1	CG-02513MF	50.2 ± 0.3 µg/mL
isopropylbenzene	000098-82-8	02827BH	50.2 ± 0.3 µg/mL
n-propylbenzene	000103-65-1	LO-14503MR	50.2 ± 0.3 µg/mL
n-butylbenzene	000104-51-8	AA-28519CO	50.2 ± 0.3 µg/mL
sec-butylbenzene	000135-98-8	07610JE	50.2 ± 0.3 µg/mL
tert-butylbenzene	000098-06-6	MQ-04010MQ	50.2 ± 0.3 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	50.2 ± 0.3 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	50.2 ± 0.3 µg/mL
1,2,3-trichlorobenzene	000087-61-6	12912PF	50.2 ± 0.3 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	50.2 ± 0.3 µg/mL
1,1-dichloropropene	000563-58-6	PR-11130-8	50.2 ± 0.3 µg/mL
1,3-dichloropropane	000142-28-9	PR-17916MR	50.2 ± 0.3 µg/mL
2,2-dichloropropane	000594-20-7	03503TD	50.2 ± 0.3 µg/mL

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Product Number: CUS-7814 **Page:** 4 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

2-chlorotoluene	000095-49-8	KZ-03621HX	50.2 ± 0.3 µg/mL
4-chlorotoluene	000106-43-4	03327TH	50.2 ± 0.3 µg/mL
4-isopropyltoluene	000099-87-6	PP-05104CP	50.2 ± 0.3 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	FBL-01	50.2 ± 0.3 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	50.1 ± 0.3 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	10312DD	50.2 ± 0.3 µg/mL
naphthalene	000091-20-3	14205KB	50.2 ± 0.3 µg/mL
methyl acetate	000079-20-9	16318HA	50.2 ± 0.3 µg/mL
methylcyclohexane	000108-87-2	02348HD	50.2 ± 0.3 µg/mL
cyclohexane	000110-82-7	46184	50.2 ± 0.3 µg/mL
1,3,5-trichlorobenzene	000108-70-3	HW-00718EV	50.2 ± 0.3 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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2/1/12 TS

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Product Number: CUS-8125 **Page:** 1 of 1

Lot Number: CG-3334 **Lot Issue Date:** Sep-2010 **Expiration Date:** Oct-2012

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	01127CO	25046 ± 125 µg/mL
dibromofluoromethane	001868-53-7	RM01021	25120 ± 126 µg/mL
1,2-dichloroethane-d4	017060-07-0	9H-136	25058 ± 125 µg/mL
toluene-d8	002037-26-5	E90P1	25096 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM CUS 8125- 00007

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RECD 8-31-12

Custom Standard

Product Number: CUS-8126 **Page:** 1 of 1

Lot Number: CJ-3237 **Lot Issue Date:** 23-Aug-2012 **Expiration Date:** 30-Sep-2014

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
chlorobenzene-d5	003114-55-4	RM05018	25079 ± 125 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM05021	25046 ± 125 µg/mL
fluorobenzene	000462-06-6	RM03366	25081 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-8634 **Page:** 1 of 1

Lot Number: CJ-3453 **Lot Issue Date:** 13-Sep-2012 **Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acrylonitrile	000107-13-1	RM05172	5015 ± 25 µg/mL
acetonitrile	000075-05-8	RM01645	25035 ± 125 µg/mL
acrolein	000107-02-8	RM01532	25058 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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REC'D 5-15-12

VOC Gas Mixture

Product Number: DWM-544 **Page:** 1 of 1

Lot Number: CJ-0858 **Lot Issue Date:** 15-Mar-2012 **Expiration Date:** 30-Apr-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
bromomethane	000074-83-9	06623AQ	2008 ± 10 µg/mL
chloroethane	000075-00-3	00223KG	2009 ± 10 µg/mL
chloromethane	000074-87-3	07-44048	2008 ± 10 µg/mL
dichlorodifluoromethane	000075-71-8	Q96-67	2008 ± 10 µg/mL
trichlorofluoromethane	000075-69-4	DR-16417BR	2006 ± 10 µg/mL
vinyl chloride	000075-01-4	1201FC10	2008 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM DWM544_00011

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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TS 6/9/11

2-Chloroethylvinyl Ether Solution

Product Number: EPA-1016 **Page:** 1 of 1

Lot Number: CG-0850 **Lot Issue Date:** Mar-2010 **Expiration Date:** Apr-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
2-chloroethylvinyl ether	000110-75-8	04606CJ	5015 ± 25 µg/mL

Matrix: methanol (methyl alcohol)

VMGPA1016_ 00003

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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RCC'D
5-15-12

Internal Standard Mixture

Product Number: STM-520 **Page:** 1 of 1

Lot Number: CH-3660 **Lot Issue Date:** 15-Nov-2011 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
chlorobenzene-d5	003114-55-4	RM01430-01	2503 ± 13 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM01700-06	2500 ± 13 µg/mL
fluorobenzene	000462-06-6	RM03366-01	2513 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMSTM520_00016

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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RECD 5-15-12

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Method 8260 Surrogate Standard Mixture

Product Number: STM-530 **Page:** 1 of 1

Lot Number: CJ-1280 **Lot Issue Date:** 17-Apr-2012 **Expiration Date:** 31-May-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	RM03908-	2512 ± 13 µg/mL
dibromofluoromethane	001868-53-7	RM04871-01	2512 ± 13 µg/mL
1,2-dichloroethane-d4	017060-07-0	RM04304-	2512 ± 13 µg/mL
toluene-d8	002037-26-5	RM04138-	2512 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMSTM530_ 00014

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Method 8260 Surrogate Standard Mixture

Product Number: STM-530 **Page:** 1 of 1

Lot Number: CJ-1280 **Lot Issue Date:** 17-Apr-2012 **Expiration Date:** 31-May-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	RM03908-	2512 ± 13 µg/mL
dibromofluoromethane	001868-53-7	RM04871-01	2512 ± 13 µg/mL
1,2-dichloroethane-d4	017060-07-0	RM04304-	2512 ± 13 µg/mL
toluene-d8	002037-26-5	RM04138-	2512 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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RFC'D 5-15-11

2-Methylnaphthalene Solution

Product Number: SV-200 **Page:** 1 of 1

Lot Number: CC-1268Z **Lot Issue Date:** 15-Jul-2011 **Expiration Date:** 31-Aug-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
2-methylnaphthalene	000091-57-6	15416DA	100.4 ± 0.5 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at Room Temperature (18-25° C)

VMSV200_00008

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 33905 **Lot No.:** A078069

Description : 8330 Calibration Standard

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2014 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	HMX	2691-41-0	99%	1,000.0 ug/ml	+/-0.59 %
2	RDX	121-82-4	98%	999.6 ug/ml	+/-0.59 %
3	1,3,5-Trinitrobenzene	99-35-4	99%	1,000.0 ug/ml	+/-0.59 %
4	1,3-Dinitrobenzene	99-65-0	97%	1,000.1 ug/ml	+/-0.59 %
5	Nitrobenzene	98-95-3	99%	1,000.0 ug/ml	+/-0.59 %
6	Tetryl	479-45-8	99%	1,000.0 ug/ml	+/-0.59 %
7	2,4,6-Trinitrotoluene	118-96-7	98%	999.6 ug/ml	+/-0.59 %
8	2-Amino-4,6-dinitrotoluene	35572-78-2	99%	1,000.0 ug/ml	+/-0.59 %
9	4-Amino-2,6-dinitrotoluene	19406-51-0	98%	999.6 ug/ml	+/-0.59 %
10	2,4-Dinitrotoluene	121-14-2	99%	1,000.0 ug/ml	+/-0.59 %
11	2,6-Dinitrotoluene	606-20-2	99%	1,000.0 ug/ml	+/-0.59 %
12	2-Nitrotoluene	88-72-2	99%	1,000.0 ug/ml	+/-0.59 %
13	4-Nitrotoluene	99-99-0	99%	1,000.0 ug/ml	+/-0.59 %
14	3-Nitrotoluene	99-08-1	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Acetonitrile	75-05-8	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

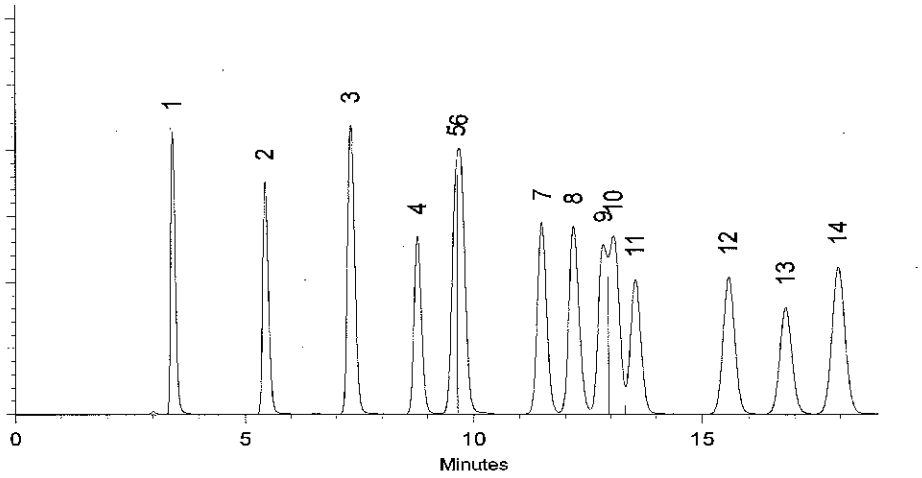
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31452 **Lot No.:** A082463

Description : 8330 Internal Standard Mix

SV Mix, 8000 Series Method, 8330 Internal Std, 3,4-dinitrotoluene, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L., K=2) [4]
1	3,4-Dinitrotoluene	610-39-9	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

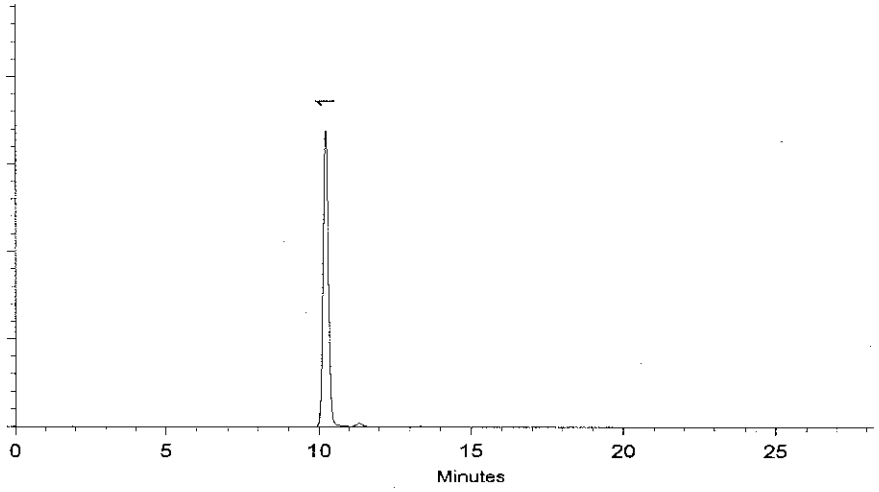
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Rcvd 1/5/12

John Lidgett - QA Analyst

Date Passed: 23-Jun-2011 **Balance:** 1125113331

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31452 **Lot No.:** A082463

Description : 8330 Internal Standard Mix

SV Mix, 8000 Series Method, 8330 Internal Std, 3,4-dinitrotoluene, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L., K=2) [4]
1	3,4-Dinitrotoluene	610-39-9	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

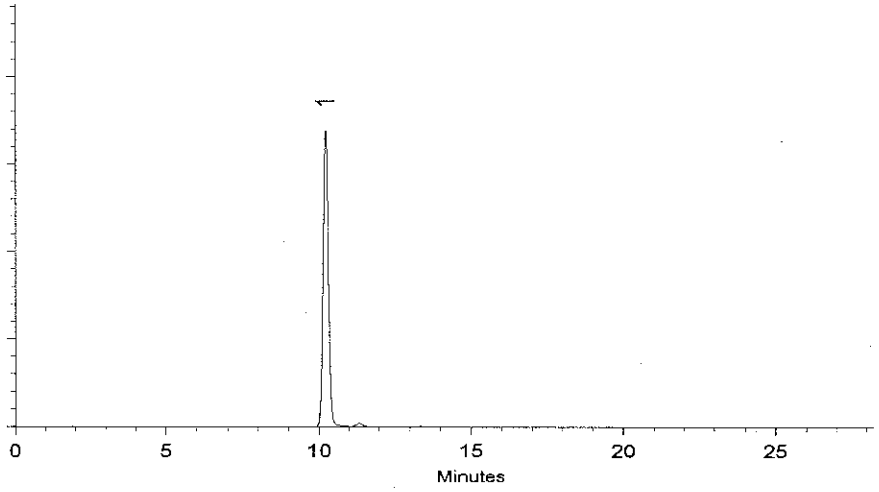
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Rcvd 11/5/12

John Lidgett - QA Analyst

Date Passed: 23-Jun-2011 **Balance:** 1125113331

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

Standard Solution Assay Parameters

Analysis Method:	HPLC/UV
Column:	Prodigy ODS 3, 4.6 x 250 mm
Mobile Phase:	A: Water B: Methanol

Gradient Program:

Time (mins)	%A	%B
0.0	50	50
10.0	40	60
25.0	40	60

Flow Rate:	0.8 mL/min
Wavelength:	254 nm

Calibration Curve

Calibration Curve:	Linear Regression
Number of Points:	1

Solution Standard Verification and Homogeneity

Compound	Verified Concentration µg/mL	Acceptance Criteria	%RSD - Homogeneity %	Acceptance Criteria
2-Amino-4,6-dinitrotoluene	199.9	± 10%	0.8	≤ 3%
4-Amino-2,6-dinitrotoluene	201.3	± 10%	1.4	≤ 3%
1,3-Dinitrobenzene	199.5	± 10%	0.7	≤ 3%
2,4-Dinitrotoluene	200.1	± 10%	0.6	≤ 3%
2,6-Dinitrotoluene	197.7	± 10%	0.9	≤ 3%
HMX	199.5	± 10%	0.7	≤ 3%
Nitrobenzene	199.8	± 10%	0.5	≤ 3%
2-Nitrotoluene	199.5	± 10%	0.2	≤ 3%
3-Nitrotoluene	199.0	± 10%	0.5	≤ 3%
4-Nitrotoluene	199.4	± 10%	0.6	≤ 3%
RDX	199.4	± 10%	0.7	≤ 3%
Tetryl	197.8	± 10%	0.7	≤ 3%
1,3,5-Trinitrobenzene	199.3	± 10%	0.7	≤ 3%
2,4,6-Trinitrotoluene (TNT)	198.6	± 10%	1.0	≤ 3%

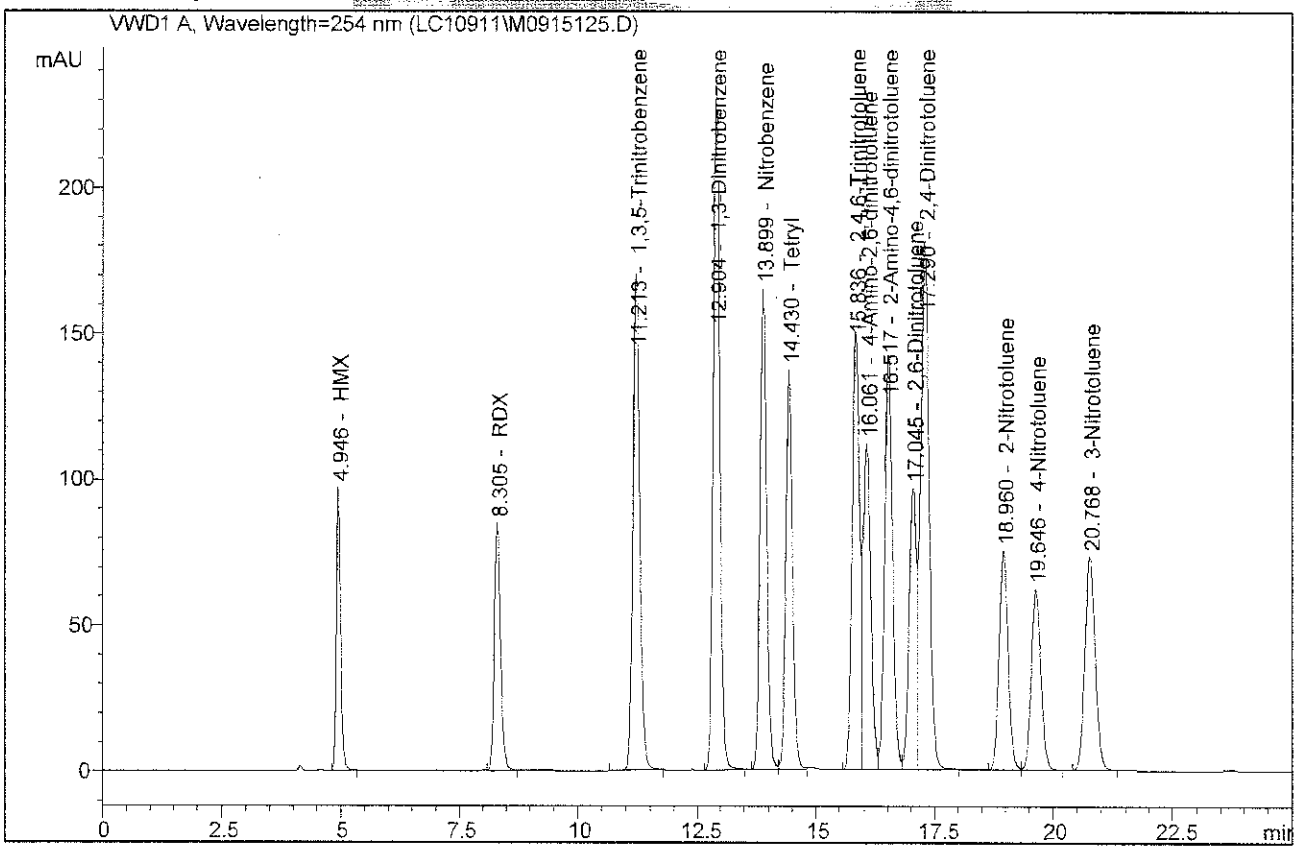
- Concentration is verified through multiple analyses and is calculated as the average of multiple analyses compared to an independently prepared calibration curve.
- Homogeneity is ensured through rigorous production process controls statistically analyzed to evaluate risk and verified by analysis. The %RSD of samples pulled from across the lot demonstrate homogeneity.
- Product is compared to prior lot and meets acceptance criteria of ± 10%.

Neat Material Data

Compound	Lot Number	CAS Number	Chemical Formula	Molecular Weight	Chromatographic Purity
2-Amino-4,6-dinitrotoluene	29550-55	35572-78-2	$C_7H_7N_3O_4$	197.15	99.98%
4-Amino-2,6-dinitrotoluene	ER070908-01	19406-51-0	$C_7H_7N_3O_4$	197.15	99.88%
1,3-Dinitrobenzene	EB-1876	99-65-0	$C_6H_4N_2O_4$	168.11	98.72%
2,4-Dinitrotoluene	EB-1379	121-14-2	$C_7H_6N_2O_4$	182.14	99.00%
2,6-Dinitrotoluene	PER-083-93401	606-20-2	$C_7H_6N_2O_4$	182.14	99.59%
HMX	ER052908-01	2691-41-0	$C_4H_8N_8O_8$	296.16	98.41%
Nitrobenzene	PR090310-01	98-95-3	$C_6H_5NO_2$	123.11	99.96%
2-Nitrotoluene	EB-1509	88-72-2	$C_7H_7NO_2$	137.14	99.95%
3-Nitrotoluene	EB-1519	99-08-1	$C_7H_7NO_2$	137.14	99.94%
4-Nitrotoluene	EB-1816	99-99-0	$C_7H_7NO_2$	137.14	99.81%
RDX	ER091609-04	121-82-4	$C_3H_6N_6O_6$	222.12	99.94%
Tetryl	34268-43	479-45-8	$C_7H_5N_5O_8$	287.15	98.67%
1,3,5-Trinitrobenzene	PR122706-01	99-35-4	$C_6H_3N_3O_6$	213.11	99.96%
2,4,6-Trinitrotoluene (TNT)	PR041911-01	118-96-7	$C_7H_5N_3O_6$	227.13	99.89%

+ Purity Factor = [(100 - wt% residual solvent - wt% residual water - wt% residual inorganics) x Chromatographic Purity/100].

Product Analysis



Rcvd 3/16/12

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Certificate of Analysis

ACCREDITED
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31601 **Lot No.:** A085885

Description : EGDN Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 2017 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	EGDN	628-96-6	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

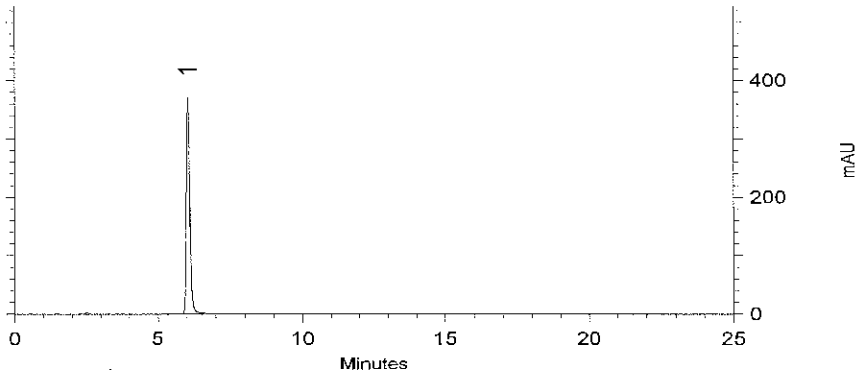
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 16-Jan-2012 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the RM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Uncertainty Value Notes:

- Uncertainties are determined using data from balances and glassware, raw material purity, and, when significant, equipment tolerances or calibration results.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

HP NGTA – 00001

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31498 **Lot No.:** A082035

Description : Nitroglycerin Standard

SV Mix, Nitroglycerin Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Nitroglycerin	55-63-0	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

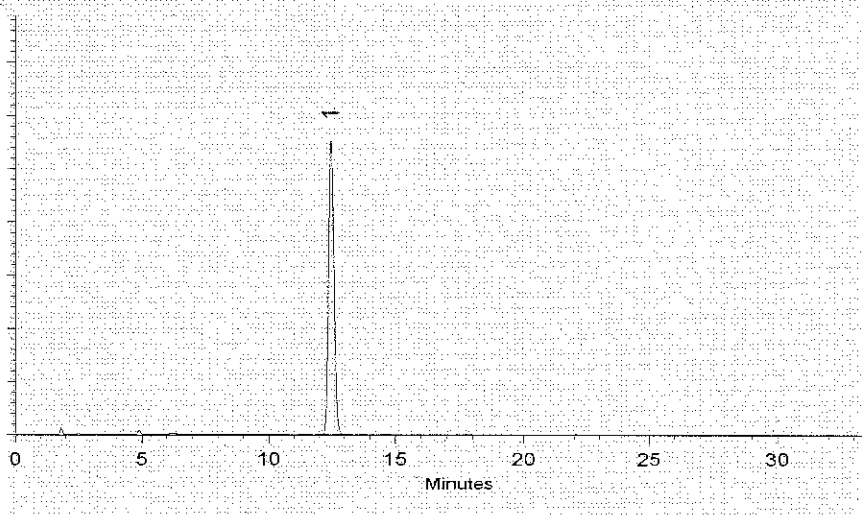
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31498 **Lot No.:** A082035

Description : Nitroglycerin Standard

SV Mix, Nitroglycerin Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Nitroglycerin	55-63-0	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

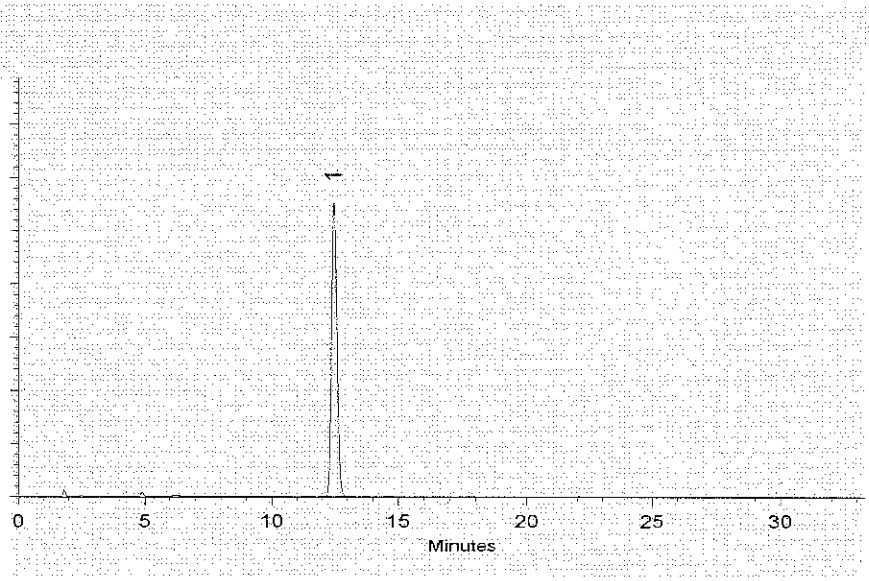
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. :	31602	**Lot No.:**	A076817
Description :	Nitroguanidine Standard		
Container Size :	2 mL	**Pkg Amt:**	> 1 mL
Expiration Date : [1]	September 2015	**Storage:**	Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	% Grav.Uncert. [4] (95% C.L., K=2)
1	Nitroguanidine	556-88-7	99%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

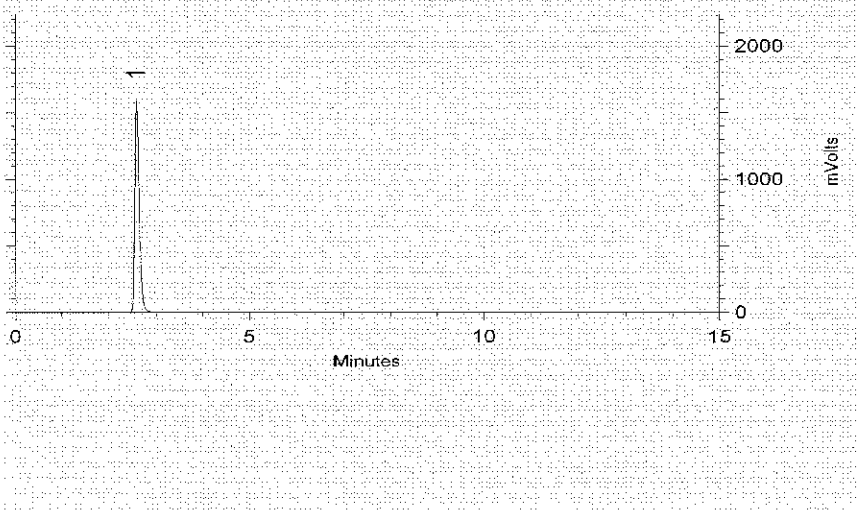
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 16-Sep-2010 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

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Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: M-8330-ADD-6
Description: Nitroguanidine
Lot: 211111014
Solvent: Methanol

Date Certified: Nov 1, 2011
Expiration: Nov 1, 2013
Sample Size: 1 mL
Storage Condition: Freeze (<-10° C)
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (HPLC)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Nitroguanidine	556-88-7	100	100.5	100.5

Rcvd 5/25/12

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822-275872-11
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

Rcvd 3/20/12

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Certificate of Analysis

ACCREDITED Reference Material Producer Certificate #3222.01

ACCREDITED Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31499 **Lot No.:** A086505

Description : Picric Acid Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2017 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Picric Acid	1,000.0 ug/mL	+/- 5.9397	ug/mL	Gravimetric
	CAS # 88-89-1		+/- 32.2037	ug/mL	Unstressed
	Purity 99%		+/- 44.7693	ug/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.53mm x 0.5um
Rtx-5 (cat.# 10240)

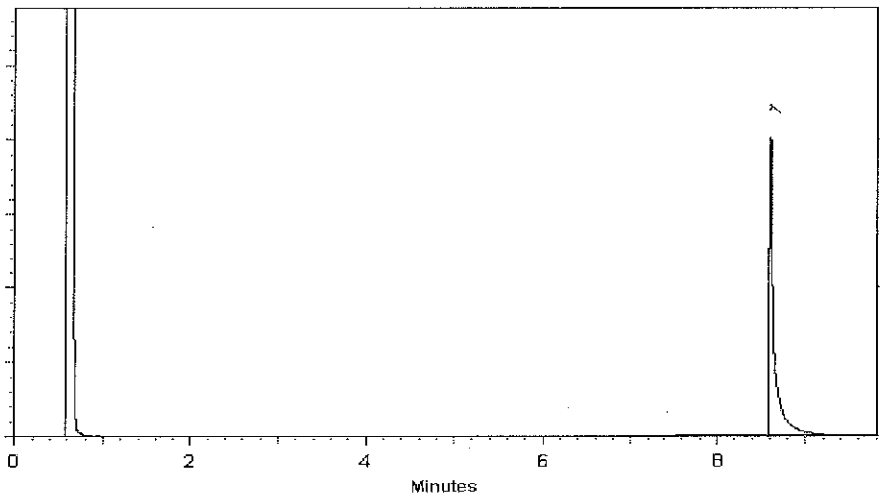
Carrier Gas:
hydrogen-constant flow 11 mL/min

Temp. Program:
70°C (hold 2 min.) to 225°C
@ 20°C/min.

Inj. Temp:
cold on-column

Det. Temp:
335°C

Det. Type:
FID



Valerie N. Walters - QA Analyst

Date Passed: 16-Mar-2012 **Balance:** 1128342313

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Rec'd 3/16/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31600 **Lot No.:** A085138

Description : PETN Standard

SV Mix, PETN Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	PETN	78-11-5	99%	1,000.0 ug/mL	+/- 5.8686 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

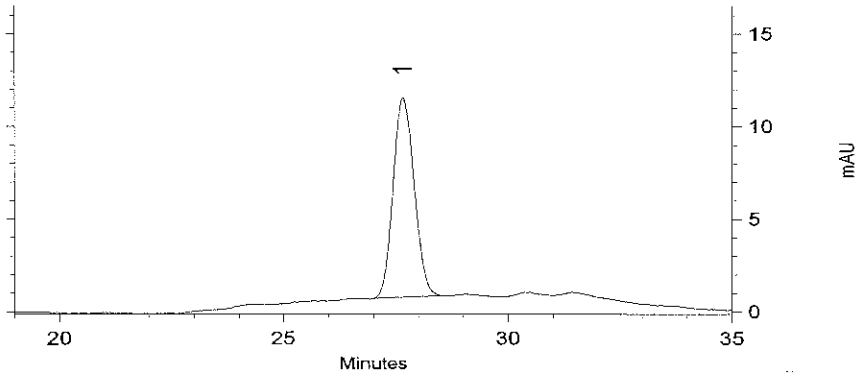
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 23-Nov-2011 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

Rec'd 3/16/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31600 **Lot No.:** A085138

Description : PETN Standard

SV Mix, PETN Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	PETN	78-11-5	99%	1,000.0 ug/mL	+/- 5.8686 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

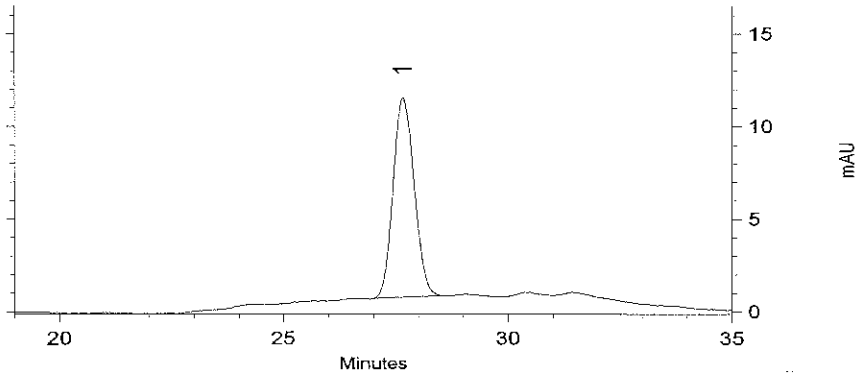
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 23-Nov-2011 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

ERA

A Waters Company

Certificate of Analysis

Rcd 11/6/12

PRODUCT:	1000 mg/L Nitrite as N (NO_2-N)
CATALOG NUMBER:	053 -125 mL; 990 - 500 mL
LOT NUMBER:	210912
ISSUE DATE:	September 21, 2012
REVISION DATE:	Original
STARTING MATERIAL:	Sodium Nitrite ($NaNO_2$)
CERTIFIED CONCENTRATION[1]:	1000 mg/L
UNCERTAINTY[2]:	0.6%
MATRIX:	18 megohm deionized water
DENSITY:	1.0007 ± 0.0008 g/mL at 21.5°C and 778 mm Hg
TRACEABILITY[3]:	NA
NIST/SRM:	SRM not available
VERIFICATION METHOD:	Ion Chromatography
STORAGE:	Store at 20-25°C

1. The **Certified Concentration** is the actual made-to concentration confirmed by ERA analytical verification.

2. The stated **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor which is equal to the student t factor at a 95% confidence interval at n-1 degrees of freedom. The uncertainty applies to the product as supplied and does not take into account any required or optional dilutions and/or preparations the laboratory may perform while using this product.

3. Traceability Recovery = ((% Recovery certified standard)/(% Recovery NIST SRM))*100.

   The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

This standard **expires 9/2014**. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

This product is intended to be used as either a calibration standard or a quality control check of the entire analytical process for the analytes/matrix included in the standard.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or email to info@eraqc.com

Certifying Officer: Tom Widera

ACCREDITED

REFERENCE MATERIAL PRODUCER
CERT # 1539.03

16341 Table Mtn Pkwy, Golden, CO 80403 800-372-0122 fax: 303-421-0159 www.eraqc.com

DEC 1 9 2013

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

CPI INTERNATIONAL
Advanced Analytical, Semiconductor and Life Science Solutions

Europe
P.O. Box 2704 P: +31 20 638 05 97
1000 CS Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com
www.colitag.com

CERTIFICATE OF ANALYSIS

P/N 4400-IC12M

Ion Chromatography Nitrogen Standard
N in H_2O
1000 µg/mL ± 0.5%

Lot # 12B200

Material Source: Sodium nitrite ($NaNO_2$)
Source Purity: 99.99%

This standard solution was prepared using a high-purity starting material and 18-megaohm deionized water. The starting material was weighed to five significant figures and diluted in a Class A volumetric glassware calibrated in accordance with National Bureau of Standards Circular 602. All balances are routinely calibrated using Class F NIST traceable weights.

This solution was certified instrumentally against the National Institute of Standards and Technology's SRM 3100 series.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA or +31 20 638 05 97 in Europe.

ISO 9001:2008 ACLASS ISO 17025
colitag™ PEAK PERFORMANCE™ CERTIFIED REFERENCE MATERIALS MOD BLOCK Accu•prep 7000™ Extraction Manifold Nu•Phase™ SPE Disks

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-17477-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAC	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAC	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAC	5	200004
TestAmerica Canton	Kansas	NELAC	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAC	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAC	2	OH001
TestAmerica Canton	New York	NELAC	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica Canton	Texas	NELAC	6	
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAC	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190
TestAmerica West Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica West Sacramento	Arizona	State Program	9	AZ0708
TestAmerica West Sacramento	Arkansas DEQ	State Program	6	88-0691
TestAmerica West Sacramento	California	NELAC	9	1119CA
TestAmerica West Sacramento	Colorado	State Program	8	N/A
TestAmerica West Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica West Sacramento	Florida	NELAC	4	E87570
TestAmerica West Sacramento	Guam	State Program	9	N/A
TestAmerica West Sacramento	Hawaii	State Program	9	N/A
TestAmerica West Sacramento	Illinois	NELAC	5	200060
TestAmerica West Sacramento	Kansas	NELAC	7	E-10375
TestAmerica West Sacramento	Louisiana	NELAC	6	30612
TestAmerica West Sacramento	Michigan	State Program	5	9947
TestAmerica West Sacramento	Nevada	State Program	9	CA44
TestAmerica West Sacramento	New Jersey	NELAC	2	CA005
TestAmerica West Sacramento	New York	NELAC	2	11666
TestAmerica West Sacramento	Northern Mariana Islands	State Program	9	MP0007
TestAmerica West Sacramento	Oregon	NELAC	10	CA200005
TestAmerica West Sacramento	Pennsylvania	NELAC	3	68-01272
TestAmerica West Sacramento	South Carolina	State Program	4	87014
TestAmerica West Sacramento	Texas	NELAC	6	T104704399-08-TX
TestAmerica West Sacramento	US Fish & Wildlife	Federal		LE148388-0
TestAmerica West Sacramento	USDA	Federal		P330-11-00436
TestAmerica West Sacramento	Utah	NELAC	8	QUAN1
TestAmerica West Sacramento	Washington	State Program	10	C581
TestAmerica West Sacramento	West Virginia	State Program	3	9930C
TestAmerica West Sacramento	West Virginia DEP	State Program	3	334
TestAmerica West Sacramento	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MRL 240-65171/5	89	97	97	95
	MRL 240-65171/29	87	100	96	101
	MRL 240-65336/5	89	96	98	95
	MRL 240-65336/24	86	96	96	95

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
079SS-0004M-0001-SO	240-17477-6	84	95	107	121 Q
079SS-0005M-0001-SO	240-17477-7	81	92	112	126 Q
	MB 240-65171/8	83	95	93	97
	MB 240-65336/8	83	94	95	97
	LCS 240-65171/7	93	94	97	102
	LCS 240-65336/7	96	98	102	107
079SS-0004M-0001-SO MS	240-17477-6 MS	93	93	108	126 Q
079SS-0004M-0001-SO MSD	240-17477-6 MSD	78	83	86	96

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	59-138
DCA = 1,2-Dichloroethane-d4 (Surr)	61-130
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MRL 240-64831/5	100	99	104	99
	MRL 240-64831/12	104	104	109	97

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	50-150
DCA = 1,2-Dichloroethane-d4 (Surr)	50-150
TOL = Toluene-d8 (Surr)	50-150
BFB = 4-Bromofluorobenzene (Surr)	50-150

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
079SS-0006-0001-TB	240-17477-8	99	103	99	89
	MB 240-64831/6	101	102	101	94
	LCS 240-64831/4	102	105	104	106

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX0864.D

Lab ID: LCS 240-64831/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	10.7	107	65-130	
1,1,2,2-Tetrachloroethane	10.0	9.64	96	65-130	
1,1,2-Trichloroethane	10.0	10.4	104	75-125	
1,1-Dichloroethane	10.0	10.8	108	70-135	
1,1-Dichloroethene	10.0	10.9	109	70-130	
1,2-Dichloroethane	10.0	10.4	104	70-130	
1,2-Dichloropropane	10.0	10.4	104	75-125	
2-Butanone (MEK)	20.0	19.0	95	30-150	
2-Hexanone	20.0	20.0	100	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	20.1	100	60-135	
Acetone	20.0	21.4	107	40-140	
Benzene	10.0	10.4	104	80-120	
Bromoform	10.0	9.95	100	70-130	
Bromomethane	10.0	10.1	101	30-145	
Carbon disulfide	10.0	11.0	110	35-160	
Carbon tetrachloride	10.0	10.4	104	65-140	
Chlorobenzene	10.0	10.1	101	80-120	
Bromodichloromethane	10.0	10.5	105	75-120	
Chloromethane	10.0	9.74	97	40-125	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
Dibromochloromethane	10.0	10.1	101	60-135	
Ethylbenzene	10.0	10.4	104	75-125	
Methyl tert-butyl ether	10.0	10.4	104	65-125	
Methylene Chloride	10.0	11.4	114	55-140	
Styrene	10.0	10.7	107	65-135	
Tetrachloroethene	10.0	9.91	99	45-150	
Toluene	10.0	10.4	104	75-120	
Chloroform	10.0	10.1	101	65-135	
Bromochloromethane	10.0	10.2	102	65-130	
trans-1,3-Dichloropropene	10.0	10.3	103	55-140	
Trichloroethene	10.0	10.4	104	70-125	
Vinyl chloride	10.0	10.0	100	50-145	
Chloroethane	10.0	10.5	105	60-135	
Xylenes, Total	30.0	31.6	105	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149175.D

Lab ID: LCS 240-65171/7 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	52.5	105	70-135	
1,1,2,2-Tetrachloroethane	50.0	52.8	106	55-130	
1,1,2-Trichloroethane	50.0	53.1	106	60-125	
1,1-Dichloroethane	50.0	51.0	102	75-125	
1,1-Dichloroethene	50.0	49.9	100	65-135	
1,2-Dichloroethane	50.0	50.2	100	70-135	
1,2-Dichloropropane	50.0	52.2	104	70-120	
2-Butanone (MEK)	100	107	107	30-160	
2-Hexanone	100	110	110	45-145	
4-Methyl-2-pentanone (MIBK)	100	111	111	45-145	
Acetone	100	116	116	20-160	
Benzene	50.0	49.4	99	75-125	
Bromoform	50.0	44.8	90	55-135	
Bromomethane	50.0	43.0	86	30-160	
Carbon disulfide	50.0	38.9	78	45-160	
Carbon tetrachloride	50.0	49.1	98	65-135	
Chlorobenzene	50.0	48.4	97	75-125	
Bromodichloromethane	50.0	44.0	88	70-130	
Chloromethane	50.0	48.2	96	50-130	
cis-1,3-Dichloropropene	50.0	46.1	92	70-125	
Dibromochloromethane	50.0	48.1	96	65-130	
Ethylbenzene	50.0	49.5	99	75-125	
Methyl tert-butyl ether	50.0	48.4	97	70-130	
Methylene Chloride	50.0	49.0	98	55-140	
Styrene	50.0	52.1	104	75-125	
Tetrachloroethene	50.0	50.1	100	65-140	
Toluene	50.0	49.1	98	70-125	
Chloroform	50.0	48.8	98	70-125	
Bromochloromethane	50.0	49.6	99	70-125	
trans-1,3-Dichloropropene	50.0	45.0	90	65-125	
Trichloroethene	50.0	50.5	101	75-125	
Vinyl chloride	50.0	47.1	94	60-125	
Chloroethane	50.0	44.2	88	40-155	
Xylenes, Total	150	149	99	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149208.D

Lab ID: LCS 240-65336/7 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	52.3	105	70-135	
1,1,2,2-Tetrachloroethane	50.0	57.6	115	55-130	
1,1,2-Trichloroethane	50.0	57.9	116	60-125	
1,1-Dichloroethane	50.0	52.6	105	75-125	
1,1-Dichloroethene	50.0	50.4	101	65-135	
1,2-Dichloroethane	50.0	53.5	107	70-135	
1,2-Dichloropropane	50.0	54.2	108	70-120	
2-Butanone (MEK)	100	114	114	30-160	
2-Hexanone	100	117	117	45-145	
4-Methyl-2-pentanone (MIBK)	100	123	123	45-145	
Acetone	100	125	125	20-160	
Benzene	50.0	52.3	105	75-125	
Bromoform	50.0	48.9	98	55-135	
Bromomethane	50.0	44.7	89	30-160	
Carbon disulfide	50.0	39.2	78	45-160	
Carbon tetrachloride	50.0	49.6	99	65-135	
Chlorobenzene	50.0	51.4	103	75-125	
Bromodichloromethane	50.0	48.2	96	70-130	
Chloromethane	50.0	51.6	103	50-130	
cis-1,3-Dichloropropene	50.0	50.6	101	70-125	
Dibromochloromethane	50.0	53.0	106	65-130	
Ethylbenzene	50.0	51.9	104	75-125	
Methyl tert-butyl ether	50.0	49.4	99	70-130	
Methylene Chloride	50.0	53.9	108	55-140	
Styrene	50.0	53.9	108	75-125	
Tetrachloroethene	50.0	53.7	107	65-140	
Toluene	50.0	53.4	107	70-125	
Chloroform	50.0	50.3	101	70-125	
Bromochloromethane	50.0	50.7	101	70-125	
trans-1,3-Dichloropropene	50.0	49.7	99	65-125	
Trichloroethene	50.0	54.1	108	75-125	
Vinyl chloride	50.0	49.5	99	60-125	
Chloroethane	50.0	44.5	89	40-155	
Xylenes, Total	150	156	104	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX0865.D

Lab ID: MRL 240-64831/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00100	0.00112	112	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.00115	115	70-130	
1,1,2-Trichloroethane	0.00100	0.00107	107	70-130	
1,1-Dichloroethane	0.00100	0.00109	109	70-130	
1,1-Dichloroethene	0.00100	0.00102	102	70-130	
1,2-Dichloroethane	0.00100	0.00113	113	70-130	
1,2-Dichloropropane	0.00100	0.00102	102	70-130	
2-Butanone (MEK)	0.0100	0.00880 J	88	70-130	
2-Hexanone	0.0100	0.00941 J	94	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00913 J	91	70-130	
Acetone	0.0100	0.00924 J	92	70-130	
Benzene	0.00100	0.00113	113	70-130	
Bromoform	0.00100	0.000918 J	92	70-130	
Bromomethane	0.00100	0.00135	135	70-130	^
Carbon disulfide	0.00100	0.00101	101	70-130	
Carbon tetrachloride	0.00100	0.00106	106	70-130	
Chlorobenzene	0.00100	0.00111	111	70-130	
Bromodichloromethane	0.00100	0.00103	103	70-130	
Chloromethane	0.00100	0.00135	135	70-130	^
cis-1,3-Dichloropropene	0.00100	0.000883 J	88	70-130	
Dibromochloromethane	0.00100	0.000963 J	96	70-130	
Ethylbenzene	0.00100	0.00104	104	70-130	
Methyl tert-butyl ether	0.00100	0.00106	106	70-130	
Methylene Chloride	0.00100	0.00251	251	70-130	^
Styrene	0.00100	0.000944 J	94	70-130	
Tetrachloroethene	0.00100	0.00105	105	70-130	
Toluene	0.00100	0.00110	110	70-130	
Chloroform	0.00100	0.00108	108	70-130	
Bromochloromethane	0.00100	0.00103	103	70-130	
trans-1,3-Dichloropropene	0.00100	0.000895 J	89	70-130	
Trichloroethene	0.00100	0.00105	105	70-130	
Vinyl chloride	0.00100	0.00123	123	70-130	
Chloroethane	0.00100	0.00143	143	70-130	^
Xylenes, Total	0.00300	0.00292	97	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX0872.D

Lab ID: MRL 240-64831/12 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00100	0.00104	104	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.00103	103	70-130	
1,1,2-Trichloroethane	0.00100	0.00110	110	70-130	
1,1-Dichloroethane	0.00100	0.00105	105	70-130	
1,1-Dichloroethene	0.00100	0.00106	106	70-130	
1,2-Dichloroethane	0.00100	0.00105	105	70-130	
1,2-Dichloropropane	0.00100	0.00100	100	70-130	
2-Butanone (MEK)	0.0100	0.00916 J	92	70-130	
2-Hexanone	0.0100	0.00917 J	92	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00922 J	92	70-130	
Acetone	0.0100	0.00985 J	99	70-130	
Benzene	0.00100	0.00104	104	70-130	
Bromoform	0.00100	0.000769 J	77	70-130	
Bromomethane	0.00100	0.00115	115	70-130	
Carbon disulfide	0.00100	0.000973 J	97	70-130	
Carbon tetrachloride	0.00100	0.00103	103	70-130	
Chlorobenzene	0.00100	0.000988 J	99	70-130	
Bromodichloromethane	0.00100	0.000934 J	93	70-130	
Chloromethane	0.00100	0.00124	124	70-130	
cis-1,3-Dichloropropene	0.00100	0.000883 J	88	70-130	
Dibromochloromethane	0.00100	0.000853 J	85	70-130	
Ethylbenzene	0.00100	0.000902 J	90	70-130	
Methyl tert-butyl ether	0.00100	0.000996 J	100	70-130	
Methylene Chloride	0.00100	0.00273	273	70-130	^
Styrene	0.00100	0.000771 J	77	70-130	
Tetrachloroethene	0.00100	0.00103	103	70-130	
Toluene	0.00100	0.00108	108	70-130	
Chloroform	0.00100	0.00107	107	70-130	
Bromochloromethane	0.00100	0.00109	109	70-130	
trans-1,3-Dichloropropene	0.00100	0.000855 J	85	70-130	
Trichloroethene	0.00100	0.00102	102	70-130	
Vinyl chloride	0.00100	0.00116	116	70-130	
Chloroethane	0.00100	0.00116	116	70-130	
Xylenes, Total	0.00300	0.00260	87	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149173.D

Lab ID: MRL 240-65171/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00465	93	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00464	93	70-130	
1,1,2-Trichloroethane	0.00500	0.00489	98	70-130	
1,1-Dichloroethane	0.00500	0.00470	94	70-130	
1,1-Dichloroethene	0.00500	0.00478	96	70-130	
1,2-Dichloroethane	0.00500	0.00505	101	70-130	
1,2-Dichloropropane	0.00500	0.00485	97	70-130	
2-Butanone (MEK)	0.0100	0.0102	102	70-130	
2-Hexanone	0.0100	0.00914 J	91	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00948 J	95	70-130	
Acetone	0.0100	0.0175	175	70-130	^
Benzene	0.00500	0.00490	98	70-130	
Bromoform	0.00500	0.00607	121	70-130	
Bromomethane	0.00500	0.00580	116	70-130	
Carbon disulfide	0.00500	0.00358	72	70-130	
Carbon tetrachloride	0.00500	0.00456	91	70-130	
Chlorobenzene	0.00500	0.00498	100	70-130	
Bromodichloromethane	0.00500	0.00411	82	70-130	
Chloromethane	0.00500	0.00583	117	70-130	
cis-1,3-Dichloropropene	0.00500	0.00504	101	70-130	
Dibromochloromethane	0.00500	0.00454	91	70-130	
Ethylbenzene	0.00500	0.00470	94	70-130	
Methyl tert-butyl ether	0.00500	0.00465	93	70-130	
Methylene Chloride	0.00500	0.00565	113	70-130	
Styrene	0.00500	0.00411	82	70-130	
Tetrachloroethene	0.00500	0.00523	105	70-130	
Toluene	0.00500	0.00494	99	70-130	
Chloroform	0.00500	0.00474	95	70-130	
Bromochloromethane	0.00500	0.00475	95	70-130	
trans-1,3-Dichloropropene	0.00500	0.00416	83	70-130	
Trichloroethene	0.00500	0.00490	98	70-130	
Vinyl chloride	0.00500	0.00555	111	70-130	
Chloroethane	0.00500	0.00562	112	70-130	
Xylenes, Total	0.0150	0.0139	92	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149197.D

Lab ID: MRL 240-65171/29 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00437	87	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00525	105	70-130	
1,1,2-Trichloroethane	0.00500	0.00567	113	70-130	
1,1-Dichloroethane	0.00500	0.00476	95	70-130	
1,1-Dichloroethene	0.00500	0.00467	93	70-130	
1,2-Dichloroethane	0.00500	0.00522	104	70-130	
1,2-Dichloropropane	0.00500	0.00508	102	70-130	
2-Butanone (MEK)	0.0100	0.0119	119	70-130	
2-Hexanone	0.0100	0.0109	109	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.0102	102	70-130	
Acetone	0.0100	0.0201	201	70-130	^
Benzene	0.00500	0.00504	101	70-130	
Bromoform	0.00500	0.00648	130	70-130	
Bromomethane	0.00500	0.00491	98	70-130	
Carbon disulfide	0.00500	0.00353	71	70-130	
Carbon tetrachloride	0.00500	0.00444	89	70-130	
Chlorobenzene	0.00500	0.00495	99	70-130	
Bromodichloromethane	0.00500	0.00433	87	70-130	
Chloromethane	0.00500	0.00516	103	70-130	
cis-1,3-Dichloropropene	0.00500	0.00542	108	70-130	
Dibromochloromethane	0.00500	0.00492	98	70-130	
Ethylbenzene	0.00500	0.00487	97	70-130	
Methyl tert-butyl ether	0.00500	0.00451	90	70-130	
Methylene Chloride	0.00500	0.00528	106	70-130	
Styrene	0.00500	0.00453	91	70-130	
Tetrachloroethene	0.00500	0.00537	107	70-130	
Toluene	0.00500	0.00512	102	70-130	
Chloroform	0.00500	0.00471	94	70-130	
Bromochloromethane	0.00500	0.00472	94	70-130	
trans-1,3-Dichloropropene	0.00500	0.00425	85	70-130	
Trichloroethene	0.00500	0.00521	104	70-130	
Vinyl chloride	0.00500	0.00518	104	70-130	
Chloroethane	0.00500	0.00482	96	70-130	
Xylenes, Total	0.0150	0.0148	99	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149206.D

Lab ID: MRL 240-65336/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00391	78	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00410	82	70-130	
1,1,2-Trichloroethane	0.00500	0.00477	95	70-130	
1,1-Dichloroethane	0.00500	0.00413	83	70-130	
1,1-Dichloroethene	0.00500	0.00402	80	70-130	
1,2-Dichloroethane	0.00500	0.00436	87	70-130	
1,2-Dichloropropane	0.00500	0.00422	84	70-130	
2-Butanone (MEK)	0.0100	0.00944 J	94	70-130	
2-Hexanone	0.0100	0.00844 J	84	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00902 J	90	70-130	
Acetone	0.0100	0.0231	231	70-130	^
Benzene	0.00500	0.00434	87	70-130	
Bromoform	0.00500	0.00610	122	70-130	
Bromomethane	0.00500	0.00509	102	70-130	
Carbon disulfide	0.00500	0.00318	64	70-130	^
Carbon tetrachloride	0.00500	0.00384	77	70-130	
Chlorobenzene	0.00500	0.00431	86	70-130	
Bromodichloromethane	0.00500	0.00374	75	70-130	
Chloromethane	0.00500	0.00528	106	70-130	
cis-1,3-Dichloropropene	0.00500	0.00485	97	70-130	
Dibromochloromethane	0.00500	0.00440	88	70-130	
Ethylbenzene	0.00500	0.00420	84	70-130	
Methyl tert-butyl ether	0.00500	0.00395	79	70-130	
Methylene Chloride	0.00500	0.00912	182	70-130	^
Styrene	0.00500	0.00379	76	70-130	
Tetrachloroethene	0.00500	0.00458	92	70-130	
Toluene	0.00500	0.00454	91	70-130	
Chloroform	0.00500	0.00417	83	70-130	
Bromochloromethane	0.00500	0.00409	82	70-130	
trans-1,3-Dichloropropene	0.00500	0.00373	75	70-130	
Trichloroethene	0.00500	0.00429	86	70-130	
Vinyl chloride	0.00500	0.00515	103	70-130	
Chloroethane	0.00500	0.00511	102	70-130	
Xylenes, Total	0.0150	0.0126	84	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149225.D

Lab ID: MRL 240-65336/24 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00444	89	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00499	100	70-130	
1,1,2-Trichloroethane	0.00500	0.00567	113	70-130	
1,1-Dichloroethane	0.00500	0.00476	95	70-130	
1,1-Dichloroethene	0.00500	0.00457	91	70-130	
1,2-Dichloroethane	0.00500	0.00524	105	70-130	
1,2-Dichloropropane	0.00500	0.00493	99	70-130	
2-Butanone (MEK)	0.0100	0.00927 J	93	70-130	
2-Hexanone	0.0100	0.00959 J	96	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00929 J	93	70-130	
Acetone	0.0100	0.0236	236	70-130	^
Benzene	0.00500	0.00504	101	70-130	
Bromoform	0.00500	0.00625	125	70-130	
Bromomethane	0.00500	0.00449	90	70-130	
Carbon disulfide	0.00500	0.00342	68	70-130	^
Carbon tetrachloride	0.00500	0.00421	84	70-130	
Chlorobenzene	0.00500	0.00500	100	70-130	
Bromodichloromethane	0.00500	0.00431	86	70-130	
Chloromethane	0.00500	0.00502	100	70-130	
cis-1,3-Dichloropropene	0.00500	0.00541	108	70-130	
Dibromochloromethane	0.00500	0.00476	95	70-130	
Ethylbenzene	0.00500	0.00494	99	70-130	
Methyl tert-butyl ether	0.00500	0.00454	91	70-130	
Methylene Chloride	0.00500	0.00477	95	70-130	
Styrene	0.00500	0.00448	90	70-130	
Tetrachloroethene	0.00500	0.00506	101	70-130	
Toluene	0.00500	0.00520	104	70-130	
Chloroform	0.00500	0.00467	93	70-130	
Bromochloromethane	0.00500	0.00469	94	70-130	
trans-1,3-Dichloropropene	0.00500	0.00413	83	70-130	
Trichloroethene	0.00500	0.00530	106	70-130	
Vinyl chloride	0.00500	0.00480	96	70-130	
Chloroethane	0.00500	0.00454	91	70-130	
Xylenes, Total	0.0150	0.0144	96	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149193.D

Lab ID: 240-17477-6 MS Client ID: 079SS-0004M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	80.8	1.7 U	83.1	103	70-135	
1,1,2,2-Tetrachloroethane	80.8	0.85 U	104	128	55-130	
1,1,2-Trichloroethane	80.8	0.85 U	83.0	103	60-125	
1,1-Dichloroethane	80.8	0.85 U	82.2	102	75-125	
1,1-Dichloroethene	80.8	1.7 U	79.5	98	65-135	
1,2-Dichloroethane	80.8	0.85 U	74.4	92	70-135	
1,2-Dichloropropane	80.8	1.7 U	75.5	93	70-120	
2-Butanone (MEK)	162	3.4 U	114	70	30-160	
2-Hexanone	162	1.7 U	117	73	45-145	
4-Methyl-2-pentanone (MIBK)	162	1.7 U	164	102	45-145	
Acetone	162	11 U	131	81	20-160	
Benzene	80.8	0.85 U	74.0	92	75-125	
Bromochloromethane	80.8	1.7 U	75.0	93	70-125	
Bromodichloromethane	80.8	0.85 U	58.6	73	70-130	
Bromoform	80.8	0.85 U	51.9	64	55-135	
Bromomethane	80.8	1.7 U	57.5	71	30-160	
Carbon disulfide	80.8	1.5 J	52.7	63	45-160	
Carbon tetrachloride	80.8	0.85 U	71.6	89	65-135	
Chlorobenzene	80.8	0.85 U	61.2	76	75-125	
Chloroethane	80.8	1.7 U	74.1	92	40-155	
Chloroform	80.8	0.85 U	75.5	93	70-125	
Chloromethane	80.8	0.85 U	81.1	100	50-130	
cis-1,3-Dichloropropene	80.8	0.85 U	49.5	61	70-125	J
Dibromochloromethane	80.8	1.7 U	62.8	78	65-130	
Ethylbenzene	80.8	0.85 U	66.7	83	75-125	
Methyl tert-butyl ether	80.8	0.85 U	77.5	96	70-130	
Methylene Chloride	80.8	1.7 U	77.4	96	55-140	
Styrene	80.8	0.85 U	52.8	65	75-125	J
Tetrachloroethene	80.8	1.7 U	69.7	86	65-140	
Toluene	80.8	0.85 U	75.4	93	70-125	
trans-1,3-Dichloropropene	80.8	1.7 U	55.0	68	65-125	
Trichloroethene	80.8	0.85 U	69.0	85	75-125	
Vinyl chloride	80.8	0.85 U	76.8	95	60-125	
Xylenes, Total	242	2.5 U	193	80	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149194.D

Lab ID: 240-17477-6 MSD Client ID: 079SS-0004M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	87.4	616	704	152	30	70-135	J
1,1,2,2-Tetrachloroethane	87.4	243	278	80	30	55-130	J
1,1,2-Trichloroethane	87.4	274	313	107	30	60-125	J
1,1-Dichloroethane	87.4	515	589	145	30	75-125	J
1,1-Dichloroethene	87.4	671	768	158	30	65-135	J
1,2-Dichloroethane	87.4	272	311	114	30	70-135	J
1,2-Dichloropropane	87.4	370	423	132	30	70-120	J
2-Butanone (MEK)	175	337	193	99	30	30-160	J
2-Hexanone	175	317	181	92	30	45-145	J
4-Methyl-2-pentanone (MIBK)	175	313	179	62	30	45-145	J
Acetone	175	381	218	97	30	20-160	J
Benzene	87.4	438	501	142	30	75-125	J
Bromochloromethane	87.4	251	288	108	30	70-125	J
Bromodichloromethane	87.4	185	212	104	30	70-130	J
Bromoform	87.4	106	121	68	30	55-135	J
Bromomethane	87.4	909	1040	176	30	30-160	J
Carbon disulfide	87.4	422	481	156	30	45-160	J
Carbon tetrachloride	87.4	479	548	148	30	65-135	J
Chlorobenzene	87.4	262	300	124	30	75-125	J
Chloroethane	87.4	733	839	163	30	40-155	J
Chloroform	87.4	398	455	136	30	70-125	J
Chloromethane	87.4	687	785	158	30	50-130	J
cis-1,3-Dichloropropene	87.4	161	185	106	30	70-125	J
Dibromochloromethane	87.4	158	180	86	30	65-130	J
Ethylbenzene	87.4	301	344	127	30	75-125	J
Methyl tert-butyl ether	87.4	197	225	87	30	70-130	J
Methylene Chloride	87.4	415	475	137	30	55-140	J
Styrene	87.4	164	188	103	30	75-125	J
Tetrachloroethene	87.4	481	550	149	30	65-140	J
Toluene	87.4	411	470	138	30	70-125	J
trans-1,3-Dichloropropene	87.4	160	183	98	30	65-125	J
Trichloroethene	87.4	426	488	144	30	75-125	J
Vinyl chloride	87.4	758	867	163	30	60-125	J
Xylenes, Total	262	791	302	122	30	75-125	J

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: 149176.D Lab Sample ID: MB 240-65171/8

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX14 Date Analyzed: 11/15/2012 13:25

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-65171/7	149175.D	11/15/2012 13:03
079SS-0004M-0001-SO	240-17477-6	149192.D	11/15/2012 19:10
079SS-0004M-0001-SO MS	240-17477-6 MS	149193.D	11/15/2012 19:31
079SS-0004M-0001-SO MSD	240-17477-6 MSD	149194.D	11/15/2012 19:53

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: 149209.D Lab Sample ID: MB 240-65336/8

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX14 Date Analyzed: 11/16/2012 14:41

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-65336/7	149208.D	11/16/2012 14:20
079SS-0005M-0001-SO	240-17477-7	149224.D	11/16/2012 20:05

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: UXX0866.D Lab Sample ID: MB 240-64831/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX10 Date Analyzed: 11/13/2012 12:55

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-64831/4	UXX0864.D	11/13/2012 12:10
079SS-0006-0001-TB	240-17477-8	UXX0871.D	11/13/2012 15:05

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: BFB5043.D BFB Injection Date: 11/12/2012

Instrument ID: A3UX10 BFB Injection Time: 13:44

Analysis Batch No.: 64678

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.1	
75	30.0 - 60.0 % of mass 95	45.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.4	(0.5)1
174	50.0 - 120.00 % of mass 95	84.3	
175	5.0 - 9.0 % of mass 174	5.5	(6.5)1
176	95.0 - 101.0 % of mass 174	83.6	(99.2)1
177	5.0 - 9.0 % of mass 176	5.2	(6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-64678/2	UXX0846.D	11/12/2012	15:10
	STD8260 240-64678/3	UXX0847.D	11/12/2012	15:33
	STD8260 240-64678/4	UXX0848.D	11/12/2012	15:55
	STD8260 240-64678/5	UXX0849.D	11/12/2012	16:17
	STD8260 240-64678/6	UXX0850.D	11/12/2012	16:40
	STD8260 240-64678/7	UXX0851.D	11/12/2012	17:02
	STDA9 240-64678/8	UXX0852.D	11/12/2012	17:24
	STDA9 240-64678/9	UXX0853.D	11/12/2012	17:46
	STDA9 240-64678/10	UXX0854.D	11/12/2012	18:09
	STDA9 240-64678/11	UXX0855.D	11/12/2012	18:31
	STDA9 240-64678/12	UXX0856.D	11/12/2012	18:53
	STDA9 240-64678/13	UXX0857.D	11/12/2012	19:16
	ICV 240-64678/14	UXX0858.D	11/12/2012	19:38

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: BFB5045.D BFB Injection Date: 11/13/2012

Instrument ID: A3UX10 BFB Injection Time: 10:58

Analysis Batch No.: 64831

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.3	
75	30.0 - 60.0 % of mass 95	45.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	0.5	(0.7)1
174	50.0 - 120.00 % of mass 95	78.2	
175	5.0 - 9.0 % of mass 174	5.1	(6.5)1
176	95.0 - 101.0 % of mass 174	75.2	(96.2)1
177	5.0 - 9.0 % of mass 176	4.9	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-64831/2	UXX0862.D	11/13/2012	11:25
	CCV 240-64831/3	UXX0863.D	11/13/2012	11:47
	LCS 240-64831/4	UXX0864.D	11/13/2012	12:10
	MRL 240-64831/5	UXX0865.D	11/13/2012	12:33
	MB 240-64831/6	UXX0866.D	11/13/2012	12:55
079SS-0006-0001-TB	240-17477-8	UXX0871.D	11/13/2012	15:05
	MRL 240-64831/12	UXX0872.D	11/13/2012	15:27

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: BFB14279.D BFB Injection Date: 11/13/2012

Instrument ID: A3UX14 BFB Injection Time: 16:10

Analysis Batch No.: 64859

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.1	
75	30.0 - 60.0 % of mass 95	49.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	84.1	
175	5.0 - 9.0 % of mass 174	6.2	(7.4)1
176	95.0 - 101.0 % of mass 174	82.1	(97.6)1
177	5.0 - 9.0 % of mass 176	5.4	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 240-64859/3	149105.D	11/13/2012	16:53
	IC 240-64859/4	149106.D	11/13/2012	17:15
	IC 240-64859/5	149107.D	11/13/2012	17:36
	ICIS 240-64859/6	149108.D	11/13/2012	17:58
	IC 240-64859/7	149109.D	11/13/2012	18:19
	IC 240-64859/8	149110.D	11/13/2012	18:41
	IC 240-64859/9	149111.D	11/13/2012	19:02
	IC 240-64859/10	149112.D	11/13/2012	19:24
	IC 240-64859/11	149113.D	11/13/2012	19:45
	ICV 240-64859/21	149123.D	11/13/2012	23:21

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: BFB14281.D BFB Injection Date: 11/15/2012

Instrument ID: A3UX14 BFB Injection Time: 10:54

Analysis Batch No.: 65171

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.5	
75	30.0 - 60.0 % of mass 95	48.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	83.8	
175	5.0 - 9.0 % of mass 174	6.4	(7.7)1
176	95.0 - 101.0 % of mass 174	82.0	(97.9)1
177	5.0 - 9.0 % of mass 176	5.3	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-65171/3	149171.D	11/15/2012	11:37
	CCV 240-65171/4	149172.D	11/15/2012	11:58
	MRL 240-65171/5	149173.D	11/15/2012	12:20
	LCS 240-65171/7	149175.D	11/15/2012	13:03
	MB 240-65171/8	149176.D	11/15/2012	13:25
079SS-0004M-0001-SO	240-17477-6	149192.D	11/15/2012	19:10
079SS-0004M-0001-SO MS	240-17477-6 MS	149193.D	11/15/2012	19:31
079SS-0004M-0001-SO MSD	240-17477-6 MSD	149194.D	11/15/2012	19:53
	MRL 240-65171/29	149197.D	11/15/2012	21:17

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: BFB14282.D BFB Injection Date: 11/16/2012

Instrument ID: A3UX14 BFB Injection Time: 12:11

Analysis Batch No.: 65336

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.9	
75	30.0 - 60.0 % of mass 95	47.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.2	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	83.0	
175	5.0 - 9.0 % of mass 174	6.4	(7.7)1
176	95.0 - 101.0 % of mass 174	81.5	(98.2)1
177	5.0 - 9.0 % of mass 176	5.4	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-65336/3	149204.D	11/16/2012	12:53
	CCV 240-65336/4	149205.D	11/16/2012	13:15
	MRL 240-65336/5	149206.D	11/16/2012	13:37
	LCS 240-65336/7	149208.D	11/16/2012	14:20
	MB 240-65336/8	149209.D	11/16/2012	14:41
079SS-0005M-0001-SO	240-17477-7	149224.D	11/16/2012	20:05
	MRL 240-65336/24	149225.D	11/16/2012	20:26

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: STD8260 240-64678/4 Date Analyzed: 11/12/2012 15:55

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXX0848.D Heated Purge: (Y/N) N

Calibration ID: 12291

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1810823	5.21	1245256	7.88	654209	10.13
UPPER LIMIT		3621646	5.71	2490512	8.38	1308418	10.63
LOWER LIMIT		905412	4.71	622628	7.38	327105	9.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-64678/14		1733806	5.20	1200825	7.88	656657	10.13
CCV 240-64831/2		1839118	5.21	1242750	7.88	643308	10.13
CCV 240-64831/3		1787210	5.20	1174475	7.88	595661	10.13
LCS 240-64831/4		1769688	5.21	1198428	7.88	646160	10.13
MRL 240-64831/5		1759380	5.20	1181717	7.88	617475	10.13
MB 240-64831/6		1739044	5.21	1174487	7.88	575968	10.13
240-17477-8	079SS-0006-0001-TB	1631458	5.21	1083815	7.88	530753	10.13
MRL 240-64831/12		1651119	5.21	1086824	7.88	561675	10.13

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: ICIS 240-64859/6 Date Analyzed: 11/13/2012 17:58

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 149108.D Heated Purge: (Y/N) Y

Calibration ID: 12306

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1409266	6.89	863084	9.59	502466	11.57
UPPER LIMIT		2818532	7.39	1726168	10.09	1004932	12.07
LOWER LIMIT		704633	6.39	431542	9.09	251233	11.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-64859/21		1402420	6.89	854220	9.59	486670	11.57
CCV 240-65171/3		1544375	6.89	914414	9.60	487749	11.57
CCV 240-65171/4		1510710	6.89	849252	9.59	467693	11.57
MRL 240-65171/5		1409743	6.89	806452	9.59	463255	11.57
LCS 240-65171/7		1527929	6.89	912135	9.59	499171	11.57
MB 240-65171/8		1456000	6.89	834335	9.60	466314	11.57
240-17477-6	079SS-0004M-0001-SO	1246564	6.89	606165	9.59	227758Q	11.57
240-17477-6 MS	079SS-0004M-0001-SO MS	1232751	6.89	617575	9.60	232874Q	11.57
240-17477-6 MSD	079SS-0004M-0001-SO MSD	13714Q	6.89	6776Q	9.59	2699Q	11.57
MRL 240-65171/29		1532149	6.89	930246	9.59	522429	11.57
CCV 240-65336/3		1660068	6.89	951767	9.59	528570	11.57
CCV 240-65336/4		1681404	6.89	922824	9.59	515083	11.57
MRL 240-65336/5		1608134	6.89	888363	9.59	509947	11.57
LCS 240-65336/7		1664881	6.89	970180	9.59	514967	11.57
MB 240-65336/8		1696098	6.89	942279	9.59	511340	11.57
240-17477-7	079SS-0005M-0001-SO	1451352	6.89	655992	9.59	210724Q	11.57
MRL 240-65336/24		1661198	6.89	964346	9.59	545216	11.57

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO | Lab Sample ID: 240-17477-6

Matrix: Solid | Lab File ID: 149192.D

Analysis Method: 8260B/DoD | Date Collected: 11/09/2012 11:10

Sample wt/vol: 4.065(g) | Date Analyzed: 11/15/2012 19:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 27.5 | Level: (low/med) Low

Analysis Batch No.: 65171 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.7	U J	8.5	1.7	0.95
79-34-5	1,1,2,2-Tetrachloroethane	0.85	U J	8.5	0.85	0.58
79-00-5	1,1,2-Trichloroethane	0.85	U J	8.5	0.85	0.66
75-34-3	1,1-Dichloroethane	0.85	U J	8.5	0.85	0.61
75-35-4	1,1-Dichloroethene	1.7	U J	8.5	1.7	0.88
106-93-4	1,2-Dibromoethane	1.7	U J	8.5	1.7	0.85
107-06-2	1,2-Dichloroethane	0.85	U J	8.5	0.85	0.58
540-59-0	1,2-Dichloroethene, Total	1.7	U J	17	1.7	1.3
78-87-5	1,2-Dichloropropane	1.7	U J	8.5	1.7	1.2
78-93-3	2-Butanone (MEK)	3.4	U J	34	3.4	2.4
591-78-6	2-Hexanone	1.7	U J	34	1.7	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.7	U J	34	1.7	0.92
67-64-1	Acetone	11	U J	34	11	11
71-43-2	Benzene	0.85	U J	8.5	0.85	0.39
74-97-5	Bromochloromethane	1.7	U J	8.5	1.7	1.2
75-27-4	Bromodichloromethane	0.85	U J	8.5	0.85	0.47
75-25-2	Bromoform	0.85	U J	8.5	0.85	0.56
74-83-9	Bromomethane	1.7	U J	8.5	1.7	0.92
75-15-0	Carbon disulfide	1.5	J	8.5	0.85	0.75
56-23-5	Carbon tetrachloride	0.85	U J	8.5	0.85	0.63
108-90-7	Chlorobenzene	0.85	U J	8.5	0.85	0.56
75-00-3	Chloroethane	1.7	U J	8.5	1.7	1.5
67-66-3	Chloroform	0.85	U J	8.5	0.85	0.49
74-87-3	Chloromethane	0.85	U J	8.5	0.85	0.70
10061-01-5	cis-1,3-Dichloropropene	0.85	U J	8.5	0.85	0.58
124-48-1	Dibromochloromethane	1.7	U J	8.5	1.7	0.93
100-41-4	Ethylbenzene	0.85	U J	8.5	0.85	0.44
1634-04-4	Methyl tert-butyl ether	0.85	U J	8.5	0.85	0.73
75-09-2	Methylene Chloride	1.7	U J	8.5	1.7	1.1
100-42-5	Styrene	0.85	U J	8.5	0.85	0.25
127-18-4	Tetrachloroethene	1.7	U J	8.5	1.7	0.88
108-88-3	Toluene	0.85	U J	8.5	0.85	0.46
10061-02-6	trans-1,3-Dichloropropene	1.7	U J	8.5	1.7	0.92
79-01-6	Trichloroethene	0.85	U J	8.5	0.85	0.71
75-01-4	Vinyl chloride	0.85	U J	8.5	0.85	0.66
1330-20-7	Xylenes, Total	2.5	U J	17	2.5	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO Lab Sample ID: 240-17477-6

Matrix: Solid Lab File ID: 149192.D

Analysis Method: 8260B/DoD Date Collected: 11/09/2012 11:10

Sample wt/vol: 4.065(g) Date Analyzed: 11/15/2012 19:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 27.5 Level: (low/med) Low

Analysis Batch No.: 65171 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		61-130
460-00-4	4-Bromofluorobenzene (Surr)	121	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	84		59-138
2037-26-5	Toluene-d8 (Surr)	107		85-115

Report Date: 16-Nov-2012 09:58:18 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149192.D
Lims ID: 240-17477-E-6-A Client ID: 079SS-0004M-0001-SO
Inject. Date: 15-Nov-2012 19:10:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17477-e-6-a
Misc. Info.: 240-0014986-024 =240-0014986-024
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 23
Lims Batch ID: 65171 Lims Sample ID: 24
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121115-14986.b\8260_14.m
Last Update: 16-Nov-2012 09:58:08 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: macenczaks Date: 16-Nov-2012 09:18:09

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1246564	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	91	606165	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	227758	50.0	s
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	64	275963	41.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.541	0.0	93	337829	47.4	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	969925	53.6	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	90	229224	60.5	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85		1.442					9
13 Chloromethane	50		1.607					9
14 Vinyl chloride	62		1.737					
15 Bromomethane	94		2.069					
16 Chloroethane	64		2.187					
17 Dichlorofluoromethane	67		2.447					
18 Trichlorofluoromethane	101		2.507					9
19 Ethyl ether	59	2.885	2.873	0.012	53	1030	0.1676	
25 Methylal	45		2.932					9
20 Acrolein	56		3.027					
21 1,1-Dichloroethene	96		3.146					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.181					
22 Acetone	43	3.264	3.252	0.012	92	14997	1.98	
24 Iodomethane	142		3.347					
26 Carbon disulfide	76	3.418	3.418	0.0	79	2068	0.9076	
27 Acetonitrile	41		3.666					
29 3-Chloro-1-propene	76		3.690					
28 Methyl acetate	43	3.761	3.761	0.0	100	207416	40.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methylene Chloride	84		3.879					
31 2-Methyl-2-propanol	59		4.187					
32 Acrylonitrile	53		4.305					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
35 Hexane	86	4.743	4.743	0.0	91	1575	0.8314	
36 1,1-Dichloroethane	63		4.921					9
39 2-Chloro-1,3-butadiene	53		5.039					
37 Vinyl acetate	86		5.039					
38 Isopropyl ether	87		5.074					
40 Tert-butyl ethyl ether	59		5.524					
61 Ethyl acrylate	55		5.605					
43 2,2-Dichloropropane	77		5.642					9
42 cis-1,2-Dichloroethene	96		5.654					9
41 2-Butanone (MEK)	43		5.701					9
44 Propionitrile	54		5.760					
45 Ethyl acetate	43		5.796					
46 Methacrylonitrile	41		5.926					9
47 Chlorobromomethane	128		5.926					
48 Tetrahydrofuran	42	5.997	5.985	0.012	84	1826	0.6801	
49 Chloroform	83		6.033					9
50 1,1,1-Trichloroethane	97		6.210					
51 Cyclohexane	56		6.258					9
53 Carbon tetrachloride	117		6.388					
52 1,1-Dichloropropene	75		6.388					9
54 Isobutyl alcohol	41		6.589					
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62		6.624					
57 Tert-amyl methyl ether	73		6.743					
58 n-Heptane	100		6.896					
59 n-Butanol	56		7.228					9
60 Trichloroethene	130		7.240					9
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83		7.417					
62 1,2-Dichloropropane	63		7.453					
65 Dibromomethane	93		7.559					
64 Methyl methacrylate	41		7.571					9
66 1,4-Dioxane	88		7.583					
67 Dichlorobromomethane	83		7.713					
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63		7.997					
70 cis-1,3-Dichloropropene	75		8.115					
71 4-Methyl-2-pentanone (MIBK)	43		8.257					9
72 Toluene	91	8.411	8.411	0.0	70	4559	0.2140	
73 trans-1,3-Dichloropropene	75		8.601					9
74 Ethyl methacrylate	69		8.683					
75 1,1,2-Trichloroethane	97		8.766					
77 Tetrachloroethene	164		8.885					9
76 1,3-Dichloropropane	76		8.908					
78 2-Hexanone	43		8.979					
132 n-Butyl acetate	43		9.085					14
79 Chlorodibromomethane	129		9.109					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
123 Ethylene Dibromide	107		9.204					19
81 1-Chlorohexane	91		9.594					9
82 Chlorobenzene	112		9.618					9
83 1,1,1,2-Tetrachloroethane	131		9.689					
84 Ethylbenzene	106	9.713	9.713	0.0	21	471	0.0625	7
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	68	2048	0.2215	
85 o-Xylene	106		10.151					
86 Styrene	104		10.162					9
87 Bromoform	173		10.328					
88 Isopropylbenzene	105		10.458					9
89 Cyclohexanone	55	10.541	10.541	0.0	4	1297	1.49	
90 1,1,2,2-Tetrachloroethane	83		10.707					
91 Bromobenzene	156		10.719					9
92 1,2,3-Trichloropropane	110		10.742					9
93 trans-1,4-Dichloro-2-butene	53		10.754					9
94 N-Propylbenzene	120		10.801					9
95 2-Chlorotoluene	126		10.884					9
96 1,3,5-Trimethylbenzene	105		10.943					9
104 4-Chlorotoluene	126		10.967					9
97 tert-Butylbenzene	119		11.227					9
98 1,2,4-Trimethylbenzene	105		11.263					9
99 sec-Butylbenzene	105		11.417					9
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	38	1378	0.1719	
101 4-Isopropyltoluene	119	11.523	11.535	-0.012	64	15080	0.9370	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	21	3076	0.3702	
103 1,2,3-Trimethylbenzene	105		11.630					
105 n-Butylbenzene	91		11.878					9
106 1,2-Dichlorobenzene	146		11.902					9
107 1,2-Dibromo-3-Chloropropane	157		12.553					
108 1,3,5-Trichlorobenzene	180		12.730					9
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	30	1563	0.2858	
110 Hexachlorobutadiene	225		13.369					
111 Naphthalene	128	13.440	13.440	0.0	55	3874	0.4128	
112 1,2,3-Trichlorobenzene	180	13.618	13.630	-0.012	36	1029	0.2262	
113 2-Methylnaphthalene	142		14.304					9
A 140 C6-C10	1	7.589	3.915 - 11.263		0	1065156	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	1238276	0	
S 137 Trihalomethanes, Total	1		0.000					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106				0		0.2215	

QC Flag Legend

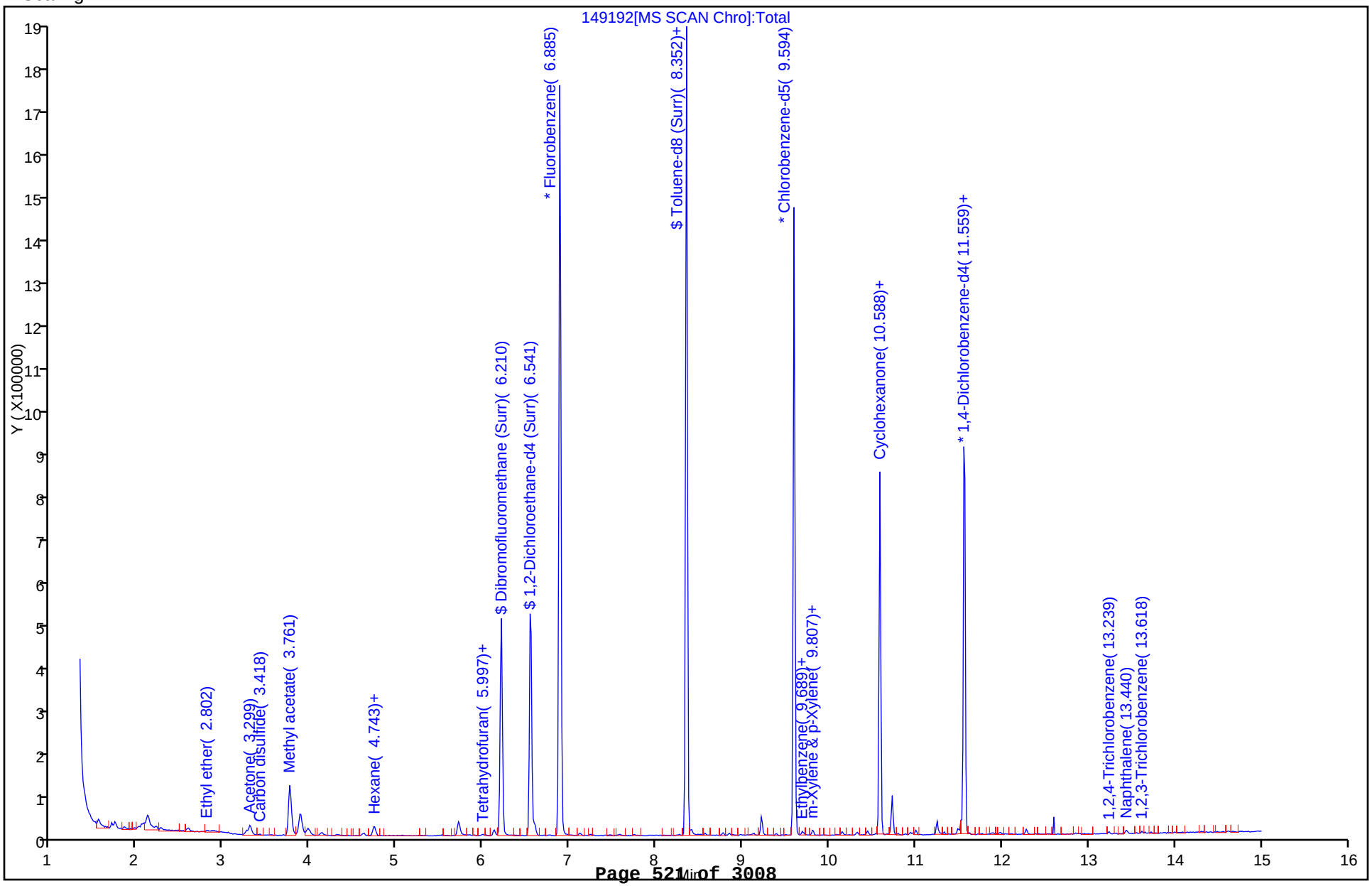
Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

Report Date: 16-Nov-2012 09:58:18 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121115-14986.b\149192.D		
Injection Date:	15-Nov-2012 19:10:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	24
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



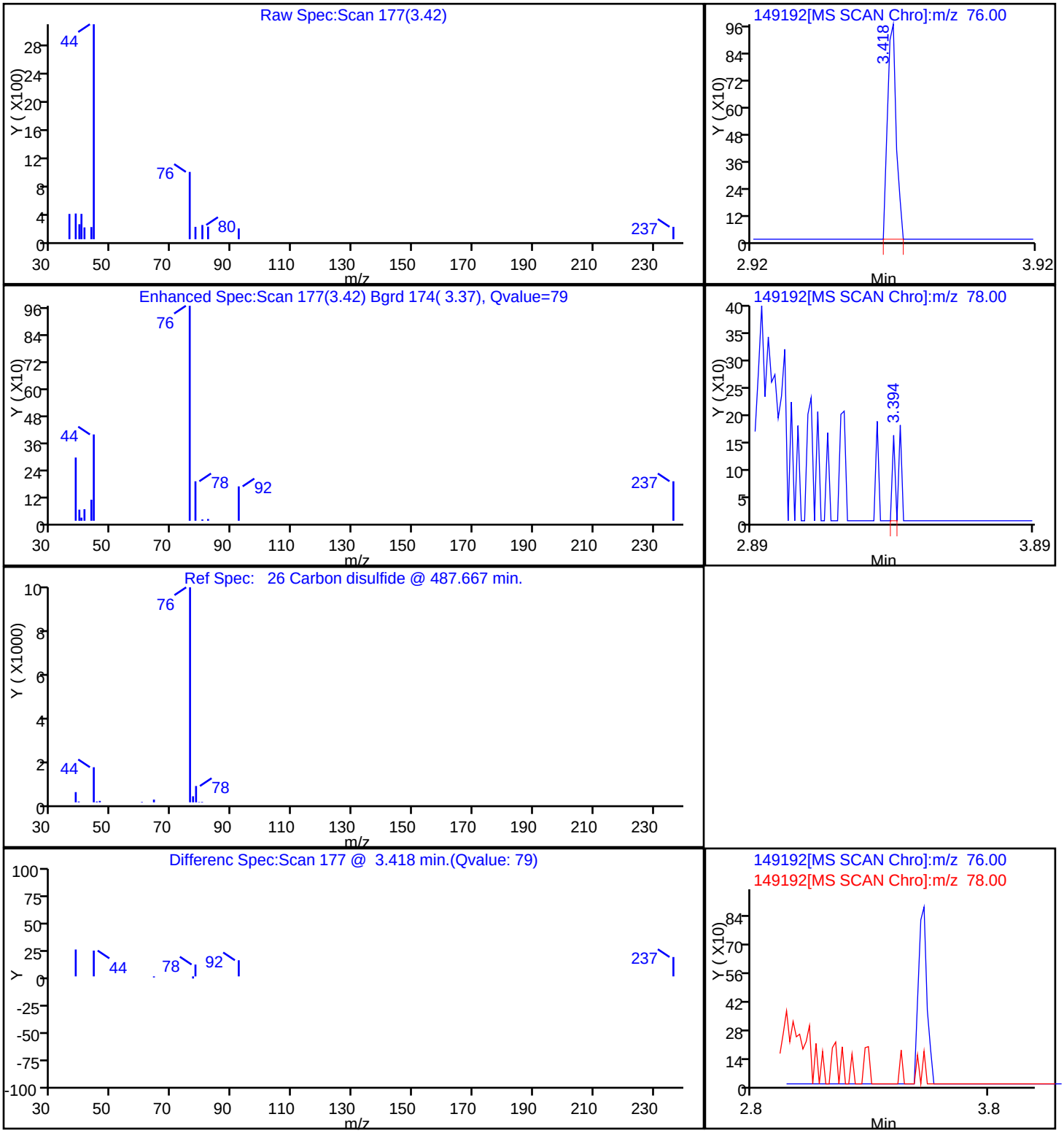
Report Date: 16-Nov-2012 09:58:18 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149192.D

Injection Date:	15-Nov-2012 19:10:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	24
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

26 Carbon disulfide



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO | Lab Sample ID: 240-17477-7

Matrix: Solid | Lab File ID: 149224.D

Analysis Method: 8260B/DoD | Date Collected: 11/09/2012 11:10

Sample wt/vol: 5.042(g) | Date Analyzed: 11/16/2012 20:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 27.1 | Level: (low/med) Low

Analysis Batch No.: 65336 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.4	U	6.8	1.4	0.76
79-34-5	1,1,2,2-Tetrachloroethane	0.68	U	6.8	0.68	0.46
79-00-5	1,1,2-Trichloroethane	0.68	U	6.8	0.68	0.53
75-34-3	1,1-Dichloroethane	0.68	U	6.8	0.68	0.49
75-35-4	1,1-Dichloroethene	1.4	U	6.8	1.4	0.71
106-93-4	1,2-Dibromoethane	1.4	U	6.8	1.4	0.68
107-06-2	1,2-Dichloroethane	0.68	U	6.8	0.68	0.46
540-59-0	1,2-Dichloroethene, Total	1.4	U	14	1.4	1.0
78-87-5	1,2-Dichloropropane	1.4	U	6.8	1.4	0.94
78-93-3	2-Butanone (MEK)	2.7	U	27	2.7	1.9
591-78-6	2-Hexanone	1.9	J	27	1.4	0.86
108-10-1	4-Methyl-2-pentanone (MIBK)	1.4	U	27	1.4	0.73
67-64-1	Acetone	12	J B	27	8.6	8.6
71-43-2	Benzene	0.68	U	6.8	0.68	0.31
74-97-5	Bromochloromethane	1.4	U	6.8	1.4	0.97
75-27-4	Bromodichloromethane	0.68	U	6.8	0.68	0.38
75-25-2	Bromoform	0.68	U	6.8	0.68	0.45
74-83-9	Bromomethane	1.4	U	6.8	1.4	0.73
75-15-0	Carbon disulfide	1.3	J	6.8	0.68	0.60
56-23-5	Carbon tetrachloride	0.68	U	6.8	0.68	0.50
108-90-7	Chlorobenzene	0.68	U	6.8	0.68	0.45
75-00-3	Chloroethane	1.4	U	6.8	1.4	1.2
67-66-3	Chloroform	0.68	U	6.8	0.68	0.39
74-87-3	Chloromethane	0.68	U	6.8	0.68	0.56
10061-01-5	cis-1,3-Dichloropropene	0.68	U	6.8	0.68	0.46
124-48-1	Dibromochloromethane	1.4	U	6.8	1.4	0.75
100-41-4	Ethylbenzene	0.68	U	6.8	0.68	0.35
1634-04-4	Methyl tert-butyl ether	0.68	U	6.8	0.68	0.59
75-09-2	Methylene Chloride	1.4	U	6.8	1.4	0.91
100-42-5	Styrene	0.32	J	6.8	0.68	0.20
127-18-4	Tetrachloroethene	1.4	U	6.8	1.4	0.71
108-88-3	Toluene	0.37	J	6.8	0.68	0.37
10061-02-6	trans-1,3-Dichloropropene	1.4	U	6.8	1.4	0.73
79-01-6	Trichloroethene	0.68	U	6.8	0.68	0.57
75-01-4	Vinyl chloride	0.68	U	6.8	0.68	0.53
1330-20-7	Xylenes, Total	2.0	U	14	2.0	0.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO Lab Sample ID: 240-17477-7

Matrix: Solid Lab File ID: 149224.D

Analysis Method: 8260B/DoD Date Collected: 11/09/2012 11:10

Sample wt/vol: 5.042(g) Date Analyzed: 11/16/2012 20:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 27.1 Level: (low/med) Low

Analysis Batch No.: 65336 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		61-130
460-00-4	4-Bromofluorobenzene (Surr)	126	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	81		59-138
2037-26-5	Toluene-d8 (Surr)	112		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149224.D
Lims ID: 240-17477-C-7-A
Client ID: 079SS-0005M-0001-SO
Inject. Date: 16-Nov-2012 20:05:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17477-c-7-a
Misc. Info.: 240-0015021-023 =240-0015021-023
Operator: 002808
Instrument ID: A3UX14
Purge Vol: 5.000 mL
ALS Bottle#: 22
Lims Batch ID: 65336
Lims Sample ID: 23
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121116-15021.b\8260_14.m
Last Update: 20-Nov-2012 14:44:36
Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: macenczaks
Date: 20-Nov-2012 12:29:48

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1451352	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	91	655992	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	97	210724	50.0	s
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	66	310045	40.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.553	-0.012	93	381382	45.9	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1097751	56.1	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	221678	63.2	
13 Chloromethane	50		1.607					9
14 Vinyl chloride	62		1.737					9
15 Bromomethane	94		2.069					
16 Chloroethane	64		2.187					
21 1,1-Dichloroethene	96		3.157					9
22 Acetone	43	3.264	3.252	0.012	97	31663	8.93	
26 Carbon disulfide	76	3.406	3.418	-0.012	93	4322	0.9846	
30 Methylene Chloride	84		3.891					
33 trans-1,2-Dichloroethene	96		4.317					9
34 Methyl tert-butyl ether	73		4.352					
36 1,1-Dichloroethane	63		4.920					9
42 cis-1,2-Dichloroethene	96		5.654					9
41 2-Butanone (MEK)	43	5.713	5.701	0.012	35	4975	0.2326	
47 Chlorobromomethane	128		5.926					9
49 Chloroform	83		6.033					9
50 1,1,1-Trichloroethane	97		6.210					
53 Carbon tetrachloride	117		6.388					9
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62	6.624	6.624	0.0	24	1204	0.1039	
60 Trichloroethene	130		7.240					
62 1,2-Dichloropropane	63		7.453					9
67 Dichlorobromomethane	83		7.713					9
70 cis-1,3-Dichloropropene	75		8.115					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	61	2121	0.5242	
72 Toluene	91	8.411	8.411	0.0	67	6205	0.2691	
73 trans-1,3-Dichloropropene	75		8.600					9
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.884					
78 2-Hexanone	43	8.979	8.979	0.0	52	2909	1.38	
79 Chlorodibromomethane	129		9.109					
123 Ethylene Dibromide	107	9.204	9.204	0.0	1	702	0.2301	
82 Chlorobenzene	112		9.618					9
84 Ethylbenzene	106	9.713	9.713	0.0	46	884	0.1083	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	90	2363	0.2362	
85 o-Xylene	106	10.150	10.150	0.0	51	1103	0.1033	
86 Styrene	104	10.162	10.162	0.0	74	3184	0.2330	
87 Bromoform	173		10.316					
90 1,1,2,2-Tetrachloroethane	83		10.707					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106				0		0.3395	

QC Flag Legend

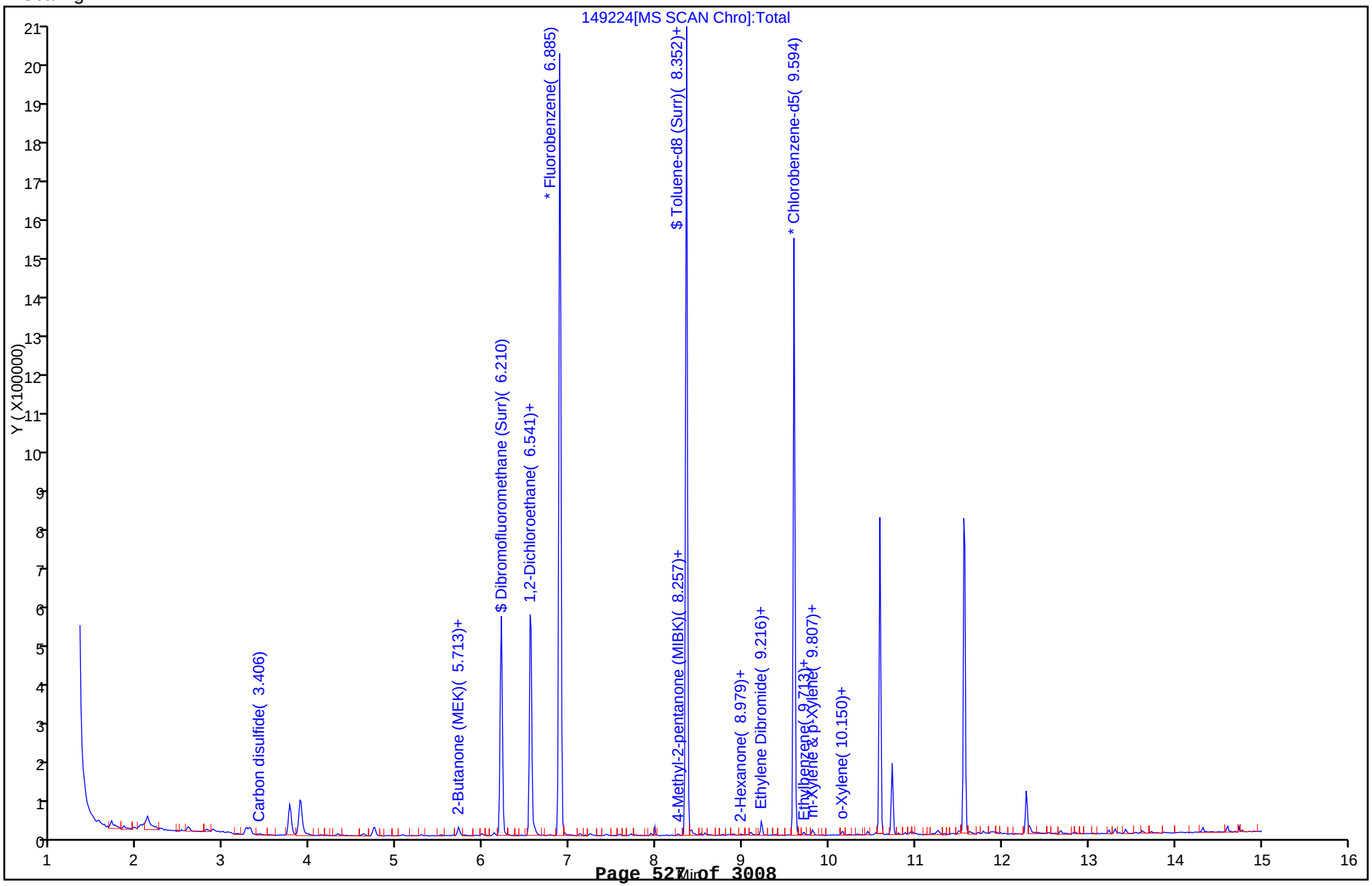
Processing Flags
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

Report Date: 20-Nov-2012 14:44:58 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121116-15021.b\149224.D		
Injection Date:	16-Nov-2012 20:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



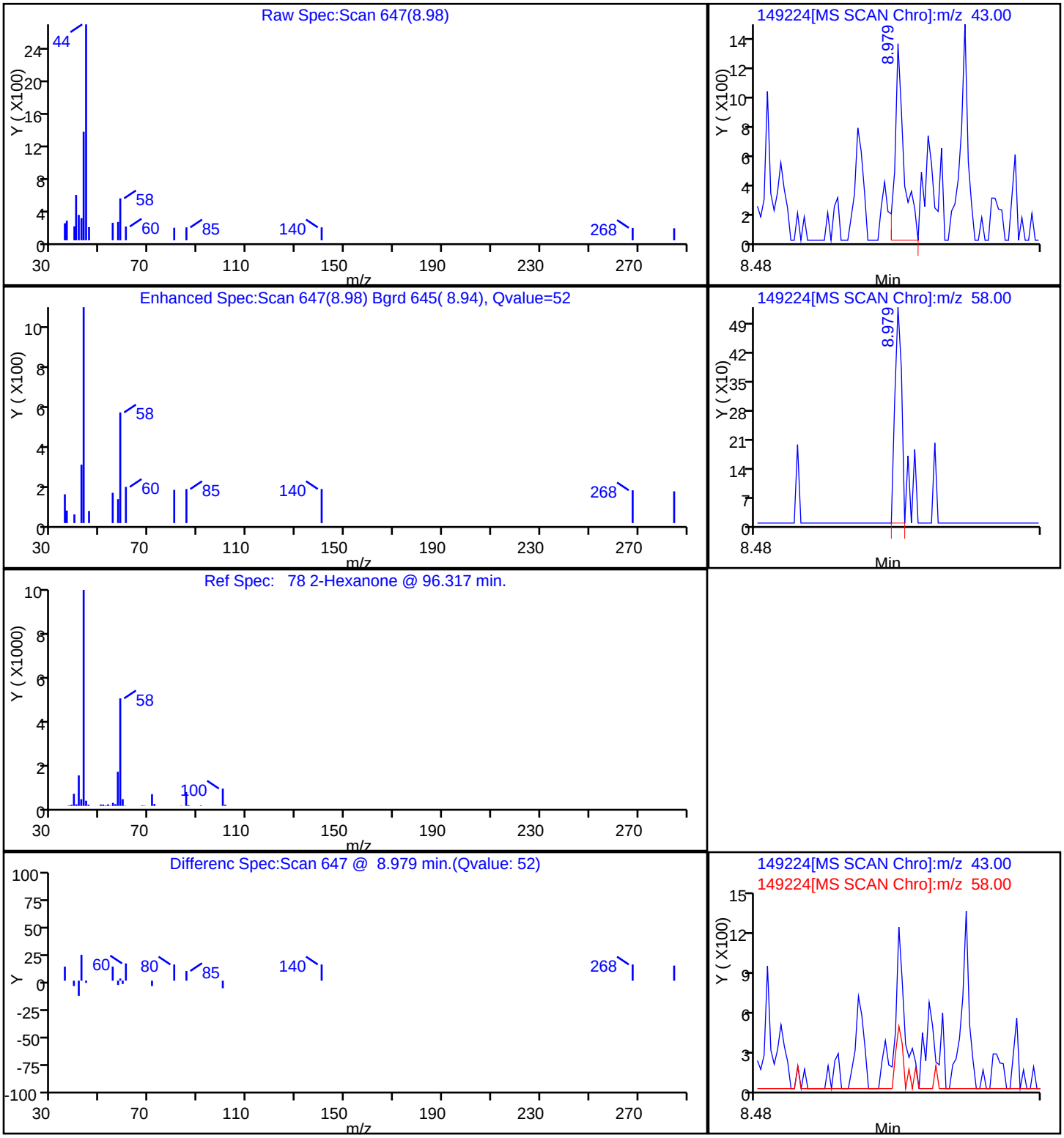
Report Date: 20-Nov-2012 14:44:59 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149224.D

Injection Date:	16-Nov-2012 20:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

78 2-Hexanone



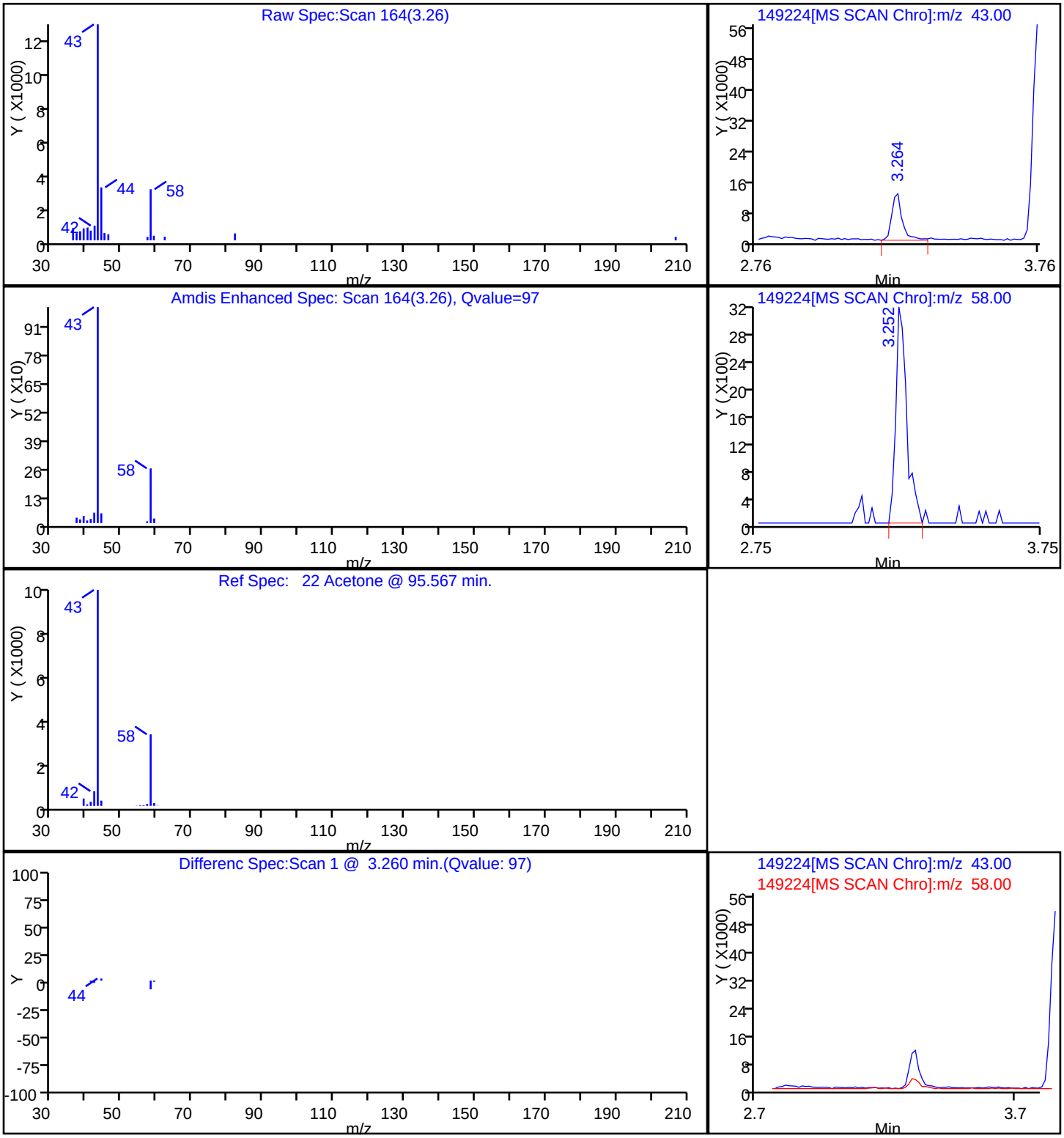
Report Date: 20-Nov-2012 14:44:58 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149224.D

Injection Date:	16-Nov-2012 20:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone

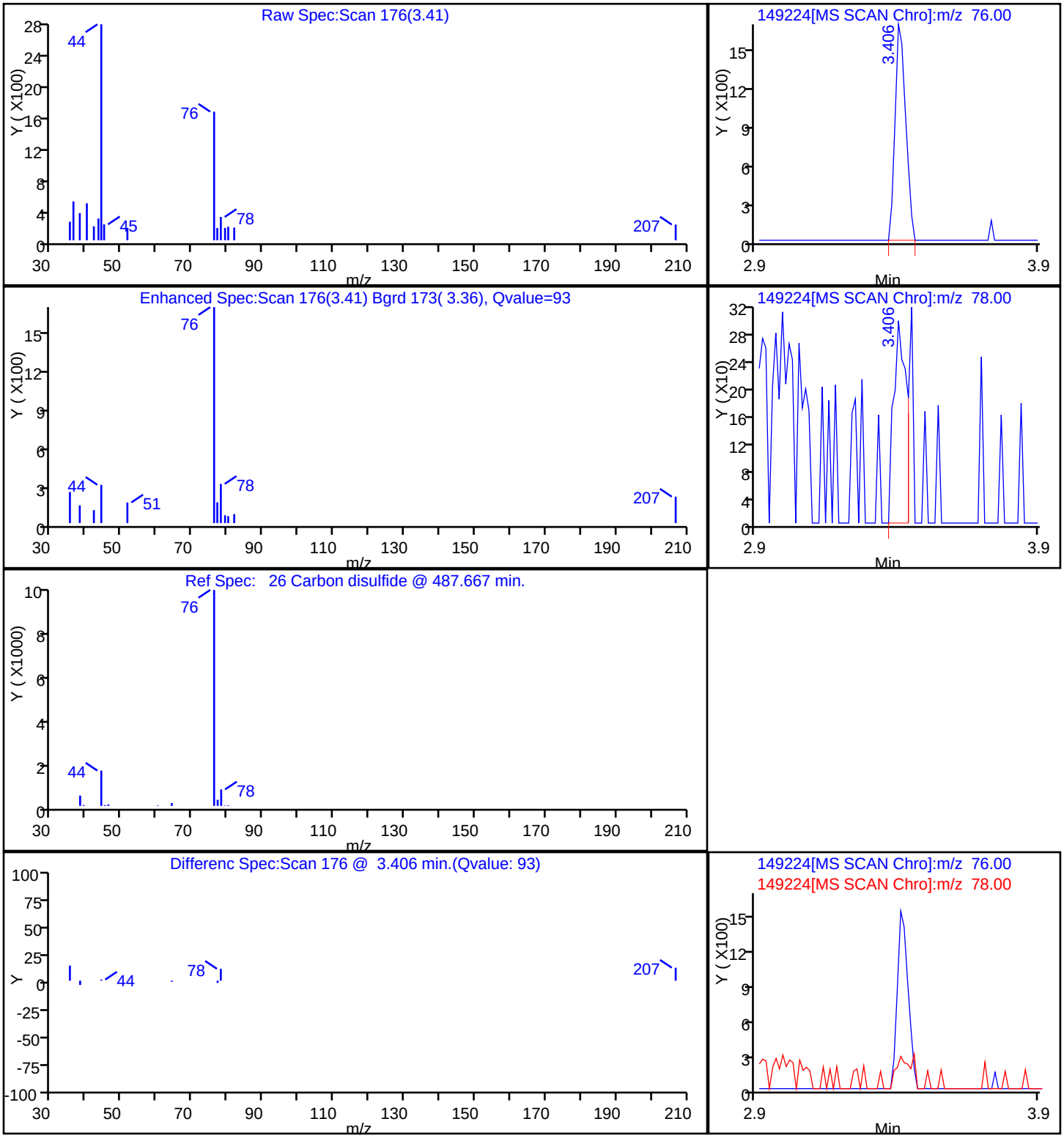


Report Date: 20-Nov-2012 14:44:58 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121116-15021.b\149224.D		
Injection Date:	16-Nov-2012 20:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

26 Carbon disulfide



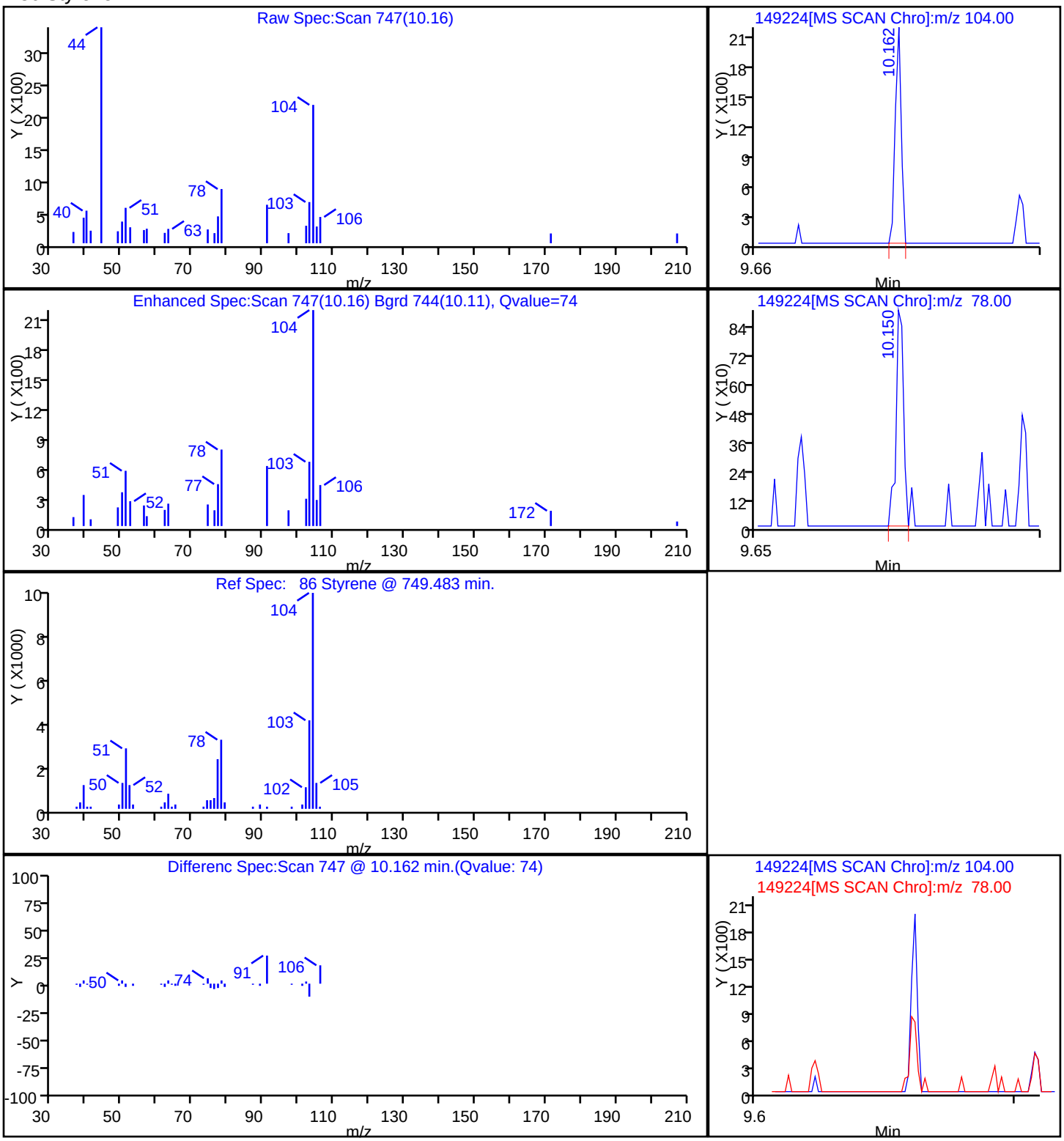
Report Date: 20-Nov-2012 14:44:59 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149224.D

Injection Date:	16-Nov-2012 20:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

86 Styrene



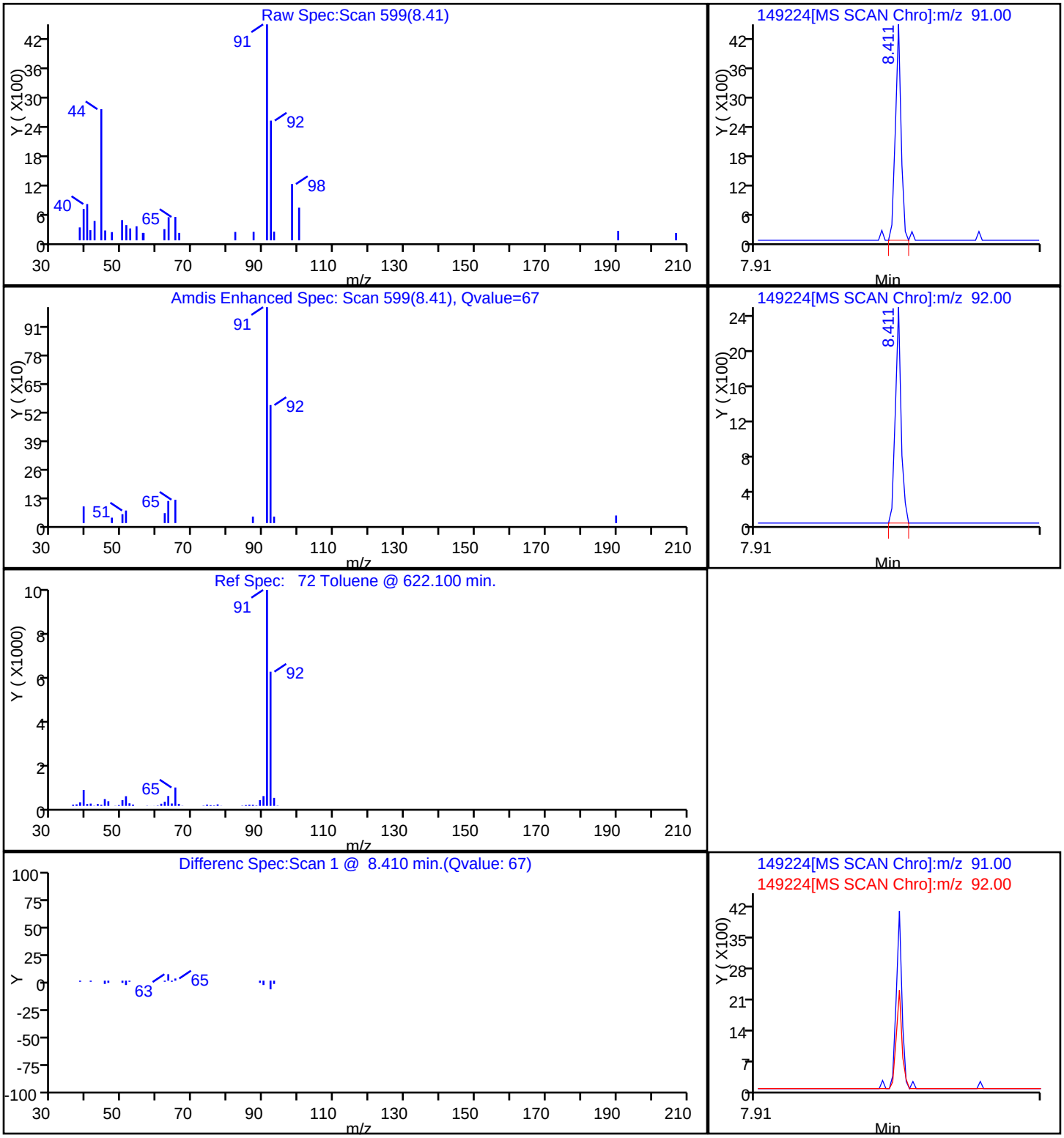
Report Date: 20-Nov-2012 14:44:59 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149224.D

Injection Date:	16-Nov-2012 20:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0006-0001-TB | Lab Sample ID: 240-17477-8

Matrix: Water | Lab File ID: UXX0871.D

Analysis Method: 8260B/DoD | Date Collected: 11/09/2012 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/13/2012 15:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 64831 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	0.50	U	1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28
67-66-3	Chloroform	0.61	J	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0006-0001-TB Lab Sample ID: 240-17477-8

Matrix: Water Lab File ID: UXX0871.D

Analysis Method: 8260B/DoD Date Collected: 11/09/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 11/13/2012 15:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 64831 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-120
460-00-4	4-Bromofluorobenzene (Surr)	89		75-120
1868-53-7	Dibromofluoromethane (Surr)	99		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0871.D
Lims ID: 240-17477-B-8 Client ID: 079SS-0006-0001-TB
Inject. Date: 13-Nov-2012 15:05:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0014902-011
Misc. Info.: P21113A,8260LLUX10,,1904 =P21113A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 10
Lims Batch ID: 64831 Lims Sample ID: 11
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121113-14902.b\8260_10.m
Last Update: 14-Nov-2012 13:08:23 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK020

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.206	5.204	0.002	99	1631458	10.0	
* 2 Chlorobenzene-d5	117	7.880	7.878	0.002	84	1083815	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.126	0.003	93	530753	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.627	-0.001	58	444108	9.94	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.922	4.911	0.011	0	542552	10.3	
$ 7 Toluene-d8 (Surr)	98	6.567	6.567	0.0	92	1682520	9.86	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	92	499370	8.85	
13 Chloromethane	50	1.680	1.692	-0.012	61	16809	0.2681	
14 Vinyl chloride	62		1.799					
16 Bromomethane	94		2.083					9
17 Chloroethane	64		2.165					
23 1,1-Dichloroethene	96		2.804					
24 Acetone	43		2.816					
27 Carbon disulfide	76		3.006					9
31 Methylene Chloride	84	3.195	3.195	0.0	67	8734	0.1551	
34 trans-1,2-Dichloroethene	96		3.431					
35 Methyl tert-butyl ether	73		3.431					
37 1,1-Dichloroethane	63		3.763					
42 2-Butanone (MEK)	43		4.236					
43 cis-1,2-Dichloroethene	96		4.248					
48 Chlorobromomethane	128		4.437					
50 Chloroform	83	4.496	4.496	0.0	86	50884	0.6062	
51 1,1,1-Trichloroethane	97		4.674					
54 Carbon tetrachloride	117		4.816					
57 Benzene	78		4.982					9
56 1,2-Dichloroethane	62		4.982					
61 Trichloroethene	130		5.514					
64 1,2-Dichloropropane	63		5.703					
68 Dichlorobromomethane	83		5.928					
71 cis-1,3-Dichloropropene	75		6.319					
72 4-Methyl-2-pentanone (MIBK)	43		6.437					
73 Toluene	91		6.626					9

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
74	trans-1,3-Dichloropropene	75		6.792					9
76	1,1,2-Trichloroethane	97		6.969					
78	Tetrachloroethene	164		7.135					
79	2-Hexanone	43		7.182					
81	Chlorodibromomethane	129		7.336					
83	Ethylene Dibromide	107		7.455					
85	Chlorobenzene	112		7.904					
87	Ethylbenzene	106		8.011					
88	m-Xylene & p-Xylene	106		8.117					
89	o-Xylene	106		8.496					
90	Styrene	104		8.508					
91	Bromoform	173		8.685					
95	1,1,2,2-Tetrachloroethane	83		9.111					
S 120	1,2-Dichloroethene, Total	96		1.140					7
S 122	Xylenes, Total	106		16.530					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

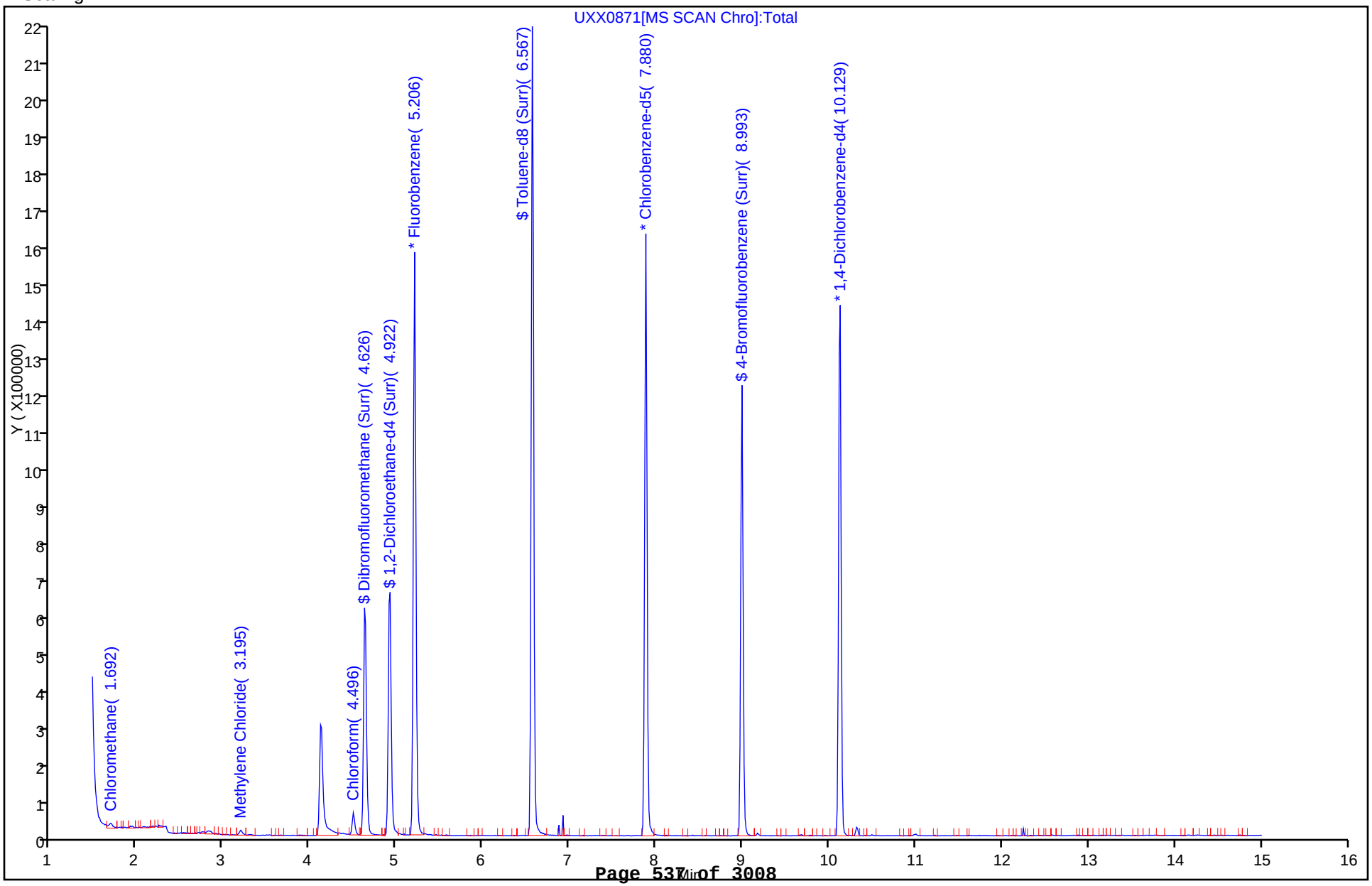
Report Date: 15-Nov-2012 13:51:02 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0871.D

Injection Date:	13-Nov-2012 15:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0006-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	64831	Lims Sample ID:	11
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



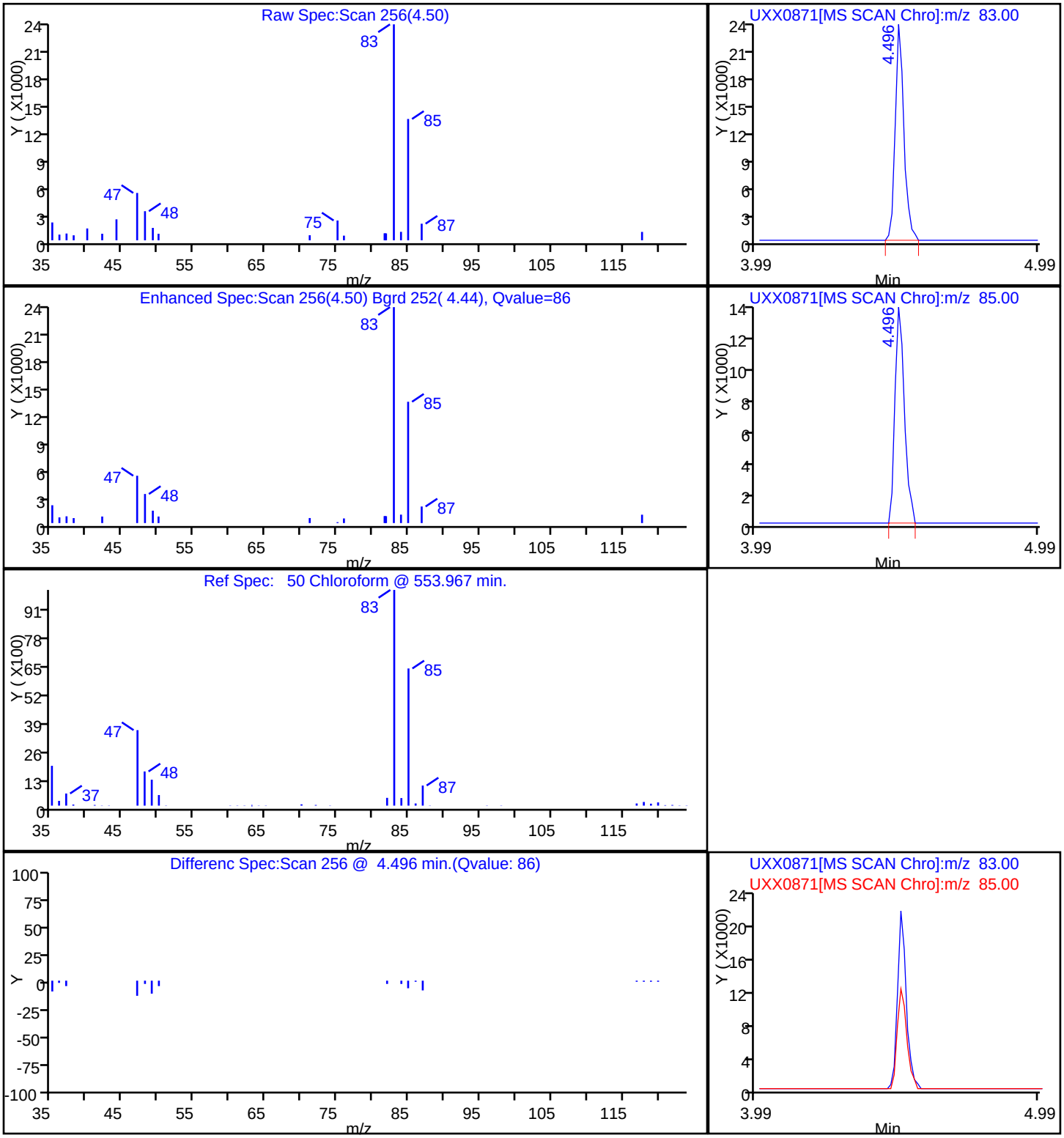
Report Date: 15-Nov-2012 13:51:02 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0871.D

Injection Date:	13-Nov-2012 15:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0006-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	64831	Lims Sample ID:	11
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

50 Chloroform



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-64678/7	UXX0851.D
Level 2	STD8260 240-64678/6	UXX0850.D
Level 3	STD8260 240-64678/5	UXX0849.D
Level 4	STD8260 240-64678/4	UXX0848.D
Level 5	STD8260 240-64678/3	UXX0847.D
Level 6	STD8260 240-64678/2	UXX0846.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1989 0.2041	0.2025	0.1993	0.2061	0.1849	Ave		0.1993			0.1000	3.8		15.0			
Chloromethane	0.4442 0.3339	0.4489	0.3848	0.3484	0.3457	Ave		0.3843			0.1000	13.0		15.0			
Vinyl chloride	0.3144 0.2884	0.3231	0.3099	0.3010	0.2881	Ave		0.3042			0.1000	4.7		15.0			
Bromomethane	0.1621 0.1324	0.1622	0.1367	0.1309	0.1294	Ave		0.1423			0.0500	11.0		15.0			
Chloroethane	0.1612 0.1409	0.1694	0.1398	0.1352	0.1359	Ave		0.1471				9.9		15.0			
Trichlorofluoromethane	0.2188 0.2421	0.2204	0.2101	0.2221	0.2114	Ave		0.2208			0.1000	5.2		15.0			
Acrolein	0.0374 0.0346	0.0355	0.0342	0.0356	0.0352	Ave		0.0354				3.2		15.0			
1,1-Dichloroethene	0.2563 0.2519	0.2432	0.2412	0.2414	0.2340	Ave		0.2447			0.1000	3.3		15.0			
Acetone	0.1289 0.0702	0.0998	0.0933	0.0815	0.0776	Lin1	0.1304	0.0715			0.0500				0.9960		0.9950
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1806 0.1919	0.1893	0.1835	0.1920	0.1745	Ave		0.1853			0.0500	3.8		15.0			
Iodomethane	0.4406 0.3945	0.4633	0.4182	0.3914	0.3897	Ave		0.4163				7.3		15.0			
Carbon disulfide	0.7843 0.8231	0.7867	0.7688	0.7446	0.7488	Ave		0.7761			0.1000	3.7		15.0			
Acetonitrile	0.0376 0.0238	0.0345	0.0320	0.0298	0.0275	Qua	0.0892	0.0306	0						1.0000		0.9900
Methyl acetate	0.2579 0.2103	0.2481	0.2370	0.2264	0.2231	Ave		0.2338			0.1000	7.5		15.0			
Methylene Chloride	0.4165 0.3189	0.3801	0.3325	0.3090	0.3137	Ave		0.3451			0.1000	13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-2-propanol	0.0231 0.0151	0.0220	0.0209	0.0203	0.0198	Ave		0.0202				14.0		15.0			
Acrylonitrile	0.1223 0.1112	0.1158	0.1213	0.1164	0.1163	Ave		0.1172				3.5		15.0			
Methyl tert-butyl ether	0.8827 0.8678	0.8781	0.8738	0.8392	0.8830	Ave		0.8708			0.1000	1.9		15.0			
trans-1,2-Dichloroethene	0.3020 0.3064	0.3058	0.3007	0.2902	0.2935	Ave		0.2998			0.1000	2.2		15.0			
Hexane	0.0438 0.0532	0.0514	0.0432	0.0507	0.0446	Ave		0.0478				9.3		15.0			
1,1-Dichloroethane	0.5407 0.5150	0.5261	0.5080	0.4741	0.5029	Ave		0.5111			0.1000	4.4		15.0			
Vinyl acetate	0.0478 0.0588	0.0484	0.0506	0.0555	0.0571	Ave		0.0530				8.9		15.0			
2-Butanone (MEK)	0.1466 0.1153	0.1377	0.1344	0.1292	0.1249	Ave		0.1314			0.0500	8.2		15.0			
cis-1,2-Dichloroethene	0.3434 0.3406	0.3378	0.3321	0.3149	0.3313	Ave		0.3334			0.1000	3.1		15.0			
2,2-Dichloropropane	0.2985 0.3018	0.2994	0.2904	0.2816	0.2841	Ave		0.2926				2.9		15.0			
Bromochloromethane	0.1745 0.1603	0.1650	0.1579	0.1524	0.1600	Ave		0.1617				4.6		15.0			
Tetrahydrofuran	0.1623 0.0770	0.1268	0.1019	0.0945	0.0906	Qua	0.0510	0.0977	-0.001						1.0000		0.9900
Chloroform	0.5382 0.5104	0.5344	0.5141	0.4847	0.5051	Ave		0.5145				3.8		15.0			
1,1,1-Trichloroethane	0.3435 0.3635	0.3603	0.3531	0.3495	0.3459	Ave		0.3526			0.1000	2.3		15.0			
Cyclohexane	0.3924 0.4297	0.3928	0.3828	0.4176	0.3822	Ave		0.3996			0.1000	4.9		15.0			
1,1-Dichloropropene	0.3666 0.3817	0.3585	0.3484	0.3567	0.3593	Ave		0.3619				3.1		15.0			
Carbon tetrachloride	0.2800 0.2944	0.2895	0.2827	0.2798	0.2804	Ave		0.2845			0.1000	2.1		15.0			
1,2-Dichloroethane	0.3753 0.3636	0.3888	0.3748	0.3532	0.3679	Ave		0.3706			0.1000	3.3		15.0			
Benzene	1.3377 1.2769	1.2734	1.2459	1.1756	1.2375	Ave		1.2578			0.5000	4.3		15.0			
Trichloroethene	0.3319 0.3129	0.3175	0.3008	0.2936	0.3049	Ave		0.3103			0.2000	4.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2943 0.2967	0.2997	0.2914	0.2787	0.2906	Ave		0.2919			0.1000	2.5		15.0			
Methylcyclohexane	0.3048 0.3820	0.3122	0.3088	0.3523	0.3165	Ave		0.3294			0.1000	9.4		15.0			
Dibromomethane	0.1719 0.1654	0.1776	0.1687	0.1613	0.1693	Ave		0.1691				3.3		15.0			
1,4-Dioxane	0.0032 0.0019	0.0035	0.0031	0.0032	0.0028	Qua	-0.045	0.0037	0						0.9990		0.9900
Bromodichloromethane	0.3305 0.3666	0.3535	0.3408	0.3314	0.3579	Ave		0.3468			0.1000	4.3		15.0			
2-Chloroethyl vinyl ether	0.1453 0.1796	0.1517	0.1668	0.1668	0.1838	Ave		0.1657				9.1		15.0			
cis-1,3-Dichloropropene	0.3841 0.4756	0.4149	0.4156	0.4175	0.4608	Ave		0.4281			0.1500	7.9		15.0			
4-Methyl-2-pentanone (MIBK)	0.2502 0.2431	0.2520	0.2578	0.2546	0.2644	Ave		0.2537			0.0500	2.8		15.0			
Toluene	1.8664 1.9630	1.9065	1.8992	1.8001	1.8781	Ave		1.8855			0.4000	2.8		15.0			
trans-1,3-Dichloropropene	0.4843 0.5851	0.5120	0.5214	0.5271	0.5752	Ave		0.5342			0.1000	7.2		15.0			
Ethyl methacrylate	0.4175 0.5248	0.4537	0.4976	0.5155	0.5358	Ave		0.4908				9.4		15.0			
1,1,2-Trichloroethane	0.3965 0.3639	0.3986	0.3947	0.3693	0.3697	Ave		0.3821			0.1000	4.2		15.0			
1,3-Dichloropropane	0.6981 0.6579	0.7006	0.6719	0.6455	0.6646	Ave		0.6731				3.3		15.0			
Tetrachloroethene	0.3597 0.3421	0.3494	0.3394	0.3274	0.3239	Ave		0.3403			0.2000	3.9		15.0			
2-Hexanone	0.2126 0.2211	0.2276	0.2441	0.2370	0.2427	Ave		0.2308			0.0500	5.5		15.0			
Dibromochloromethane	0.3322 0.4007	0.3628	0.3736	0.3663	0.3888	Ave		0.3707				6.4		15.0			
1,2-Dibromoethane	0.3784 0.3620	0.3712	0.3747	0.3568	0.3796	Ave		0.3704				2.5		15.0			
Chlorobenzene	1.2245 1.2162	1.1857	1.2088	1.1348	1.1884	Ave		1.1931			0.3000	2.7		15.0			
1,1,1,2-Tetrachloroethane	0.4228 0.4179	0.4074	0.4195	0.3970	0.4190	Ave		0.4139				2.4		15.0			
Ethylbenzene	0.5412 0.6396	0.5736	0.6094	0.5997	0.6150	Ave		0.5964				5.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	0.6972 0.8248	0.7263	0.7597	0.7488	0.7812	Ave		0.7563				5.8		15.0			
o-Xylene	0.6828 0.7903	0.7132	0.7597	0.7334	0.7722	Ave		0.7419				5.4		15.0			
Styrene	1.0085 1.3633	1.0896	1.1898	1.1917	1.3011	Ave		1.1907			0.3000	11.0		15.0			
Bromoform	0.2037 0.2410	0.2123	0.2232	0.2246	0.2417	Ave		0.2244			0.1000	6.8		15.0			
Isopropylbenzene	1.5016 1.8634	1.5874	1.6652	1.6598	1.7248	Ave		1.6670			0.1000	7.4		15.0			
1,1,2,2-Tetrachloroethane	0.9993 0.8703	0.9692	0.9229	0.9160	0.9142	Ave		0.9320			0.3000	4.9		15.0			
Bromobenzene	0.9066 0.9891	0.9305	0.9192	0.9074	0.9325	Ave		0.9309				3.3		15.0			
1,2,3-Trichloropropane	0.3141 0.2807	0.3294	0.2942	0.2917	0.2971	Ave		0.3012				5.8		15.0			
trans-1,4-Dichloro-2-butene	0.1535 0.2176	0.1449	0.1624	0.1859	0.1964	Lin1	-0.107	0.2101							0.9950		0.9950
N-Propylbenzene	0.7428 0.9160	0.8241	0.8091	0.8068	0.8366	Ave		0.8226				6.8		15.0			
2-Chlorotoluene	0.7886 0.8627	0.8575	0.8175	0.7989	0.8347	Ave		0.8267				3.7		15.0			
1,3,5-Trimethylbenzene	2.3054 2.8184	2.4085	2.5167	2.5446	2.6165	Ave		2.5350				7.0		15.0			
4-Chlorotoluene	0.8271 0.9287	0.9160	0.8864	0.8522	0.8747	Ave		0.8808				4.3		15.0			
tert-Butylbenzene	1.8150 2.4805	2.0046	2.0255	2.0722	2.0913	Ave		2.0815				11.0		15.0			
1,2,4-Trimethylbenzene	2.3225 2.8553	2.5618	2.6034	2.6596	2.7260	Ave		2.6214				6.8		15.0			
sec-Butylbenzene	2.4876 2.9246	2.5564	2.5936	2.6735	2.6770	Ave		2.6521				5.7		15.0			
1,3-Dichlorobenzene	1.7689 1.6631	1.7710	1.6117	1.5728	1.6251	Ave		1.6688			0.6000	5.0		15.0			
4-Isopropyltoluene	1.9274 2.4835	2.1614	2.2101	2.2659	2.3252	Ave		2.2289				8.3		15.0			
1,4-Dichlorobenzene	1.9138 1.7559	1.9110	1.7950	1.6808	1.7314	Ave		1.7980			0.5000	5.3		15.0			
n-Butylbenzene	1.5952 1.9531	1.7170	1.7201	1.8049	1.7969	Ave		1.7645				6.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.7369 1.5919	1.7869	1.6727	1.5983	1.6348	Ave		1.6702			0.4000	4.7		15.0			
1,2-Dibromo-3-Chloropropane	0.1560 0.1265	0.1750	0.1482	0.1702	0.1674	Ave		0.1572			0.0500	11.0		15.0			
1,3,5-Trichlorobenzene	1.0120 0.7612	1.0543	0.9110	0.9328	0.9131	Ave		0.9307				11.0		15.0			
1,2,4-Trichlorobenzene	0.8797 0.6225	0.9696	0.8584	0.9081	0.8514	Ave		0.8483			0.2000	14.0		15.0			
Hexachlorobutadiene	0.4057 0.1875	0.4181	0.3466	0.3516	0.2693	Qua	0.1206	0.3580	-0.004						0.9980		0.9900
Naphthalene	2.3166 +++++	2.7051	2.4216	2.8654	2.6168	Ave		2.5851				8.5		15.0			
1,2,3-Trichlorobenzene	0.9662 +++++	1.0400	0.8872	0.9193	0.7679	Ave		0.9161				11.0		15.0			
Dibromofluoromethane (Surr)	0.2741 0.2764	0.2745	0.2863	0.2620	0.2701	Ave		0.2739				2.9		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3189 0.3200	0.3315	0.3353	0.3006	0.3252	Ave		0.3219				3.8		15.0			
Toluene-d8 (Surr)	1.5102 1.6599	1.5163	1.6282	1.5503	1.5788	Ave		1.5740				3.8		15.0			
4-Bromofluorobenzene (Surr)	0.5032 0.5358	0.5103	0.5387	0.5055	0.5296	Ave		0.5205				3.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-64678/7	UXX0851.D
Level 2	STD8260 240-64678/6	UXX0850.D
Level 3	STD8260 240-64678/5	UXX0849.D
Level 4	STD8260 240-64678/4	UXX0848.D
Level 5	STD8260 240-64678/3	UXX0847.D
Level 6	STD8260 240-64678/2	UXX0846.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	34671 1517107	70486	177301	373185	669856	1.00 40.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	77442 2482208	156281	342304	630854	1252314	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	54815 2144335	112499	275699	545008	1043756	1.00 40.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	28264 983996	56470	121597	236981	468904	1.00 40.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	28099 1047754	58980	124356	244780	492362	1.00 40.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	38147 1799625	76738	186904	402134	765812	1.00 40.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	65268 2570338	123569	304469	644261	1273557	10.0 400	20.0	50.0	100	200
1,1-Dichloroethene	FB	Ave	44690 1872976	84658	214549	437052	847885	1.00 40.0	2.00	5.00	10.0	20.0
Acetone	FB	Lin1	44960 1043547	69478	166058	295160	562559	2.00 80.0	4.00	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	31497 1426944	65909	163255	347682	632122	1.00 40.0	2.00	5.00	10.0	20.0
Iodomethane	FB	Ave	76830 2933107	161277	372028	708810	1411863	1.00 40.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	136745 6119513	273875	683913	1348377	2713083	1.00 40.0	2.00	5.00	10.0	20.0
Acetonitrile	FB	Qua	65625 1767771	120215	284821	538745	994750	10.0 400	20.0	50.0	100	200
Methyl acetate	FB	Ave	89933 3126431	172767	421663	819857	1616797	2.00 80.0	4.00	10.0	20.0	40.0
Methylene Chloride	FB	Ave	72627 2370613	132313	295754	559579	1136559	1.00 40.0	2.00	5.00	10.0	20.0
2-Methyl-2-propanol	FB	Ave	80525 2241645	153465	372177	736635	1437321	20.0 800	40.0	100	200	400

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acrylonitrile	FB	Ave	42638 1653968	80637	215874	421506	842773	2.00 80.0	4.00	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	153912 6451424	305714	777265	1519712	3199056	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	52663 2277605	106452	267462	525590	1063185	1.00 40.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	7645 395795	17904	38466	91773	161419	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	94279 3828847	183164	451913	858573	1821871	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	8334 437314	16843	44995	100425	206976	1.00 40.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	51121 1714375	95911	239039	468043	904760	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	59877 2532393	117608	295440	570139	1200218	1.00 40.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	52041 2243724	104223	258332	509922	1029269	1.00 40.0	2.00	5.00	10.0	20.0
Bromochloromethane	FB	Ave	30419 1191655	57430	140473	275976	579619	1.00 40.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Qua	28303 572725	44131	90634	171197	328102	1.00 40.0	2.00	5.00	10.0	20.0
Chloroform	FB	Ave	93846 3794429	186053	457349	877735	1830142	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	59884 2702490	125449	314125	632967	1253228	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	68421 3194526	136757	340535	756268	1384706	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	63924 2837459	124802	309947	645899	1301656	1.00 40.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	48821 2188730	100798	251500	506633	1015979	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	65431 2702867	135372	333387	639567	1332741	1.00 40.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	233228 9493368	443302	1108291	2128801	4483517	1.00 40.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	57861 2326533	110526	267568	531723	1104556	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	51313 2205915	104320	259174	504756	1052699	1.00 40.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	53144 2839694	108692	274651	637965	1146512	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dibromomethane	FB	Ave	29978 1229677	61839	150074	292142	613551	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dioxane	FB	Qua	27535 720574	60682	137374	288501	512220	50.0 2000	100	250	500	1000
Bromodichloromethane	FB	Ave	57623 2725858	123061	303148	600098	1296764	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	50671 2670875	105614	296796	604141	1331531	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	66977 3536095	144437	369728	755964	1669482	1.00 40.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	87243 3614614	175491	458647	922094	1915881	2.00 80.0	4.00	10.0	20.0	40.0
Toluene	CBZ	Ave	217546 10274925	451655	1132310	2241611	4790661	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	56453 3062643	121296	310855	656429	1467254	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Ave	48665 2746746	107493	296669	641991	1366660	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	46213 1904687	94427	235302	459854	943086	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	81372 3443790	165969	400610	803827	1695247	1.00 40.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	41923 1790634	82786	202364	407744	826165	1.00 40.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Ave	49559 2314236	107859	291062	590164	1237996	2.00 80.0	4.00	10.0	20.0	40.0
Dibromochloromethane	CBZ	Ave	38720 2097297	85958	222734	456198	991725	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	44106 1895026	87936	223365	444348	968223	1.00 40.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	142728 6365963	280902	720708	1413092	3031433	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	49287 2187416	96510	250128	494391	1068740	1.00 40.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	63081 3347620	135894	363350	746753	1568837	1.00 40.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	162535 8634865	344119	905853	1864879	3985489	2.00 80.0	4.00	10.0	20.0	40.0
o-Xylene	CBZ	Ave	79587 4136461	168969	452959	913272	1969700	1.00 40.0	2.00	5.00	10.0	20.0
Styrene	CBZ	Ave	117552 7135888	258133	709345	1484029	3318900	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	23746 1261483	50285	133051	279702	616561	1.00 40.0	2.00	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	175027 9753706	376054	992795	2066828	4399760	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	59590 2260530	119752	294932	599230	1229157	1.00 40.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	54065 2569216	114972	293754	593639	1253824	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	18732 729085	40695	94024	190863	399459	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Lin1	9151 565293	17898	51883	121595	264109	1.00 40.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	44296 2379317	101816	258545	527842	1124810	1.00 40.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	47028 2240856	105949	261247	522662	1122340	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	137475 7320946	297581	804267	1664702	3517956	1.00 40.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	49320 2412432	113179	283249	557492	1176060	1.00 40.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	108234 6443256	247676	647284	1355669	2811782	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	138495 7416636	316517	831957	1739940	3665232	1.00 40.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	148343 7596669	315856	828824	1749001	3599319	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	105483 4319964	218816	515050	1028971	2184946	1.00 40.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCB	Ave	114936 6450809	267048	706275	1482377	3126343	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	114122 4561039	236109	573628	1099593	2327891	1.00 40.0	2.00	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	95124 5073281	212137	549686	1180776	2416052	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	103573 4134855	220774	534538	1045591	2198021	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	9302 328665	21622	47356	111358	225061	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	60345 1977219	130259	291118	610228	1227759	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	52456 1616850	119798	274305	594109	1144674	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobutadiene	DCB	Qua	24195 487092	51657	110766	230031	362028	1.00 40.0	2.00	5.00	10.0	20.0
Naphthalene	DCB	Ave	138144 +++++	334220	773873	1874568	3518446	1.00 +++++	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	57614 +++++	128490	283525	601412	1032422	1.00 +++++	2.00	5.00	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	47796 2054581	95558	254654	474438	978409	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	55605 2378828	115392	298265	544354	1178172	1.00 40.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	176027 8688536	359210	970714	1930573	4027368	1.00 40.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	58658 2804504	120897	321161	629515	1350915	1.00 40.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0846.D
Lims ID: STD8260 L6 Client ID:
Inject. Date: 12-Nov-2012 15:10:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014871-001
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 64678 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:22:53 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

First Level Reviewer: quayler Date: 12-Nov-2012 15:41:27

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	99	1858646	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.878	0.0	83	1308572	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	72	649378	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.627	0.009	59	2054581	40.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.002	0	2378828	39.8	
$ 7 Toluene-d8 (Surr)	98	6.564	6.567	-0.003	92	8688536	42.2	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	91	2804504	41.2	
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	88	1517107	41.0	
13 Chloromethane	50	1.701	1.704	-0.003	89	2482208	34.8	
14 Vinyl chloride	62	1.808	1.799	0.009	82	2144335	37.9	
16 Bromomethane	94	2.092	2.094	-0.002	88	983996	37.2	
17 Chloroethane	64	2.174	2.177	-0.003	99	1047754	38.3	
19 Trichlorofluoromethane	101	2.399	2.390	0.009	97	1799625	43.9	
21 Acrolein	56	2.695	2.698	-0.003	96	2570338	390.5	
23 1,1-Dichloroethene	96	2.813	2.816	-0.003	88	1872976	41.2	
24 Acetone	43	2.825	2.828	-0.003	100	1043547	76.7	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.837	2.840	-0.003	83	1426944	41.4	
26 Iodomethane	142	2.943	2.935	0.008	96	2933107	37.9	
27 Carbon disulfide	76	3.003	3.006	-0.003	98	6119513	42.4	
28 Acetonitrile	41	3.050	3.053	-0.003	98	1767771	400.1	
30 Methyl acetate	43	3.097	3.100	-0.003	95	3126431	71.9	
31 Methylene Chloride	84	3.192	3.195	-0.003	79	2370613	37.0	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	96	2241645	596.5	
33 Acrylonitrile	53	3.381	3.384	-0.003	100	1653968	75.9	
35 Methyl tert-butyl ether	73	3.429	3.432	-0.003	87	6451424	39.9	
34 trans-1,2-Dichloroethene	96	3.429	3.432	-0.003	61	2277605	40.9	
36 Hexane	86	3.665	3.656	0.009	91	395795	44.5	
37 1,1-Dichloroethane	63	3.772	3.775	-0.003	96	3828847	40.3	
38 Vinyl acetate	86	3.795	3.798	-0.003	96	437314	44.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.233	4.236	-0.003	95	1714375	70.2	
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	68	2532393	40.9	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	87	2243724	41.3	
48 Chlorobromomethane	128	4.446	4.449	-0.003	89	1191655	39.7	
49 Tetrahydrofuran	42	4.482	4.485	-0.003	95	572725	39.9	
50 Chloroform	83	4.494	4.497	-0.003	81	3794429	39.7	
51 1,1,1-Trichloroethane	97	4.671	4.674	-0.003	89	2702490	41.2	
52 Cyclohexane	56	4.742	4.745	-0.003	86	3194526	43.0	
53 1,1-Dichloropropene	75	4.813	4.804	0.009	95	2837459	42.2	
54 Carbon tetrachloride	117	4.825	4.816	0.009	89	2188730	41.4	
56 1,2-Dichloroethane	62	4.979	4.982	-0.003	78	2702867	39.2	
57 Benzene	78	4.979	4.982	-0.003	94	9493368	40.6	
61 Trichloroethene	130	5.523	5.514	0.009	92	2326533	40.3	
63 Methylcyclohexane	83	5.701	5.703	-0.003	88	2839694	46.4	
64 1,2-Dichloropropane	63	5.701	5.703	-0.003	92	2205915	40.7	
66 Dibromomethane	93	5.807	5.798	0.009	89	1229677	39.1	
67 1,4-Dioxane	88	5.807	5.810	-0.003	89	720574	1977.5	
68 Dichlorobromomethane	83	5.925	5.928	-0.003	94	2725858	42.3	
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	91	2670875	86.7	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	94	3536095	44.4	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.437	0.009	95	3614614	76.7	
73 Toluene	91	6.623	6.626	-0.003	97	10274925	41.6	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	87	3062643	43.8	
75 Ethyl methacrylate	69	6.872	6.875	-0.003	88	2746746	42.8	
76 1,1,2-Trichloroethane	97	6.967	6.970	-0.003	84	1904687	38.1	
77 1,3-Dichloropropane	76	7.120	7.123	-0.003	92	3443790	39.1	
78 Tetrachloroethene	164	7.132	7.135	-0.003	90	1790634	40.2	
79 2-Hexanone	43	7.180	7.183	-0.003	95	2314236	76.6	
81 Chlorodibromomethane	129	7.333	7.336	-0.003	88	2097297	43.2	
83 Ethylene Dibromide	107	7.452	7.455	-0.003	99	1895026	39.1	
85 Chlorobenzene	112	7.913	7.904	0.009	98	6365963	40.8	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.975	-0.003	85	2187416	40.4	
87 Ethylbenzene	106	8.008	8.011	-0.003	97	3347620	42.9	
88 m-Xylene & p-Xylene	106	8.114	8.117	-0.003	98	8634865	87.2	
89 o-Xylene	106	8.493	8.496	-0.003	92	4136461	42.6	
90 Styrene	104	8.505	8.508	-0.003	93	7135888	45.8	
91 Bromoform	173	8.682	8.685	-0.003	99	1261483	43.0	
92 Isopropylbenzene	105	8.848	8.851	-0.003	94	9753706	44.7	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.111	-0.003	85	2260530	37.4	
96 Bromobenzene	156	9.144	9.147	-0.003	90	2569216	42.5	
97 1,2,3-Trichloropropane	110	9.156	9.159	-0.003	71	729085	37.3	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.170	-0.002	72	565293	41.9	
99 N-Propylbenzene	120	9.250	9.241	0.009	98	2379317	44.5	
100 2-Chlorotoluene	126	9.333	9.336	-0.003	97	2240856	41.7	
101 1,3,5-Trimethylbenzene	105	9.416	9.407	0.009	92	7320946	44.5	
102 4-Chlorotoluene	126	9.440	9.431	0.009	98	2412432	42.2	
103 tert-Butylbenzene	119	9.735	9.738	-0.003	90	6443256	47.7	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	72	7416636	43.6	
105 sec-Butylbenzene	105	9.948	9.951	-0.003	94	7596669	44.1	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	96	4319964	39.9	
107 4-Isopropyltoluene	119	10.090	10.093	-0.003	97	6450809	44.6	
108 1,4-Dichlorobenzene	146	10.150	10.153	-0.003	95	4561039	39.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.505	10.496	0.009	97	5073281	44.3	
111 1,2-Dichlorobenzene	146	10.516	10.519	-0.003	98	4134855	38.1	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.289	-0.003	88	328665	32.2	
113 1,3,5-Trichlorobenzene	180	11.510	11.513	-0.003	97	1977219	32.7	
114 1,2,4-Trichlorobenzene	180	12.126	12.129	-0.003	92	1616850	29.4	
115 Hexachlorobutadiene	225	12.303	12.306	-0.003	96	487092	NaN	
116 Naphthalene	128	12.374	12.377	-0.003	100	4042500	24.1	
117 1,2,3-Trichlorobenzene	180	12.623	12.626	-0.003	99	1163004	19.5	
S 119 Trihalomethanes, Total	1				0		168.2	
S 120 1,2-Dichloroethene, Total	96				0		81.8	
S 121 1,3-Dichloropropene, Total	75				0		88.3	
S 122 Xylenes, Total	106				0		129.9	

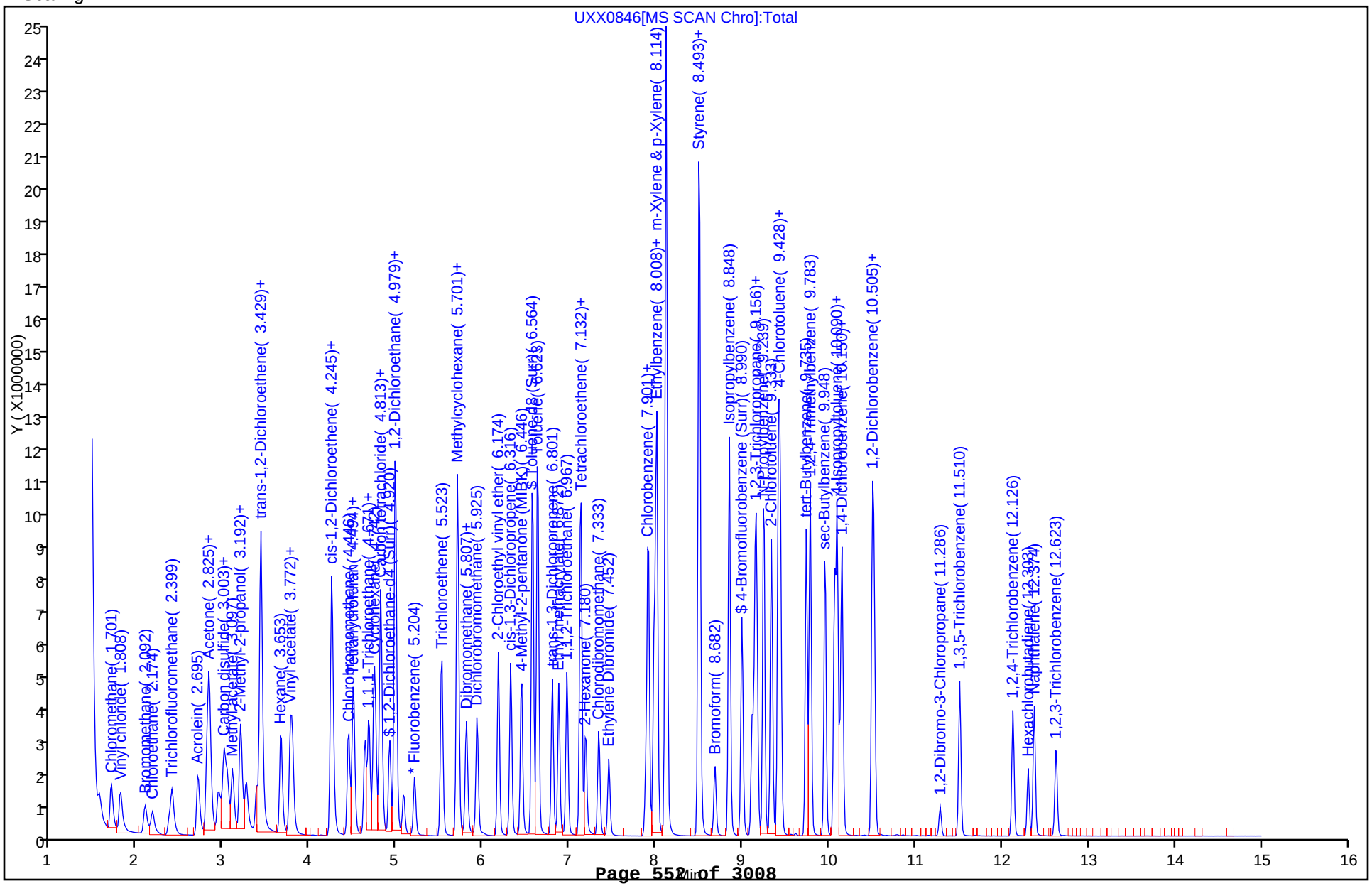
Report Date: 14-Nov-2012 12:22:53 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0846.D

Injection Date:	12-Nov-2012 15:10:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	2
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0847.D
Lims ID: STD8260 L5 Client ID:
Inject. Date: 12-Nov-2012 15:33:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014871-002
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 64678 Lims Sample ID: 3
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:22:54 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.205	5.204	0.001	100	1811507	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.878	0.001	85	1275429	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	79	672268	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.637	4.627	0.010	60	978409	19.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.921	4.923	-0.001	0	1178172	20.2	
$ 7 Toluene-d8 (Surr)	98	6.565	6.567	-0.002	92	4027368	20.1	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	93	1350915	20.3	
12 Dichlorodifluoromethane	85	1.560	1.562	-0.002	92	669856	18.6	
13 Chloromethane	50	1.702	1.704	-0.002	99	1252314	18.0	
14 Vinyl chloride	62	1.809	1.799	0.010	94	1043756	18.9	
16 Bromomethane	94	2.093	2.094	-0.001	88	468904	18.2	
17 Chloroethane	64	2.175	2.177	-0.002	99	492362	18.5	
19 Trichlorofluoromethane	101	2.400	2.390	0.010	98	765812	19.1	
21 Acrolein	56	2.696	2.698	-0.002	97	1273557	198.5	
23 1,1-Dichloroethene	96	2.814	2.816	-0.002	88	847885	19.1	
24 Acetone	43	2.826	2.828	-0.002	100	562559	41.6	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.838	2.840	-0.002	82	632122	18.8	
26 Iodomethane	142	2.933	2.935	-0.002	95	1411863	18.7	
27 Carbon disulfide	76	3.004	3.006	-0.002	98	2713083	19.3	
28 Acetonitrile	41	3.051	3.053	-0.002	99	994750	199.5	
30 Methyl acetate	43	3.098	3.100	-0.002	95	1616797	38.2	
31 Methylene Chloride	84	3.193	3.195	-0.002	81	1136559	18.2	
32 2-Methyl-2-propanol	59	3.264	3.266	-0.002	98	1437321	392.5	
33 Acrylonitrile	53	3.382	3.384	-0.002	100	842773	39.7	
35 Methyl tert-butyl ether	73	3.430	3.432	-0.002	87	3199056	20.3	
34 trans-1,2-Dichloroethene	96	3.430	3.432	-0.002	62	1063185	19.6	
36 Hexane	86	3.666	3.656	0.010	91	161419	18.6	
37 1,1-Dichloroethane	63	3.773	3.775	-0.002	85	1821871	19.7	
38 Vinyl acetate	86	3.797	3.798	-0.001	97	206976	21.5	
42 2-Butanone (MEK)	43	4.234	4.236	-0.002	95	904760	38.0	
43 cis-1,2-Dichloroethene	96	4.246	4.248	-0.002	68	1200218	19.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.258	4.260	-0.002	87	1029269	19.4	
48 Chlorobromomethane	128	4.447	4.449	-0.002	91	579619	19.8	
49 Tetrahydrofuran	42	4.495	4.485	0.010	88	328102	20.3	
50 Chloroform	83	4.495	4.497	-0.002	89	1830142	19.6	
51 1,1,1-Trichloroethane	97	4.672	4.674	-0.002	92	1253228	19.6	
52 Cyclohexane	56	4.743	4.745	-0.002	87	1384706	19.1	
53 1,1-Dichloropropene	75	4.814	4.804	0.010	95	1301656	19.9	
54 Carbon tetrachloride	117	4.826	4.816	0.010	86	1015979	19.7	
56 1,2-Dichloroethane	62	4.980	4.982	-0.002	52	1332741	19.9	
57 Benzene	78	4.980	4.982	-0.002	94	4483517	19.7	
61 Trichloroethene	130	5.524	5.514	0.010	92	1104556	19.7	
63 Methylcyclohexane	83	5.702	5.703	-0.001	84	1146512	19.2	
64 1,2-Dichloropropane	63	5.702	5.703	-0.001	84	1052699	19.9	
66 Dibromomethane	93	5.808	5.798	0.010	88	613551	20.0	
67 1,4-Dioxane	88	5.808	5.810	-0.002	87	512220	1012.5	
68 Dichlorobromomethane	83	5.926	5.928	-0.002	100	1296764	20.6	
70 2-Chloroethyl vinyl ether	63	6.175	6.177	-0.002	90	1331531	44.4	
71 cis-1,3-Dichloropropene	75	6.317	6.319	-0.002	93	1669482	21.5	
72 4-Methyl-2-pentanone (MIBK)	43	6.435	6.437	-0.002	95	1915881	41.7	
73 Toluene	91	6.625	6.626	-0.001	98	4790661	19.9	
74 trans-1,3-Dichloropropene	75	6.802	6.804	-0.002	91	1467254	21.5	
75 Ethyl methacrylate	69	6.873	6.875	-0.002	88	1366660	21.8	
76 1,1,2-Trichloroethane	97	6.968	6.970	-0.002	85	943086	19.4	
77 1,3-Dichloropropane	76	7.122	7.123	-0.001	91	1695247	19.7	
78 Tetrachloroethene	164	7.133	7.135	-0.002	89	826165	19.0	
79 2-Hexanone	43	7.181	7.183	-0.002	96	1237996	42.0	
81 Chlorodibromomethane	129	7.335	7.336	-0.001	88	991725	21.0	
83 Ethylene Dibromide	107	7.453	7.455	-0.002	97	968223	20.5	
85 Chlorobenzene	112	7.914	7.904	0.010	94	3031433	19.9	
86 1,1,1,2-Tetrachloroethane	131	7.974	7.975	-0.001	85	1068740	20.2	
87 Ethylbenzene	106	8.009	8.011	-0.002	97	1568837	20.6	
88 m-Xylene & p-Xylene	106	8.116	8.117	-0.001	99	3985489	41.3	
89 o-Xylene	106	8.494	8.496	-0.002	92	1969700	20.8	
90 Styrene	104	8.506	8.508	-0.002	93	3318900	21.9	
91 Bromoform	173	8.684	8.685	-0.001	98	616561	21.5	
92 Isopropylbenzene	105	8.849	8.851	-0.002	94	4399760	20.7	
95 1,1,2,2-Tetrachloroethane	83	9.110	9.111	-0.001	81	1229157	19.6	
96 Bromobenzene	156	9.145	9.147	-0.002	91	1253824	20.0	
97 1,2,3-Trichloropropane	110	9.157	9.159	-0.002	75	399459	19.7	
98 trans-1,4-Dichloro-2-butene	53	9.169	9.170	-0.001	71	264109	19.2	
99 N-Propylbenzene	120	9.240	9.241	-0.001	98	1124810	20.3	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	97	1122340	20.2	
101 1,3,5-Trimethylbenzene	105	9.417	9.407	0.010	93	3517956	20.6	
102 4-Chlorotoluene	126	9.441	9.431	0.010	97	1176060	19.9	
103 tert-Butylbenzene	119	9.737	9.738	-0.001	89	2811782	20.1	
104 1,2,4-Trimethylbenzene	105	9.784	9.786	-0.002	85	3665232	20.8	
105 sec-Butylbenzene	105	9.950	9.951	-0.001	93	3599319	20.2	
106 1,3-Dichlorobenzene	146	10.068	10.070	-0.002	96	2184946	19.5	
107 4-Isopropyltoluene	119	10.092	10.093	-0.001	97	3126343	20.9	
108 1,4-Dichlorobenzene	146	10.151	10.153	-0.002	94	2327891	19.3	
110 n-Butylbenzene	91	10.494	10.496	-0.002	97	2416052	20.4	
111 1,2-Dichlorobenzene	146	10.518	10.519	-0.001	98	2198021	19.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.289	-0.002	89	225061	21.3	
113 1,3,5-Trichlorobenzene	180	11.512	11.513	-0.001	97	1227759	19.6	
114 1,2,4-Trichlorobenzene	180	12.127	12.129	-0.002	94	1144674	20.1	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	91	362028	19.2	
116 Naphthalene	128	12.375	12.377	-0.002	100	3518446	20.2	
117 1,2,3-Trichlorobenzene	180	12.624	12.626	-0.002	100	1032422	16.8	
S 119 Trihalomethanes, Total	1				0		82.8	
S 120 1,2-Dichloroethene, Total	96				0		39.5	
S 121 1,3-Dichloropropene, Total	75				0		43.1	
S 122 Xylenes, Total	106				0		62.1	

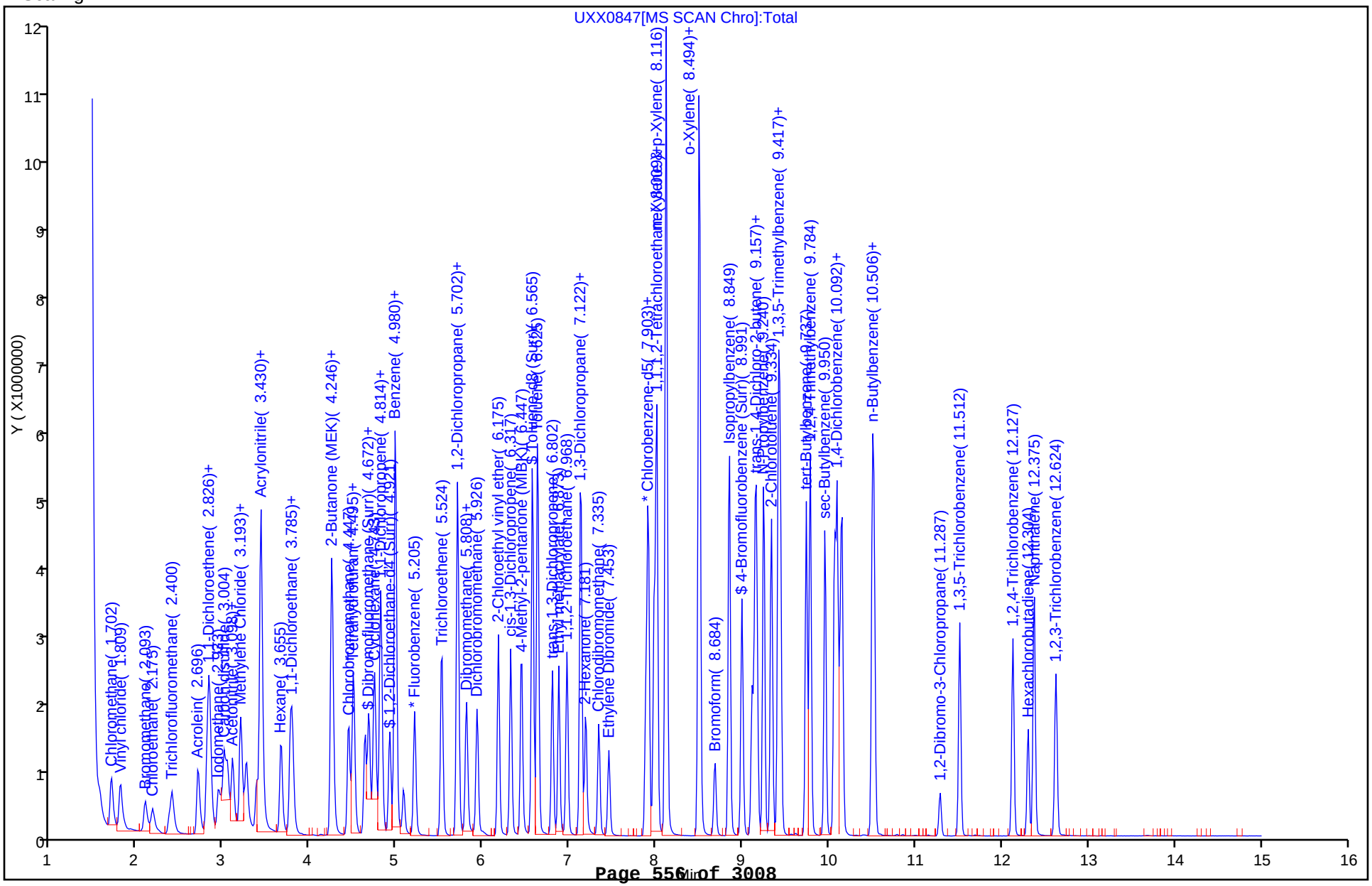
Report Date: 14-Nov-2012 12:22:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0847.D

Injection Date:	12-Nov-2012 15:33:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	3
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0848.D
Lims ID: STD8260 L4 Client ID:
Inject. Date: 12-Nov-2012 15:55:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 4
Sample ID: 240-0014871-004
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 64678 Lims Sample ID: 4
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:22:55 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.207	0.0	99	1810823	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	83	1245256	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	0.0	89	654209	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.627	4.627	0.0	59	474438	9.57	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.923	4.923	0.0	0	544354	9.34	
$ 7 Toluene-d8 (Surr)	98	6.567	6.567	0.0	93	1930573	9.85	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	93	629515	9.71	
12 Dichlorodifluoromethane	85	1.562	1.562	0.0	87	373185	10.3	
13 Chloromethane	50	1.704	1.704	0.0	89	630854	9.07	
14 Vinyl chloride	62	1.799	1.799	0.0	82	545008	9.90	
16 Bromomethane	94	2.094	2.094	0.0	87	236981	9.20	
17 Chloroethane	64	2.177	2.177	0.0	98	244780	9.19	
19 Trichlorofluoromethane	101	2.390	2.390	0.0	98	402134	10.1	
21 Acrolein	56	2.698	2.698	0.0	96	644261	100.5	
23 1,1-Dichloroethene	96	2.816	2.816	0.0	89	437052	9.86	
24 Acetone	43	2.828	2.828	0.0	94	295160	21.0	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.840	2.840	0.0	83	347682	10.4	
26 Iodomethane	142	2.935	2.935	0.0	96	708810	9.40	
27 Carbon disulfide	76	3.006	3.006	0.0	98	1348377	9.59	
28 Acetonitrile	41	3.053	3.053	0.0	100	538745	100.1	
30 Methyl acetate	43	3.100	3.100	0.0	95	819857	19.4	
31 Methylene Chloride	84	3.195	3.195	0.0	84	559579	8.95	
32 2-Methyl-2-propanol	59	3.266	3.266	0.0	95	736635	201.2	
33 Acrylonitrile	53	3.384	3.384	0.0	99	421506	19.9	
35 Methyl tert-butyl ether	73	3.432	3.432	0.0	87	1519712	9.64	
34 trans-1,2-Dichloroethene	96	3.432	3.432	0.0	63	525590	9.68	
36 Hexane	86	3.656	3.656	0.0	91	91773	10.6	
37 1,1-Dichloroethane	63	3.775	3.775	0.0	85	858573	9.28	
38 Vinyl acetate	86	3.798	3.798	0.0	96	100425	10.5	
42 2-Butanone (MEK)	43	4.236	4.236	0.0	95	468043	19.7	
43 cis-1,2-Dichloroethene	96	4.248	4.248	0.0	68	570139	9.44	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.260	4.260	0.0	87	509922	9.62	
48 Chlorobromomethane	128	4.449	4.449	0.0	90	275976	9.43	
49 Tetrahydrofuran	42	4.485	4.485	0.0	86	171197	9.68	
50 Chloroform	83	4.497	4.497	0.0	93	877735	9.42	
51 1,1,1-Trichloroethane	97	4.674	4.674	0.0	89	632967	9.91	
52 Cyclohexane	56	4.745	4.745	0.0	87	756268	10.5	
53 1,1-Dichloropropene	75	4.804	4.804	0.0	95	645899	9.86	
54 Carbon tetrachloride	117	4.816	4.816	0.0	86	506633	9.83	
56 1,2-Dichloroethane	62	4.982	4.982	0.0	46	639567	9.53	
57 Benzene	78	4.982	4.982	0.0	94	2128801	9.35	
61 Trichloroethene	130	5.514	5.514	0.0	98	531723	9.46	
63 Methylcyclohexane	83	5.703	5.703	0.0	86	637965	10.7	
64 1,2-Dichloropropane	63	5.703	5.703	0.0	83	504756	9.55	
66 Dibromomethane	93	5.798	5.798	0.0	92	292142	9.54	
67 1,4-Dioxane	88	5.810	5.810	0.0	87	288501	497.5	
68 Dichlorobromomethane	83	5.928	5.928	0.0	99	600098	9.56	
70 2-Chloroethyl vinyl ether	63	6.177	6.177	0.0	91	604141	20.1	
71 cis-1,3-Dichloropropene	75	6.319	6.319	0.0	92	755964	9.75	
72 4-Methyl-2-pentanone (MIBK)	43	6.437	6.437	0.0	96	922094	20.1	
73 Toluene	91	6.626	6.626	0.0	97	2241611	9.55	
74 trans-1,3-Dichloropropene	75	6.804	6.804	0.0	91	656429	9.87	
75 Ethyl methacrylate	69	6.875	6.875	0.0	88	641991	10.5	
76 1,1,2-Trichloroethane	97	6.970	6.970	0.0	89	459854	9.66	
77 1,3-Dichloropropane	76	7.123	7.123	0.0	91	803827	9.59	
78 Tetrachloroethene	164	7.135	7.135	0.0	89	407744	9.62	
79 2-Hexanone	43	7.183	7.183	0.0	95	590164	20.5	
81 Chlorodibromomethane	129	7.336	7.336	0.0	90	456198	9.88	
83 Ethylene Dibromide	107	7.455	7.455	0.0	99	444348	9.63	
85 Chlorobenzene	112	7.904	7.904	0.0	95	1413092	9.51	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.975	0.0	86	494391	9.59	
87 Ethylbenzene	106	8.011	8.011	0.0	97	746753	10.1	
88 m-Xylene & p-Xylene	106	8.117	8.117	0.0	99	1864879	19.8	
89 o-Xylene	106	8.496	8.496	0.0	95	913272	9.88	
90 Styrene	104	8.508	8.508	0.0	93	1484029	10.0	
91 Bromoform	173	8.685	8.685	0.0	98	279702	10.0	
92 Isopropylbenzene	105	8.851	8.851	0.0	95	2066828	9.96	
95 1,1,2,2-Tetrachloroethane	83	9.111	9.111	0.0	87	599230	9.83	
96 Bromobenzene	156	9.147	9.147	0.0	89	593639	9.75	
97 1,2,3-Trichloropropane	110	9.159	9.159	0.0	74	190863	9.69	
98 trans-1,4-Dichloro-2-butene	53	9.170	9.170	0.0	70	121595	9.35	
99 N-Propylbenzene	120	9.241	9.241	0.0	98	527842	9.81	
100 2-Chlorotoluene	126	9.336	9.336	0.0	97	522662	9.66	
101 1,3,5-Trimethylbenzene	105	9.407	9.407	0.0	93	1664702	10.0	
102 4-Chlorotoluene	126	9.431	9.431	0.0	98	557492	9.67	
103 tert-Butylbenzene	119	9.738	9.738	0.0	81	1355669	9.96	
104 1,2,4-Trimethylbenzene	105	9.786	9.786	0.0	70	1739940	10.1	
105 sec-Butylbenzene	105	9.951	9.951	0.0	93	1749001	10.1	
106 1,3-Dichlorobenzene	146	10.070	10.070	0.0	88	1028971	9.43	
107 4-Isopropyltoluene	119	10.093	10.093	0.0	95	1482377	10.2	
108 1,4-Dichlorobenzene	146	10.153	10.153	0.0	94	1099593	9.35	
110 n-Butylbenzene	91	10.496	10.496	0.0	95	1180776	10.2	
111 1,2-Dichlorobenzene	146	10.519	10.519	0.0	98	1045591	9.57	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.289	11.289	0.0	86	111358	10.8	
113 1,3,5-Trichlorobenzene	180	11.513	11.513	0.0	97	610228	10.0	
114 1,2,4-Trichlorobenzene	180	12.129	12.129	0.0	93	594109	10.7	
115 Hexachlorobutadiene	225	12.306	12.306	0.0	94	230031	10.9	
116 Naphthalene	128	12.377	12.377	0.0	100	1874568	11.1	
117 1,2,3-Trichlorobenzene	180	12.626	12.626	0.0	100	601412	10.0	
S 119 Trihalomethanes, Total	1				0		38.9	
S 120 1,2-Dichloroethene, Total	96				0		19.1	
S 121 1,3-Dichloropropene, Total	75				0		19.6	
S 122 Xylenes, Total	106				0		29.7	

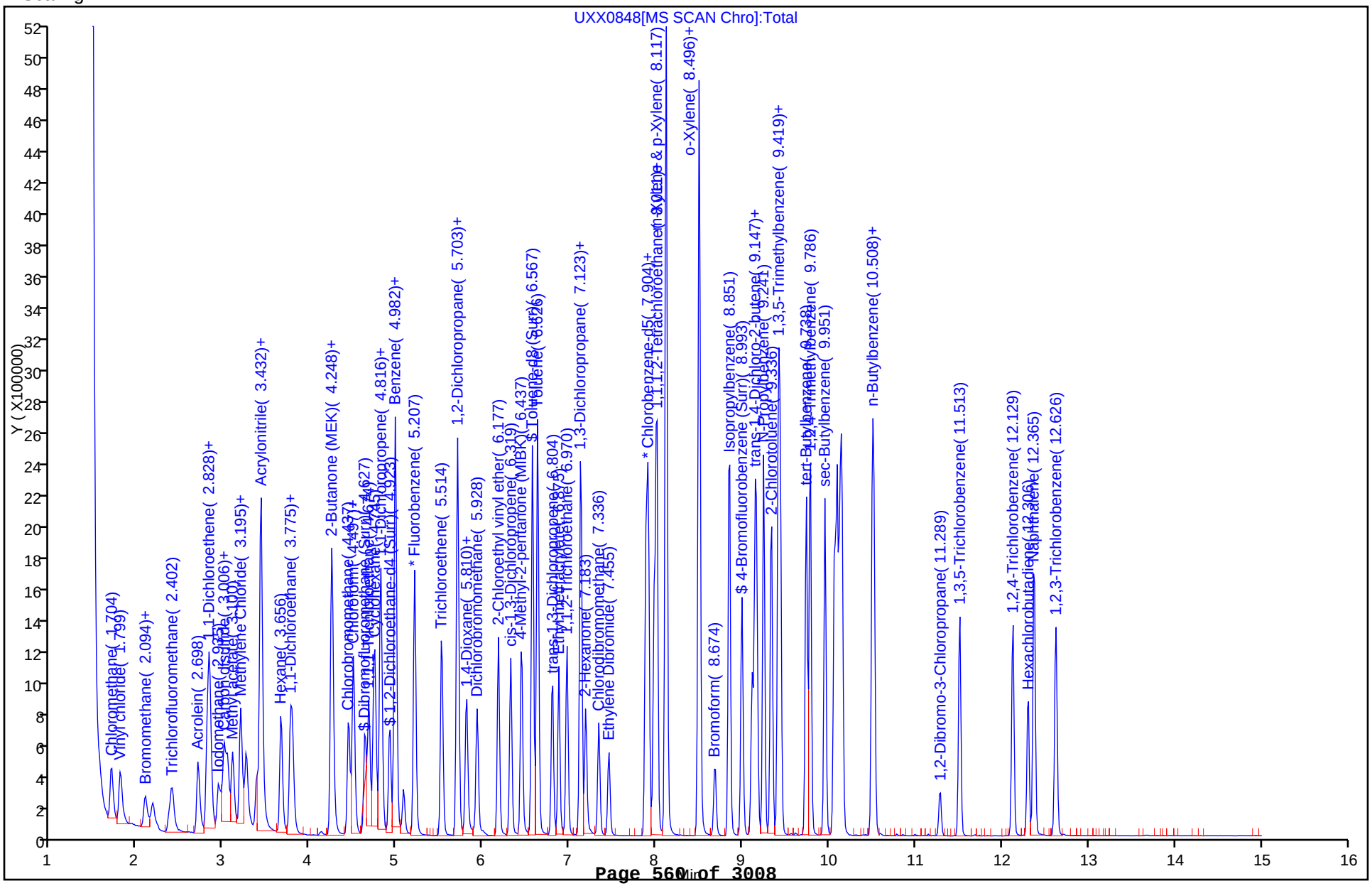
Report Date: 14-Nov-2012 12:22:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0848.D

Injection Date:	12-Nov-2012 15:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	4
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0849.D		
Lims ID:	STD8260 L3	Client ID:	
Inject. Date:	12-Nov-2012 16:17:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0014871-005		
Misc. Info.:	P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	4
Lims Batch ID:	64678	Lims Sample ID:	5
Sublist:	chrom-8260_10*sub25		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m		
Last Update:	14-Nov-2012 12:22:56	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.207	-0.002	99	1779078	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.881	-0.003	85	1192390	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.129	-0.002	91	639132	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.627	0.009	59	254654	5.23	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.002	0	298265	5.21	
$ 7 Toluene-d8 (Surr)	98	6.565	6.567	-0.002	92	970714	5.17	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	91	321161	5.17	
12 Dichlorodifluoromethane	85	1.560	1.562	-0.002	97	177301	5.00	
13 Chloromethane	50	1.702	1.704	-0.002	88	342304	5.01	
14 Vinyl chloride	62	1.796	1.799	-0.003	82	275699	5.09	
16 Bromomethane	94	2.092	2.094	-0.002	89	121597	4.80	
17 Chloroethane	64	2.175	2.177	-0.002	98	124356	4.75	
19 Trichlorofluoromethane	101	2.400	2.390	0.010	93	186904	4.76	
21 Acrolein	56	2.708	2.698	0.010	90	304469	48.3	
23 1,1-Dichloroethene	96	2.814	2.816	-0.002	89	214549	4.93	
24 Acetone	43	2.826	2.828	-0.002	81	166058	11.2	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.838	2.840	-0.002	81	163255	4.95	
26 Iodomethane	142	2.944	2.935	0.009	97	372028	5.02	
27 Carbon disulfide	76	3.003	3.006	-0.003	98	683913	4.95	
28 Acetonitrile	41	3.051	3.053	-0.002	98	284821	50.9	
30 Methyl acetate	43	3.098	3.100	-0.002	95	421663	10.1	
31 Methylene Chloride	84	3.193	3.195	-0.002	86	295754	4.82	
32 2-Methyl-2-propanol	59	3.264	3.266	-0.002	95	372177	103.5	
33 Acrylonitrile	53	3.382	3.384	-0.002	99	215874	10.4	
35 Methyl tert-butyl ether	73	3.429	3.432	-0.003	88	777265	5.02	
34 trans-1,2-Dichloroethene	96	3.429	3.432	-0.003	63	267462	5.02	
36 Hexane	86	3.666	3.656	0.010	90	38466	4.52	
37 1,1-Dichloroethane	63	3.773	3.775	-0.002	97	451913	4.97	
38 Vinyl acetate	86	3.796	3.798	-0.002	97	44995	4.77	
42 2-Butanone (MEK)	43	4.246	4.236	0.010	70	239039	10.2	
43 cis-1,2-Dichloroethene	96	4.246	4.248	-0.002	68	295440	4.98	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.258	4.260	-0.002	86	258332	4.96	
48 Chlorobromomethane	128	4.447	4.449	-0.002	94	140473	4.88	
49 Tetrahydrofuran	42	4.494	4.485	0.009	86	90634	4.82	
50 Chloroform	83	4.494	4.497	-0.003	94	457349	5.00	
51 1,1,1-Trichloroethane	97	4.672	4.674	-0.002	89	314125	5.01	
52 Cyclohexane	56	4.743	4.745	-0.002	86	340535	4.79	
53 1,1-Dichloropropene	75	4.814	4.804	0.010	94	309947	4.81	
54 Carbon tetrachloride	117	4.826	4.816	0.010	80	251500	4.97	
56 1,2-Dichloroethane	62	4.979	4.982	-0.003	52	333387	5.06	
57 Benzene	78	4.979	4.982	-0.003	94	1108291	4.95	
61 Trichloroethene	130	5.524	5.514	0.010	95	267568	4.85	
63 Methylcyclohexane	83	5.701	5.703	-0.002	84	274651	4.69	
64 1,2-Dichloropropane	63	5.701	5.703	-0.002	83	259174	4.99	
66 Dibromomethane	93	5.808	5.798	0.010	88	150074	4.99	
67 1,4-Dioxane	88	5.808	5.810	-0.002	91	137374	231.7	
68 Dichlorobromomethane	83	5.926	5.928	-0.002	99	303148	4.91	
70 2-Chloroethyl vinyl ether	63	6.175	6.177	-0.002	91	296796	10.1	
71 cis-1,3-Dichloropropene	75	6.317	6.319	-0.002	93	369728	4.85	
72 4-Methyl-2-pentanone (MIBK)	43	6.435	6.437	-0.002	96	458647	10.2	
73 Toluene	91	6.624	6.626	-0.002	98	1132310	5.04	
74 trans-1,3-Dichloropropene	75	6.802	6.804	-0.002	89	310855	4.88	
75 Ethyl methacrylate	69	6.873	6.875	-0.002	88	296669	5.07	
76 1,1,2-Trichloroethane	97	6.967	6.970	-0.003	89	235302	5.16	
77 1,3-Dichloropropane	76	7.121	7.123	-0.002	91	400610	4.99	
78 Tetrachloroethene	164	7.133	7.135	-0.002	87	202364	4.99	
79 2-Hexanone	43	7.180	7.183	-0.003	95	291062	10.6	
81 Chlorodibromomethane	129	7.334	7.336	-0.002	88	222734	5.04	
83 Ethylene Dibromide	107	7.453	7.455	-0.002	97	223365	5.06	
85 Chlorobenzene	112	7.914	7.904	0.010	97	720708	5.07	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.975	-0.002	83	250128	5.07	
87 Ethylbenzene	106	8.009	8.011	-0.002	97	363350	5.11	
88 m-Xylene & p-Xylene	106	8.115	8.117	-0.002	99	905853	10.0	
89 o-Xylene	106	8.494	8.496	-0.002	90	452959	5.12	
90 Styrene	104	8.506	8.508	-0.002	92	709345	5.00	
91 Bromoform	173	8.683	8.685	-0.002	98	133051	4.97	
92 Isopropylbenzene	105	8.849	8.851	-0.002	94	992795	4.99	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.111	-0.002	87	294932	4.95	
96 Bromobenzene	156	9.145	9.147	-0.002	91	293754	4.94	
97 1,2,3-Trichloropropane	110	9.156	9.159	-0.003	74	94024	4.88	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.170	-0.002	64	51883	4.37	
99 N-Propylbenzene	120	9.239	9.241	-0.002	98	258545	4.92	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	97	261247	4.94	
101 1,3,5-Trimethylbenzene	105	9.417	9.407	0.010	93	804267	4.96	
102 4-Chlorotoluene	126	9.440	9.431	0.009	96	283249	5.03	
103 tert-Butylbenzene	119	9.736	9.738	-0.002	89	647284	4.87	
104 1,2,4-Trimethylbenzene	105	9.784	9.786	-0.002	85	831957	4.97	
105 sec-Butylbenzene	105	9.949	9.951	-0.002	92	828824	4.89	
106 1,3-Dichlorobenzene	146	10.068	10.070	-0.002	97	515050	4.83	
107 4-Isopropyltoluene	119	10.091	10.093	-0.002	97	706275	4.96	
108 1,4-Dichlorobenzene	146	10.150	10.153	-0.003	96	573628	4.99	
110 n-Butylbenzene	91	10.494	10.496	-0.002	95	549686	4.87	
111 1,2-Dichlorobenzene	146	10.517	10.519	-0.002	98	534538	5.01	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.289	-0.003	69	47356	4.71	
113 1,3,5-Trichlorobenzene	180	11.511	11.513	-0.002	97	291118	4.89	
114 1,2,4-Trichlorobenzene	180	12.126	12.129	-0.003	93	274305	5.06	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	92	110766	4.78	
116 Naphthalene	128	12.375	12.377	-0.002	100	773873	4.68	
117 1,2,3-Trichlorobenzene	180	12.623	12.626	-0.003	99	283525	4.84	
S 119 Trihalomethanes, Total	1				0		19.9	
S 120 1,2-Dichloroethene, Total	96				0		10.0	
S 121 1,3-Dichloropropene, Total	75				0		9.73	
S 122 Xylenes, Total	106				0		15.2	

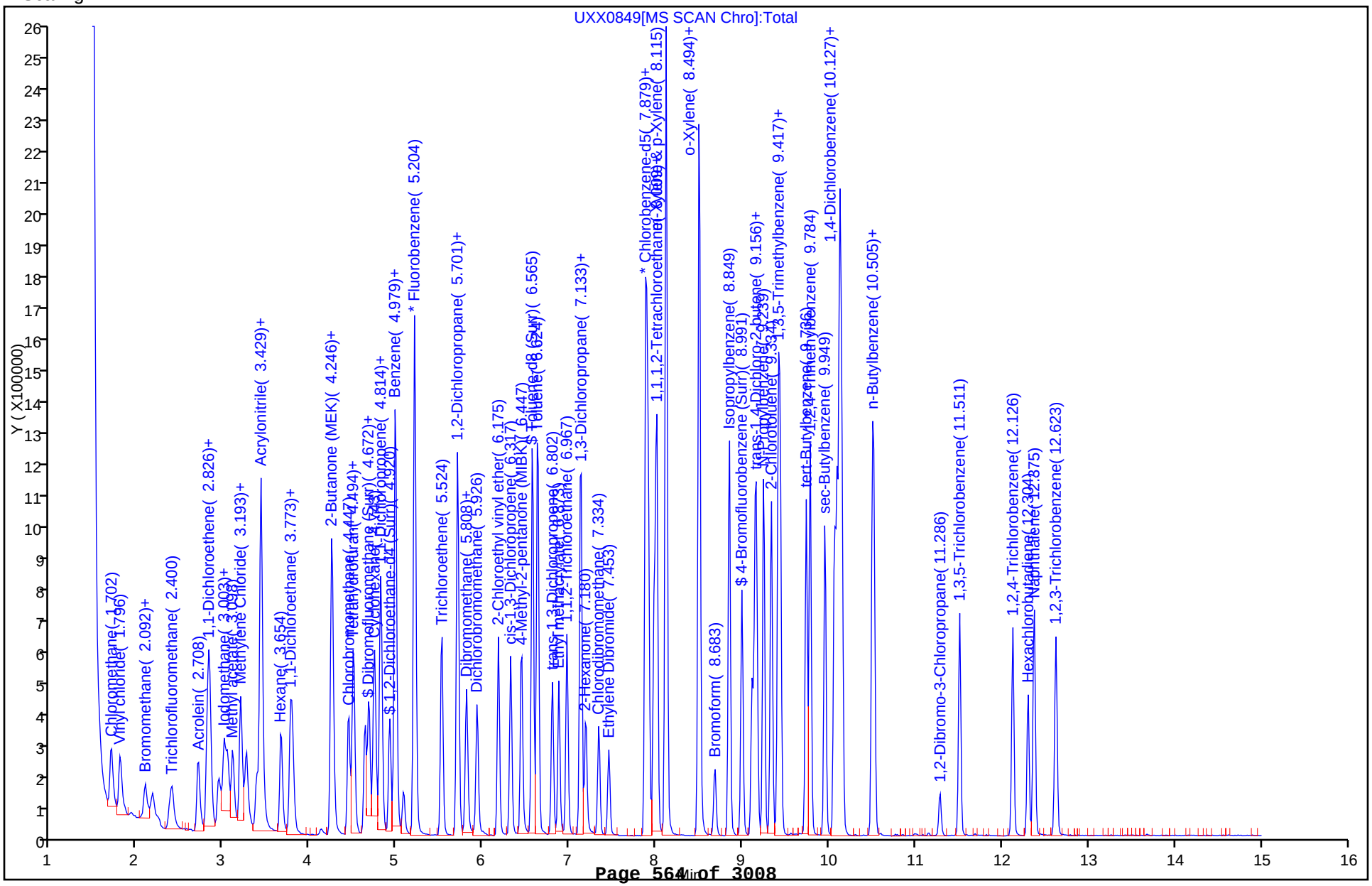
Report Date: 14-Nov-2012 12:22:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0849.D

Injection Date:	12-Nov-2012 16:17:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	5
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0850.D
Lims ID: STD8260 L2 Client ID:
Inject. Date: 12-Nov-2012 16:40:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014871-006
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 64678 Lims Sample ID: 6
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:22:57 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.205	5.207	-0.001	99	1740672	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.881	-0.002	83	1184519	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.129	-0.002	94	617764	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.637	4.627	0.010	55	95558	2.00	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.921	4.923	-0.001	0	115392	2.06	
$ 7 Toluene-d8 (Surr)	98	6.565	6.567	-0.002	92	359210	1.93	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	87	120897	1.96	
12 Dichlorodifluoromethane	85	1.560	1.562	-0.002	78	70486	2.03	
13 Chloromethane	50	1.690	1.704	-0.014	98	156281	2.34	
14 Vinyl chloride	62	1.797	1.799	-0.002	91	112499	2.12	
16 Bromomethane	94	2.093	2.094	-0.002	83	56470	2.28	
17 Chloroethane	64	2.175	2.177	-0.002	87	58980	2.30	
19 Trichlorofluoromethane	101	2.388	2.390	-0.002	86	76738	2.00	
21 Acrolein	56	2.696	2.698	-0.002	92	123569	20.0	
23 1,1-Dichloroethene	96	2.814	2.816	-0.002	95	84658	1.99	
24 Acetone	43	2.826	2.828	-0.002	88	69478	3.76	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.838	2.840	-0.002	87	65909	2.04	
26 Iodomethane	142	2.933	2.935	-0.002	96	161277	2.23	
27 Carbon disulfide	76	3.004	3.006	-0.002	96	273875	2.03	
28 Acetonitrile	41	3.051	3.053	-0.002	99	120215	19.9	
30 Methyl acetate	43	3.098	3.100	-0.002	95	172767	4.25	
31 Methylene Chloride	84	3.193	3.195	-0.002	85	132313	2.20	
32 2-Methyl-2-propanol	59	3.264	3.266	-0.002	95	153465	43.6	
33 Acrylonitrile	53	3.382	3.384	-0.002	96	80637	3.95	
35 Methyl tert-butyl ether	73	3.430	3.432	-0.002	88	305714	2.02	
34 trans-1,2-Dichloroethene	96	3.430	3.432	-0.002	62	106452	2.04	
36 Hexane	86	3.654	3.656	-0.002	90	17904	2.15	
37 1,1-Dichloroethane	63	3.773	3.775	-0.002	93	183164	2.06	
38 Vinyl acetate	86	3.796	3.798	-0.002	97	16843	1.82	
42 2-Butanone (MEK)	43	4.246	4.236	0.010	61	95911	4.19	
43 cis-1,2-Dichloroethene	96	4.246	4.248	-0.002	81	117608	2.03	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.258	4.260	-0.002	79	104223	2.05	
48 Chlorobromomethane	128	4.447	4.449	-0.002	82	57430	2.04	
49 Tetrahydrofuran	42	4.495	4.485	0.010	80	44131	2.10	
50 Chloroform	83	4.495	4.497	-0.002	90	186053	2.08	
51 1,1,1-Trichloroethane	97	4.684	4.674	0.010	90	125449	2.04	
52 Cyclohexane	56	4.743	4.745	-0.002	88	136757	1.97	
53 1,1-Dichloropropene	75	4.814	4.804	0.010	93	124802	1.98	
54 Carbon tetrachloride	117	4.826	4.816	0.010	80	100798	2.04	
56 1,2-Dichloroethane	62	4.980	4.982	-0.002	53	135372	2.10	
57 Benzene	78	4.980	4.982	-0.002	94	443302	2.02	
61 Trichloroethene	130	5.524	5.514	0.010	94	110526	2.05	
63 Methylcyclohexane	83	5.702	5.703	-0.001	83	108692	1.90	
64 1,2-Dichloropropane	63	5.702	5.703	-0.001	87	104320	2.05	
66 Dibromomethane	93	5.808	5.798	0.010	88	61839	2.10	
67 1,4-Dioxane	88	5.808	5.810	-0.002	86	60682	108.3	
68 Dichlorobromomethane	83	5.926	5.928	-0.002	96	123061	2.04	
70 2-Chloroethyl vinyl ether	63	6.175	6.177	-0.002	88	105614	3.66	
71 cis-1,3-Dichloropropene	75	6.317	6.319	-0.002	90	144437	1.94	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.437	0.010	94	175491	3.97	
73 Toluene	91	6.624	6.626	-0.002	97	451655	2.02	
74 trans-1,3-Dichloropropene	75	6.802	6.804	-0.002	85	121296	1.92	
75 Ethyl methacrylate	69	6.873	6.875	-0.002	84	107493	1.85	
76 1,1,2-Trichloroethane	97	6.968	6.970	-0.002	88	94427	2.09	
77 1,3-Dichloropropane	76	7.121	7.123	-0.002	91	165969	2.08	
78 Tetrachloroethene	164	7.133	7.135	-0.002	94	82786	2.05	
79 2-Hexanone	43	7.181	7.183	-0.002	96	107859	3.94	
81 Chlorodibromomethane	129	7.334	7.336	-0.002	87	85958	1.96	
83 Ethylene Dibromide	107	7.453	7.455	-0.002	95	87936	2.00	
85 Chlorobenzene	112	7.914	7.904	0.010	96	280902	1.99	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.975	-0.002	82	96510	1.97	
87 Ethylbenzene	106	8.009	8.011	-0.002	97	135894	1.92	
88 m-Xylene & p-Xylene	106	8.115	8.117	-0.002	99	344119	3.84	
89 o-Xylene	106	8.494	8.496	-0.002	90	168969	1.92	
90 Styrene	104	8.506	8.508	-0.002	91	258133	1.83	
91 Bromoform	173	8.683	8.685	-0.002	96	50285	1.89	
92 Isopropylbenzene	105	8.849	8.851	-0.002	93	376054	1.90	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.111	-0.002	95	119752	2.08	
96 Bromobenzene	156	9.145	9.147	-0.002	91	114972	2.00	
97 1,2,3-Trichloropropane	110	9.157	9.159	-0.002	66	40695	2.19	
98 trans-1,4-Dichloro-2-butene	53	9.169	9.170	-0.001	57	17898	1.89	
99 N-Propylbenzene	120	9.240	9.241	-0.001	97	101816	2.00	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	97	105949	2.07	
101 1,3,5-Trimethylbenzene	105	9.417	9.407	0.010	93	297581	1.90	
102 4-Chlorotoluene	126	9.441	9.431	0.010	96	113179	2.08	
103 tert-Butylbenzene	119	9.736	9.738	-0.002	89	247676	1.93	
104 1,2,4-Trimethylbenzene	105	9.784	9.786	-0.002	85	316517	1.95	
105 sec-Butylbenzene	105	9.949	9.951	-0.002	89	315856	1.93	
106 1,3-Dichlorobenzene	146	10.068	10.070	-0.002	93	218816	2.12	
107 4-Isopropyltoluene	119	10.091	10.093	-0.002	96	267048	1.94	
108 1,4-Dichlorobenzene	146	10.151	10.153	-0.002	89	236109	2.13	
110 n-Butylbenzene	91	10.494	10.496	-0.002	97	212137	1.95	
111 1,2-Dichlorobenzene	146	10.517	10.519	-0.002	98	220774	2.14	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.289	-0.002	60	21622	2.23	
113 1,3,5-Trichlorobenzene	180	11.511	11.513	-0.002	95	130259	2.27	
114 1,2,4-Trichlorobenzene	180	12.127	12.129	-0.002	90	119798	2.29	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	91	51657	2.05	
116 Naphthalene	128	12.375	12.377	-0.002	100	334220	2.09	
117 1,2,3-Trichlorobenzene	180	12.624	12.626	-0.002	98	128490	2.27	
S 119 Trihalomethanes, Total	1				0		7.97	
S 120 1,2-Dichloroethene, Total	96				0		4.07	
S 121 1,3-Dichloropropene, Total	75				0		3.86	
S 122 Xylenes, Total	106				0		5.76	

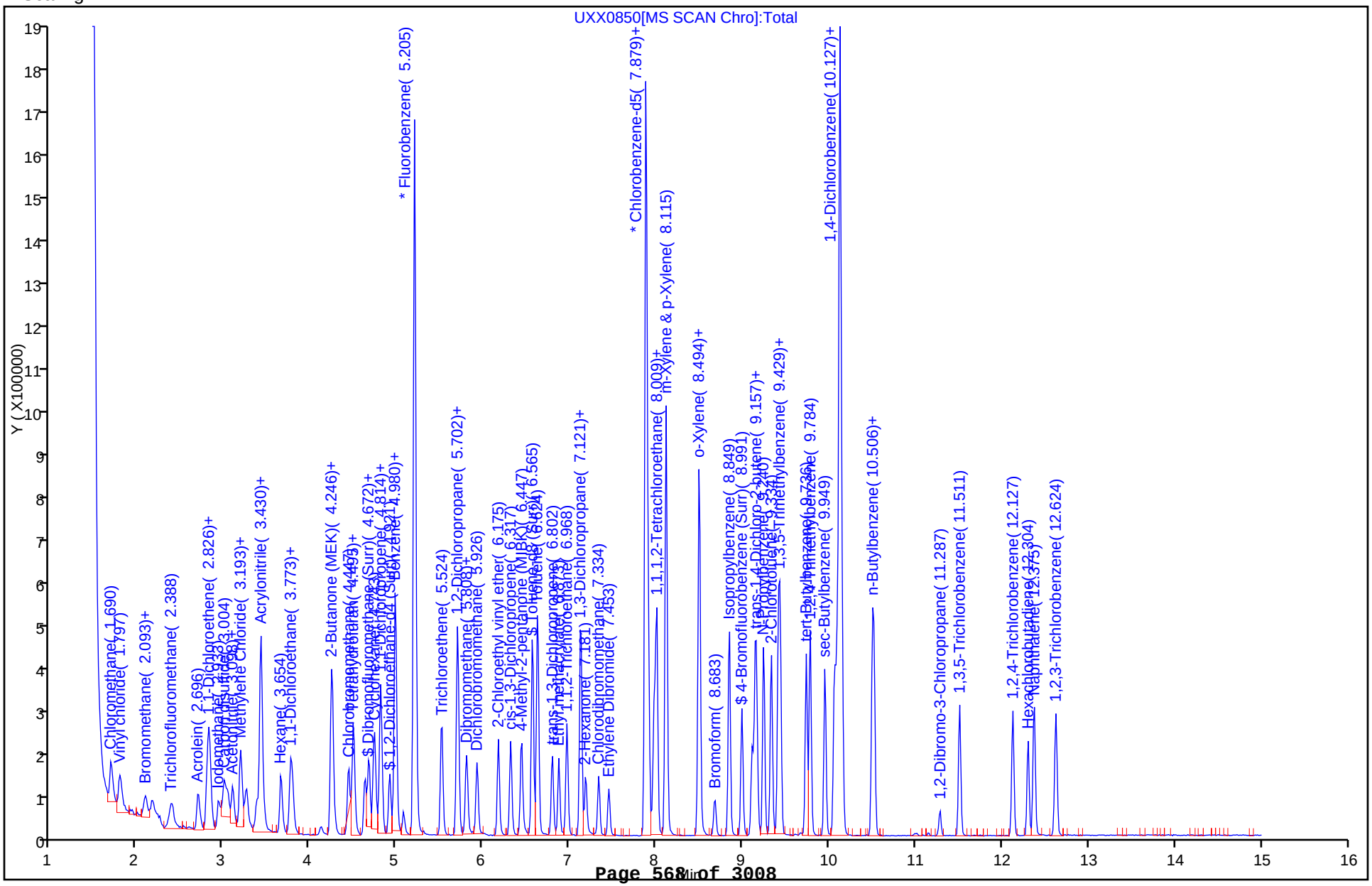
Report Date: 14-Nov-2012 12:22:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0850.D

Injection Date:	12-Nov-2012 16:40:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0851.D
Lims ID: STD8260 L1 Client ID:
Inject. Date: 12-Nov-2012 17:02:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014871-007
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 64678 Lims Sample ID: 7
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:22:58 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.207	0.001	99	1743563	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	83	1165603	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	0.0	93	596320	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.627	4.627	0.0	51	47796	1.00	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.923	4.923	0.001	0	55605	0.99	
$ 7 Toluene-d8 (Surr)	98	6.567	6.567	0.0	91	176027	0.9595	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	83	58658	0.9668	
12 Dichlorodifluoromethane	85	1.562	1.562	0.0	67	34671	1.00	
13 Chloromethane	50	1.704	1.704	0.0	96	77442	1.16	
14 Vinyl chloride	62	1.799	1.799	0.0	85	54815	1.03	
16 Bromomethane	94	2.094	2.094	0.0	81	28264	1.14	
17 Chloroethane	64	2.177	2.177	0.0	59	28099	1.10	
19 Trichlorofluoromethane	101	2.390	2.390	0.0	78	38147	0.99	
21 Acrolein	56	2.710	2.698	0.012	88	65268	10.6	
23 1,1-Dichloroethene	96	2.804	2.816	-0.012	92	44690	1.05	
24 Acetone	43	2.828	2.828	0.0	86	44960	1.78	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.840	2.840	0.0	71	31497	0.9748	
26 Iodomethane	142	2.946	2.935	0.011	95	76830	1.06	
27 Carbon disulfide	76	3.006	3.006	0.0	97	136745	1.01	
28 Acetonitrile	41	3.053	3.053	0.0	99	65625	9.44	
30 Methyl acetate	43	3.100	3.100	0.0	94	89933	2.21	
31 Methylene Chloride	84	3.195	3.195	0.0	86	72627	1.21	
32 2-Methyl-2-propanol	59	3.266	3.266	0.0	99	80525	22.8	
33 Acrylonitrile	53	3.384	3.384	0.0	93	42638	2.09	
35 Methyl tert-butyl ether	73	3.432	3.432	0.0	90	153912	1.01	
34 trans-1,2-Dichloroethene	96	3.432	3.432	0.0	63	52663	1.01	
36 Hexane	86	3.668	3.656	0.012	86	7645	0.9167	
37 1,1-Dichloroethane	63	3.775	3.775	0.0	84	94279	1.06	
38 Vinyl acetate	86	3.798	3.798	0.0	94	8334	0.9014	
42 2-Butanone (MEK)	43	4.248	4.236	0.012	66	51121	2.23	
43 cis-1,2-Dichloroethene	96	4.248	4.248	0.0	77	59877	1.03	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.260	4.260	0.0	69	52041	1.02	
48 Chlorobromomethane	128	4.449	4.449	0.0	72	30419	1.08	
49 Tetrahydrofuran	42	4.497	4.485	0.012	75	28303	1.15	
50 Chloroform	83	4.497	4.497	0.0	86	93846	1.05	
51 1,1,1-Trichloroethane	97	4.674	4.674	0.0	85	59884	0.9739	
52 Cyclohexane	56	4.745	4.745	0.0	86	68421	0.9820	
53 1,1-Dichloropropene	75	4.816	4.804	0.012	91	63924	1.01	
54 Carbon tetrachloride	117	4.816	4.816	0.0	82	48821	0.9843	
56 1,2-Dichloroethane	62	4.982	4.982	0.0	45	65431	1.01	
57 Benzene	78	4.982	4.982	0.0	94	233228	1.06	
61 Trichloroethene	130	5.526	5.514	0.012	87	57861	1.07	
63 Methylcyclohexane	83	5.704	5.703	0.001	82	53144	0.9253	
64 1,2-Dichloropropane	63	5.704	5.703	0.001	82	51313	1.01	
66 Dibromomethane	93	5.810	5.798	0.012	85	29978	1.02	
67 1,4-Dioxane	88	5.810	5.810	0.0	44	27535	55.1	
68 Dichlorobromomethane	83	5.928	5.928	0.0	94	57623	0.9530	
70 2-Chloroethyl vinyl ether	63	6.177	6.177	0.0	82	50671	1.75	
71 cis-1,3-Dichloropropene	75	6.319	6.319	0.0	83	66977	0.8973	
72 4-Methyl-2-pentanone (MIBK)	43	6.437	6.437	0.0	92	87243	1.97	
73 Toluene	91	6.626	6.626	0.0	97	217546	0.9898	
74 trans-1,3-Dichloropropene	75	6.804	6.804	0.0	87	56453	0.9066	
75 Ethyl methacrylate	69	6.875	6.875	0.0	84	48665	0.8506	
76 1,1,2-Trichloroethane	97	6.970	6.970	0.0	84	46213	1.04	
77 1,3-Dichloropropane	76	7.123	7.123	0.0	87	81372	1.04	
78 Tetrachloroethene	164	7.135	7.135	0.0	85	41923	1.06	
79 2-Hexanone	43	7.183	7.183	0.0	91	49559	1.84	
81 Chlorodibromomethane	129	7.336	7.336	0.0	82	38720	0.8960	
83 Ethylene Dibromide	107	7.455	7.455	0.0	78	44106	1.02	
85 Chlorobenzene	112	7.904	7.904	0.0	92	142728	1.03	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.975	0.0	77	49287	1.02	
87 Ethylbenzene	106	8.011	8.011	0.0	96	63081	0.9074	
88 m-Xylene & p-Xylene	106	8.117	8.117	0.0	99	162535	1.84	
89 o-Xylene	106	8.496	8.496	0.0	90	79587	0.9203	
90 Styrene	104	8.496	8.508	-0.012	89	117552	0.8470	
91 Bromoform	173	8.685	8.685	0.0	85	23746	0.9078	
92 Isopropylbenzene	105	8.851	8.851	0.0	93	175027	0.9008	
95 1,1,2,2-Tetrachloroethane	83	9.111	9.111	0.0	85	59590	1.07	
96 Bromobenzene	156	9.147	9.147	0.0	88	54065	0.9739	
97 1,2,3-Trichloropropane	110	9.159	9.159	0.0	65	18732	1.04	
98 trans-1,4-Dichloro-2-butene	53	9.171	9.170	0.0	51	9151	1.24	
99 N-Propylbenzene	120	9.242	9.241	0.001	94	44296	0.9031	
100 2-Chlorotoluene	126	9.336	9.336	0.0	96	47028	0.9540	
101 1,3,5-Trimethylbenzene	105	9.407	9.407	0.0	90	137475	0.9094	
102 4-Chlorotoluene	126	9.431	9.431	0.0	96	49320	0.9390	
103 tert-Butylbenzene	119	9.738	9.738	0.0	78	108234	0.8720	
104 1,2,4-Trimethylbenzene	105	9.786	9.786	0.0	89	138495	0.8860	
105 sec-Butylbenzene	105	9.951	9.951	0.0	85	148343	0.9380	
106 1,3-Dichlorobenzene	146	10.070	10.070	0.0	94	105483	1.06	
107 4-Isopropyltoluene	119	10.093	10.093	0.0	93	114936	0.8647	
108 1,4-Dichlorobenzene	146	10.153	10.153	0.0	90	114122	1.06	
110 n-Butylbenzene	91	10.496	10.496	0.0	93	95124	0.9040	
111 1,2-Dichlorobenzene	146	10.519	10.519	0.0	93	103573	1.04	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.289	11.289	0.0	37	9302	0.99	
113 1,3,5-Trichlorobenzene	180	11.513	11.513	0.0	89	60345	1.09	
114 1,2,4-Trichlorobenzene	180	12.129	12.129	0.0	79	52456	1.04	
115 Hexachlorobutadiene	225	12.306	12.306	0.0	82	24195	0.8043	
116 Naphthalene	128	12.365	12.377	-0.012	99	138144	0.8961	
117 1,2,3-Trichlorobenzene	180	12.626	12.626	0.0	94	57614	1.05	
S 119 Trihalomethanes, Total	1				0		3.80	
S 120 1,2-Dichloroethene, Total	96				0		2.04	
S 121 1,3-Dichloropropene, Total	75				0		1.80	
S 122 Xylenes, Total	106				0		2.76	

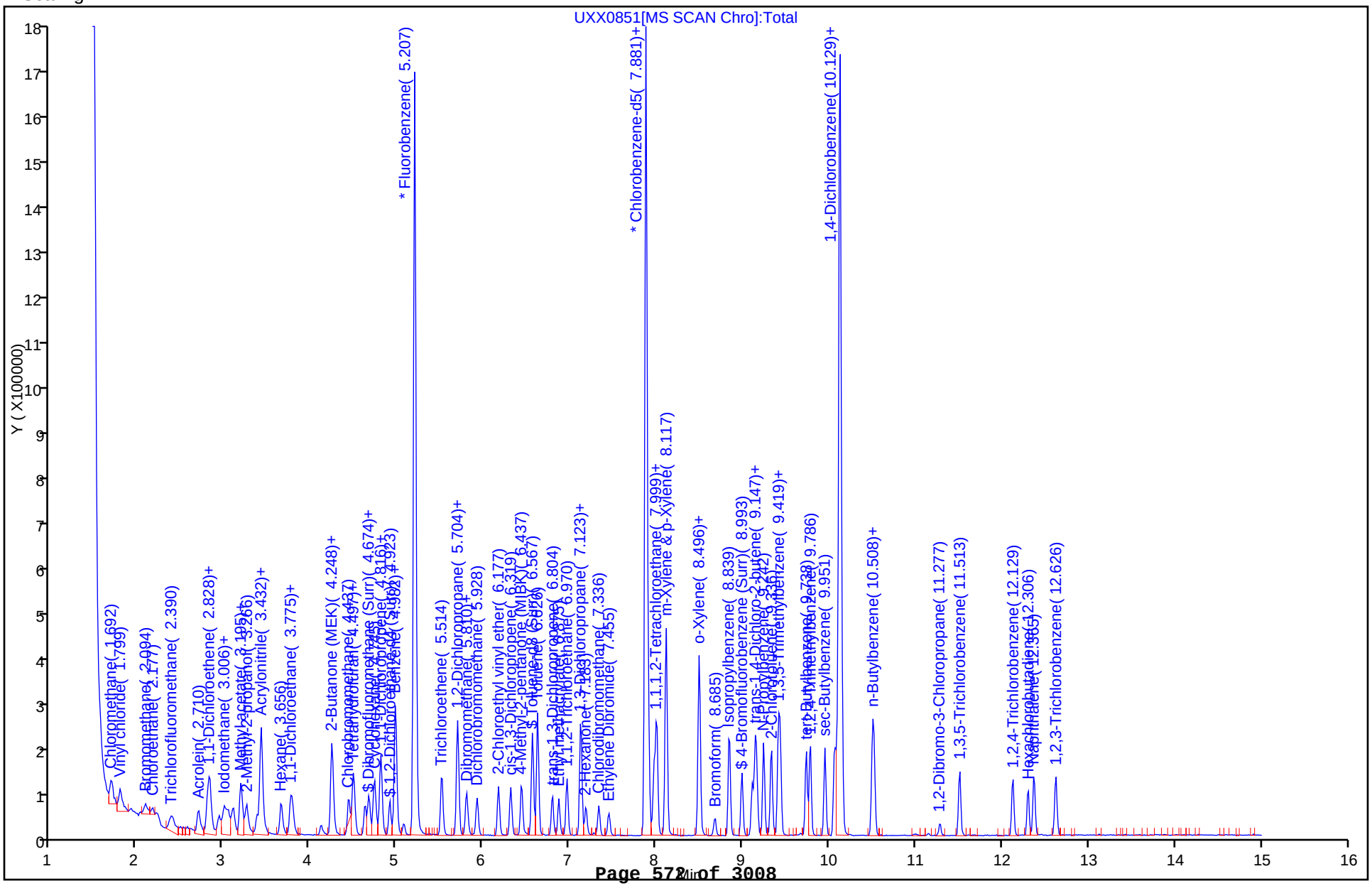
Report Date: 14-Nov-2012 12:22:58 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0851.D

Injection Date:	12-Nov-2012 17:02:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	7
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 17:24 Calibration End Date: 11/12/2012 19:16 Calibration ID: 12293

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-64678/13	UXX0857.D
Level 2	STDA9 240-64678/12	UXX0856.D
Level 3	STDA9 240-64678/11	UXX0855.D
Level 4	STDA9 240-64678/10	UXX0854.D
Level 5	STDA9 240-64678/9	UXX0853.D
Level 6	STDA9 240-64678/8	UXX0852.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	0.4820 0.3960	0.4881	0.4094	0.3861	0.4061	Ave		0.4280				11.0		15.0			
Ethyl ether	0.2464 0.2460	0.2704	0.2574	0.2436	0.2508	Ave		0.2524				4.0		15.0			
3-Chloro-1-propene	0.1463 0.1615	0.1640	0.1489	0.1462	0.1583	Ave		0.1542				5.2		15.0			
Isopropyl ether	0.2734 0.3044	0.2919	0.2900	0.2782	0.2967	Ave		0.2891				4.0		15.0			
2-Chloro-1,3-butadiene	0.3936 0.4156	0.4157	0.4169	0.3934	0.4171	Ave		0.4087				2.9		15.0			
Tert-butyl ethyl ether	0.8271 0.8941	0.8690	0.8655	0.8307	0.8866	Ave		0.8622				3.2		15.0			
Propionitrile	0.0372 0.0424	0.0411	0.0402	0.0409	0.0400	Ave		0.0403				4.3		15.0			
Ethyl acetate	0.2670 0.2681	0.2539	0.2565	0.2522	0.2647	Ave		0.2604				2.7		15.0			
Methacrylonitrile	0.1718 0.1761	0.1669	0.1710	0.1707	0.1769	Ave		0.1722				2.2		15.0			
Isobutyl alcohol	0.0121 0.0124	0.0145	0.0139	0.0132	0.0132	Ave		0.0132				6.7		15.0			
Tert-amyl methyl ether	0.7160 0.8471	0.7448	0.7861	0.7709	0.8222	Ave		0.7812				6.2		15.0			
n-Heptane	0.0413 0.0405	0.0433	0.0442	0.0415	0.0432	Ave		0.0424				3.4		15.0			
n-Butanol	0.0097 0.0108	0.0112	0.0112	0.0118	0.0124	Ave		0.0112				8.2		15.0			
Methyl methacrylate	0.1958 0.2339	0.1965	0.2057	0.2090	0.2260	Ave		0.2112				7.4		15.0			
2-Nitropropane	0.0431 0.0564	0.0461	0.0467	0.0460	0.0529	Ave		0.0485				10.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 17:24 Calibration End Date: 11/12/2012 19:16 Calibration ID: 12293

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.1010 0.0958	0.1154	0.1132	0.1208	0.1173	Ave		0.1106				8.9		15.0			
1,2,3-Trimethylbenzene	2.2775 3.0396	2.5201	2.7349	2.7663	3.1094	Ave		2.7413				11.0		15.0			
2-Methylnaphthalene	1.1719 +++++	1.5195	1.5032	1.4987	1.2007	Ave		1.3788				13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 17:24 Calibration End Date: 11/12/2012 19:16 Calibration ID: 12293

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-64678/13	UXX0857.D
Level 2	STDA9 240-64678/12	UXX0856.D
Level 3	STDA9 240-64678/11	UXX0855.D
Level 4	STDA9 240-64678/10	UXX0854.D
Level 5	STDA9 240-64678/9	UXX0853.D
Level 6	STDA9 240-64678/8	UXX0852.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	80460 2850971	164725	356024	712254	1482330	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl ether	FB	Ave	41138 1771077	91256	223860	449359	915505	1.00 40.0	2.00	5.00	10.0	20.0
3-Chloro-1-propene	FB	Ave	24425 1162812	55345	129440	269645	577928	1.00 40.0	2.00	5.00	10.0	20.0
Isopropyl ether	FB	Ave	228181 10955114	492531	1260700	2565660	5414567	5.00 200	10.0	25.0	50.0	100
2-Chloro-1,3-butadiene	FB	Ave	65705 2991997	140291	362511	725705	1522542	1.00 40.0	2.00	5.00	10.0	20.0
Tert-butyl ethyl ether	FB	Ave	138066 6436168	293270	752623	1532406	3236247	1.00 40.0	2.00	5.00	10.0	20.0
Propionitrile	FB	Ave	12432 610118	27715	69934	150931	292320	2.00 80.0	4.00	10.0	20.0	40.0
Ethyl acetate	FB	Ave	89127 3860208	171365	446141	930357	1932724	2.00 80.0	4.00	10.0	20.0	40.0
Methacrylonitrile	FB	Ave	28684 1267693	56328	148682	314882	645704	1.00 40.0	2.00	5.00	10.0	20.0
Isobutyl alcohol	CBZ	Ave	26069 1171509	63194	159758	320091	622869	20.0 800	40.0	100	200	400
Tert-amyl methyl ether	FB	Ave	119519 6097885	251377	683604	1421979	3001391	1.00 40.0	2.00	5.00	10.0	20.0
n-Heptane	FB	Ave	6900 291851	14617	38476	76535	157782	1.00 40.0	2.00	5.00	10.0	20.0
n-Butanol	CBZ	Ave	20848 1022178	48741	128789	285095	583521	20.0 800	40.0	100	200	400
Methyl methacrylate	FB	Ave	32693 1684004	66318	178849	385468	825080	1.00 40.0	2.00	5.00	10.0	20.0
2-Nitropropane	FB	Ave	14400 811606	31128	81277	169611	386536	2.00 80.0	4.00	10.0	20.0	40.0
Cyclohexanone	DCB	Ave	53736 2293716	128051	322361	730245	1427988	10.0 400	20.0	50.0	100	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 17:24 Calibration End Date: 11/12/2012 19:16 Calibration ID: 12293

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,3-Trimethylbenzene	DCB	Ave	121230 7276258	279664	779019	1672368	3786861	1.00 40.0	2.00	5.00	10.0	20.0
2-Methylnaphthalene	DCB	Ave	124754 +++++	337237	856345	1812094	2924495	2.00 +++++	4.00	10.0	20.0	40.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0852.D		
Lims ID:	STDA9 L6	Client ID:	
Inject. Date:	12-Nov-2012 17:24:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014871-008		
Misc. Info.:	P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	7
Lims Batch ID:	64678	Lims Sample ID:	8
Sublist:	chrom-8260_10*sub2		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m		
Last Update:	14-Nov-2012 12:22:59	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		
First Level Reviewer: quayler		Date:	13-Nov-2012 08:45:28

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.207	-0.002	98	1799703	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.881	-0.003	84	1178574	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	93	598446	10.0	
18 Dichlorofluoromethane	67	2.328	2.329	-0.001	98	2850971	37.0	
20 Ethyl ether	59	2.600	2.601	-0.001	88	1771077	39.0	
29 3-Chloro-1-propene	76	3.097	3.098	-0.001	94	1162812	41.9	
39 Isopropyl ether	87	3.819	3.820	-0.001	78	10955114	210.6	
40 2-Chloro-1,3-butadiene	53	3.855	3.855	0.0	81	2991997	40.7	
41 Tert-butyl ethyl ether	59	4.115	4.127	-0.012	97	6436168	41.5	
45 Propionitrile	54	4.281	4.281	0.0	97	610118	84.1	
46 Ethyl acetate	43	4.281	4.293	-0.012	99	3860208	82.4	
47 Methacrylonitrile	41	4.411	4.411	0.0	92	1267693	40.9	
55 Isobutyl alcohol	41	4.849	4.849	0.0	95	1171509	752.3	
58 Tert-amyl methyl ether	73	5.062	5.062	0.0	99	6097885	43.4	
59 n-Heptane	100	5.192	5.192	0.0	94	291851	38.3	
60 n-Butanol	56	5.405	5.405	0.0	87	1022178	776.8	
65 Methyl methacrylate	41	5.783	5.784	-0.001	89	1684004	44.3	
69 2-Nitropropane	41	6.115	6.115	0.0	97	811606	92.9	
80 n-Butyl acetate	56	7.298	7.299	-0.001	97	2510793	0	
94 Cyclohexanone	55	8.931	8.932	-0.001	90	2293716	346.7	
109 1,2,3-Trimethylbenzene	105	10.197	10.198	-0.001	98	7276258	44.4	
118 2-Methylnaphthalene	142	13.676	13.677	-0.001	100	2458220	29.8	

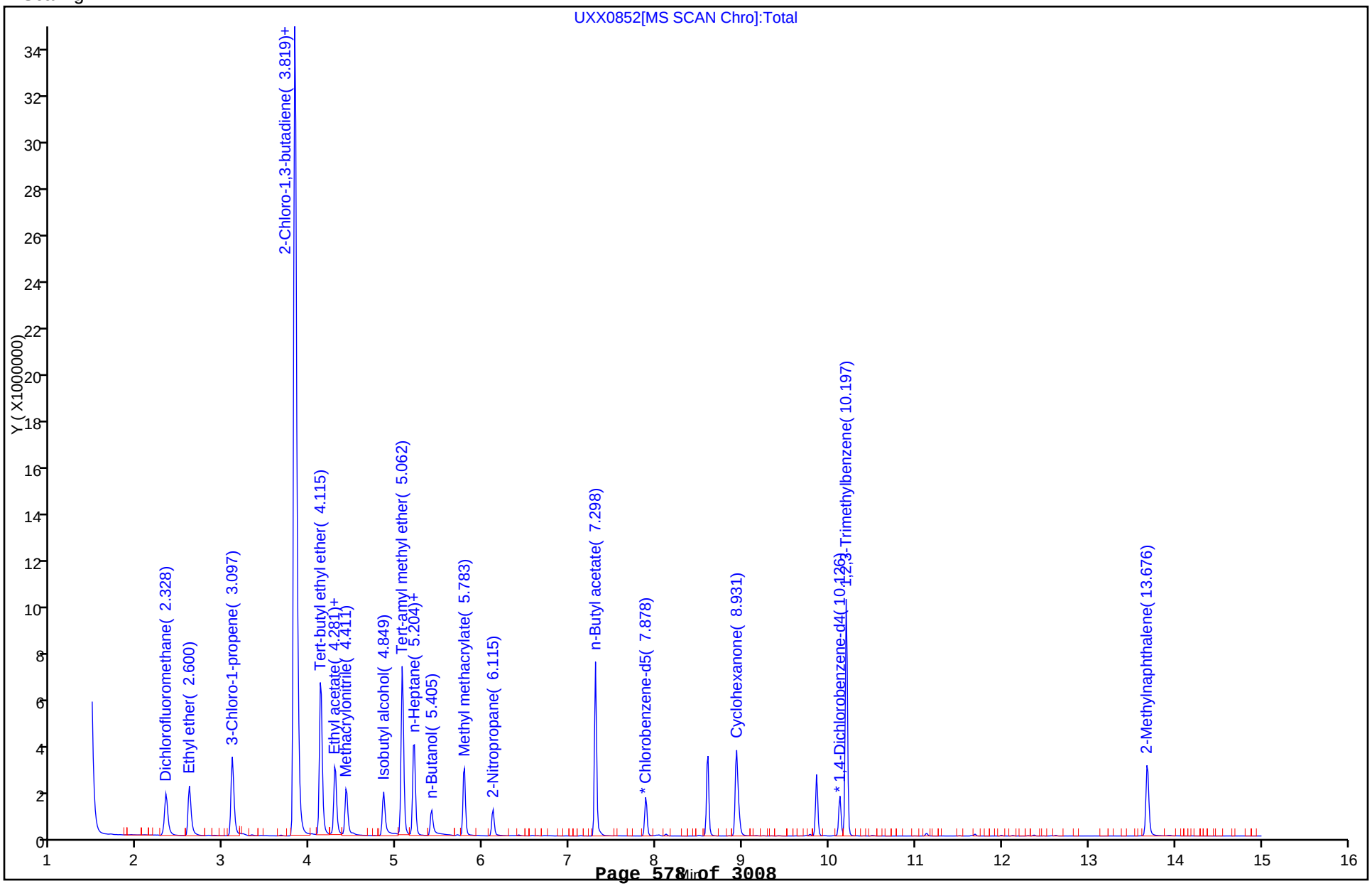
Report Date: 14-Nov-2012 12:22:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0852.D

Injection Date:	12-Nov-2012 17:24:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	8
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0853.D		
Lims ID:	STDA9 L5	Client ID:	
Inject. Date:	12-Nov-2012 17:46:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014871-009		
Misc. Info.:	P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	8
Lims Batch ID:	64678	Lims Sample ID:	9
Sublist:	chrom-8260_10*sub2		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m		
Last Update:	14-Nov-2012 12:23:00	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.207	0.001	98	1825158	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	82	1180628	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.130	10.129	0.001	93	608930	10.0	
18 Dichlorofluoromethane	67	2.332	2.329	0.003	83	1482330	19.0	
20 Ethyl ether	59	2.604	2.601	0.003	88	915505	19.9	
29 3-Chloro-1-propene	76	3.101	3.098	0.003	92	577928	20.5	
39 Isopropyl ether	87	3.823	3.820	0.003	96	5414567	102.6	
40 2-Chloro-1,3-butadiene	53	3.846	3.855	-0.009	86	1522542	20.4	
41 Tert-butyl ethyl ether	59	4.118	4.127	-0.009	97	3236247	20.6	
45 Propionitrile	54	4.284	4.281	0.003	99	292320	39.7	
46 Ethyl acetate	43	4.284	4.293	-0.009	99	1932724	40.7	
47 Methacrylonitrile	41	4.414	4.411	0.003	92	645704	20.5	
55 Isobutyl alcohol	41	4.840	4.849	-0.009	94	622869	399.3	
58 Tert-amyl methyl ether	73	5.065	5.062	0.003	98	3001391	21.1	
59 n-Heptane	100	5.195	5.192	0.003	91	157782	20.4	
60 n-Butanol	56	5.396	5.405	-0.009	89	583521	442.7	
65 Methyl methacrylate	41	5.775	5.784	-0.009	90	825080	21.4	
69 2-Nitropropane	41	6.106	6.115	-0.009	98	386536	43.6	
80 n-Butyl acetate	56	7.302	7.299	0.003	97	1224701	0	
94 Cyclohexanone	55	8.923	8.932	-0.009	91	1427988	212.1	
109 1,2,3-Trimethylbenzene	105	10.201	10.198	0.003	98	3786861	22.7	
118 2-Methylnaphthalene	142	13.679	13.677	0.002	100	2924495	34.8	

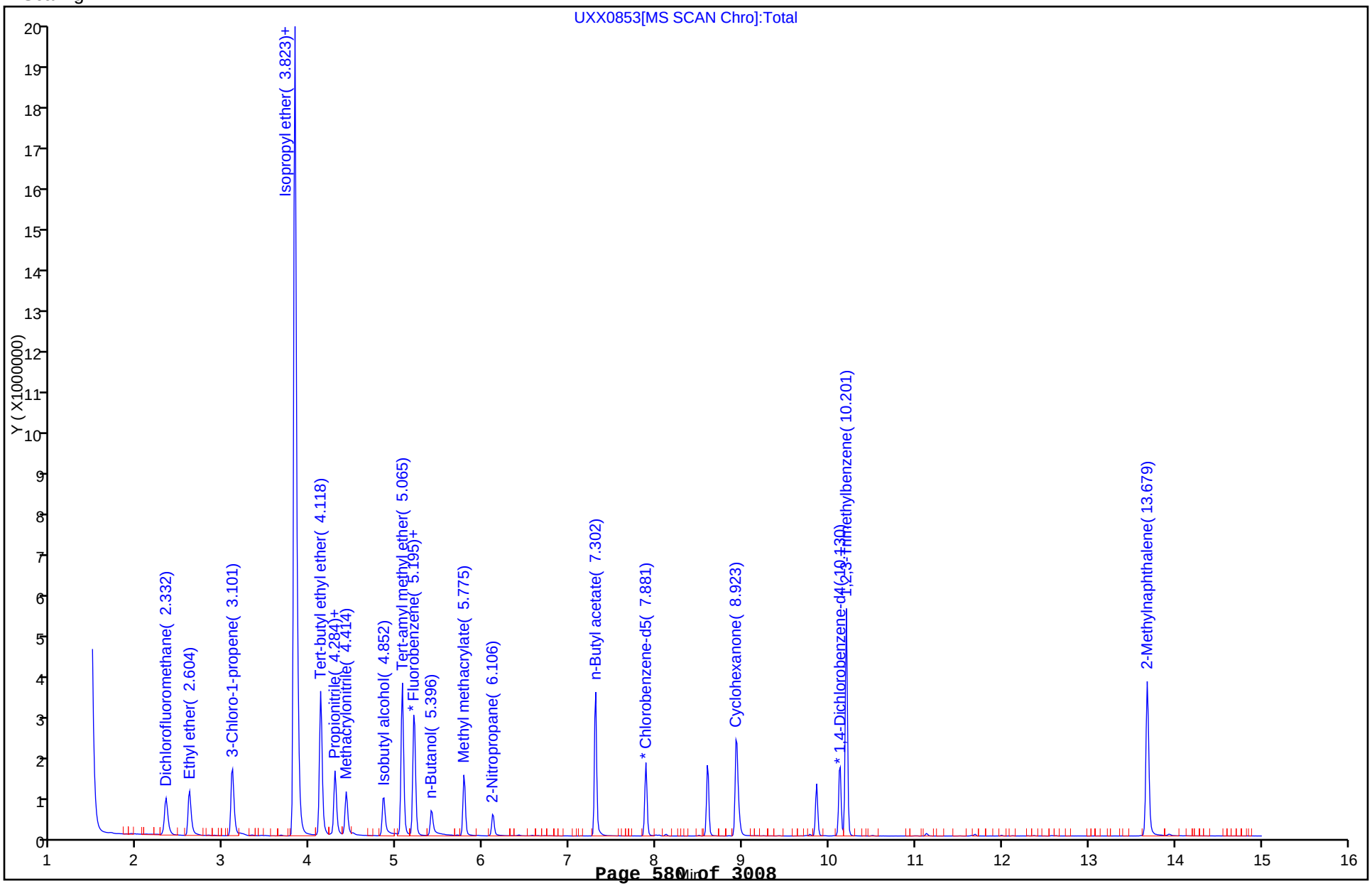
Report Date: 14-Nov-2012 12:23:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0853.D

Injection Date:	12-Nov-2012 17:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	9
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0854.D
Lims ID: STDA9 L4 Client ID:
Inject. Date: 12-Nov-2012 18:09:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014871-010
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 64678 Lims Sample ID: 10
Sublist: chrom-8260_10*sub2
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:23:00 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	98	1844671	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.878	0.0	84	1211006	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	93	604557	10.0	
18 Dichlorofluoromethane	67	2.329	2.329	0.0	97	712254	9.02	
20 Ethyl ether	59	2.601	2.601	0.0	89	449359	9.65	
29 3-Chloro-1-propene	76	3.098	3.098	0.0	92	269645	9.48	
39 Isopropyl ether	87	3.820	3.820	0.0	95	2565660	48.1	
40 2-Chloro-1,3-butadiene	53	3.855	3.855	0.0	74	725705	9.63	
41 Tert-butyl ethyl ether	59	4.127	4.127	0.0	97	1532406	9.64	
45 Propionitrile	54	4.281	4.281	0.0	95	150931	20.3	
46 Ethyl acetate	43	4.293	4.293	0.0	99	930357	19.4	
47 Methacrylonitrile	41	4.411	4.411	0.0	91	314882	9.91	
55 Isobutyl alcohol	41	4.849	4.849	0.0	94	320091	200.1	
58 Tert-amyl methyl ether	73	5.062	5.062	0.0	98	1421979	9.87	
59 n-Heptane	100	5.192	5.192	0.0	90	76535	9.80	
60 n-Butanol	56	5.405	5.405	0.0	87	285095	210.9	
65 Methyl methacrylate	41	5.784	5.784	0.0	89	385468	9.90	
69 2-Nitropropane	41	6.115	6.115	0.0	97	169611	18.9	
80 n-Butyl acetate	56	7.299	7.299	0.0	97	558077	0	
94 Cyclohexanone	55	8.932	8.932	0.0	90	730245	109.2	
109 1,2,3-Trimethylbenzene	105	10.198	10.198	0.0	98	1672368	10.1	
118 2-Methylnaphthalene	142	13.677	13.677	0.0	100	1812094	21.7	

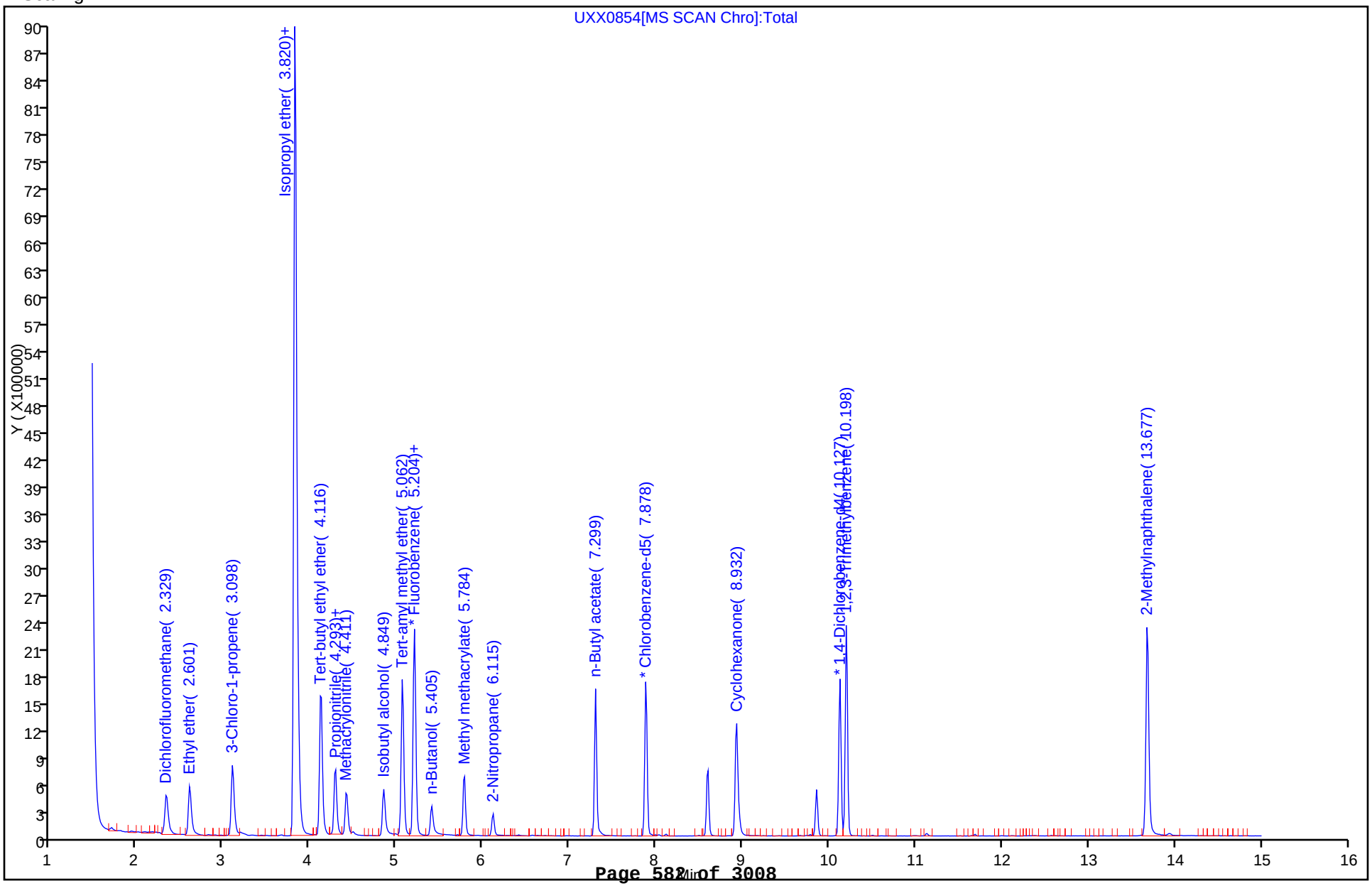
Report Date: 14-Nov-2012 12:23:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0854.D

Injection Date:	12-Nov-2012 18:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	10
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0855.D
Lims ID: STDA9 L3 Client ID:
Inject. Date: 12-Nov-2012 18:31:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014871-011
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 10
Lims Batch ID: 64678 Lims Sample ID: 11
Sublist: chrom-8260_10*sub2
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:23:01 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	98	1739128	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.878	0.0	83	1150642	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	94	569678	10.0	
18 Dichlorofluoromethane	67	2.328	2.329	-0.001	82	356024	4.78	
20 Ethyl ether	59	2.601	2.601	0.0	88	223860	5.10	
29 3-Chloro-1-propene	76	3.098	3.098	0.0	91	129440	4.83	
39 Isopropyl ether	87	3.819	3.820	-0.001	94	1260700	25.1	
40 2-Chloro-1,3-butadiene	53	3.855	3.855	0.0	89	362511	5.10	
41 Tert-butyl ethyl ether	59	4.115	4.127	-0.012	97	752623	5.02	
45 Propionitrile	54	4.281	4.281	0.0	39	69934	9.98	
46 Ethyl acetate	43	4.293	4.293	0.0	99	446141	9.85	
47 Methacrylonitrile	41	4.411	4.411	0.0	90	148682	4.96	
55 Isobutyl alcohol	41	4.849	4.849	0.0	92	159758	105.1	
58 Tert-amyl methyl ether	73	5.062	5.062	0.0	97	683604	5.03	
59 n-Heptane	100	5.192	5.192	0.0	86	38476	5.22	
60 n-Butanol	56	5.405	5.405	0.0	90	128789	100.2	
65 Methyl methacrylate	41	5.772	5.784	-0.012	89	178849	4.87	
69 2-Nitropropane	41	6.115	6.115	0.0	99	81277	9.63	
80 n-Butyl acetate	56	7.298	7.299	-0.001	97	256809	0	
94 Cyclohexanone	55	8.931	8.932	-0.001	90	322361	51.2	
109 1,2,3-Trimethylbenzene	105	10.197	10.198	-0.001	98	779019	4.99	
118 2-Methylnaphthalene	142	13.688	13.677	0.011	100	856345	10.9	

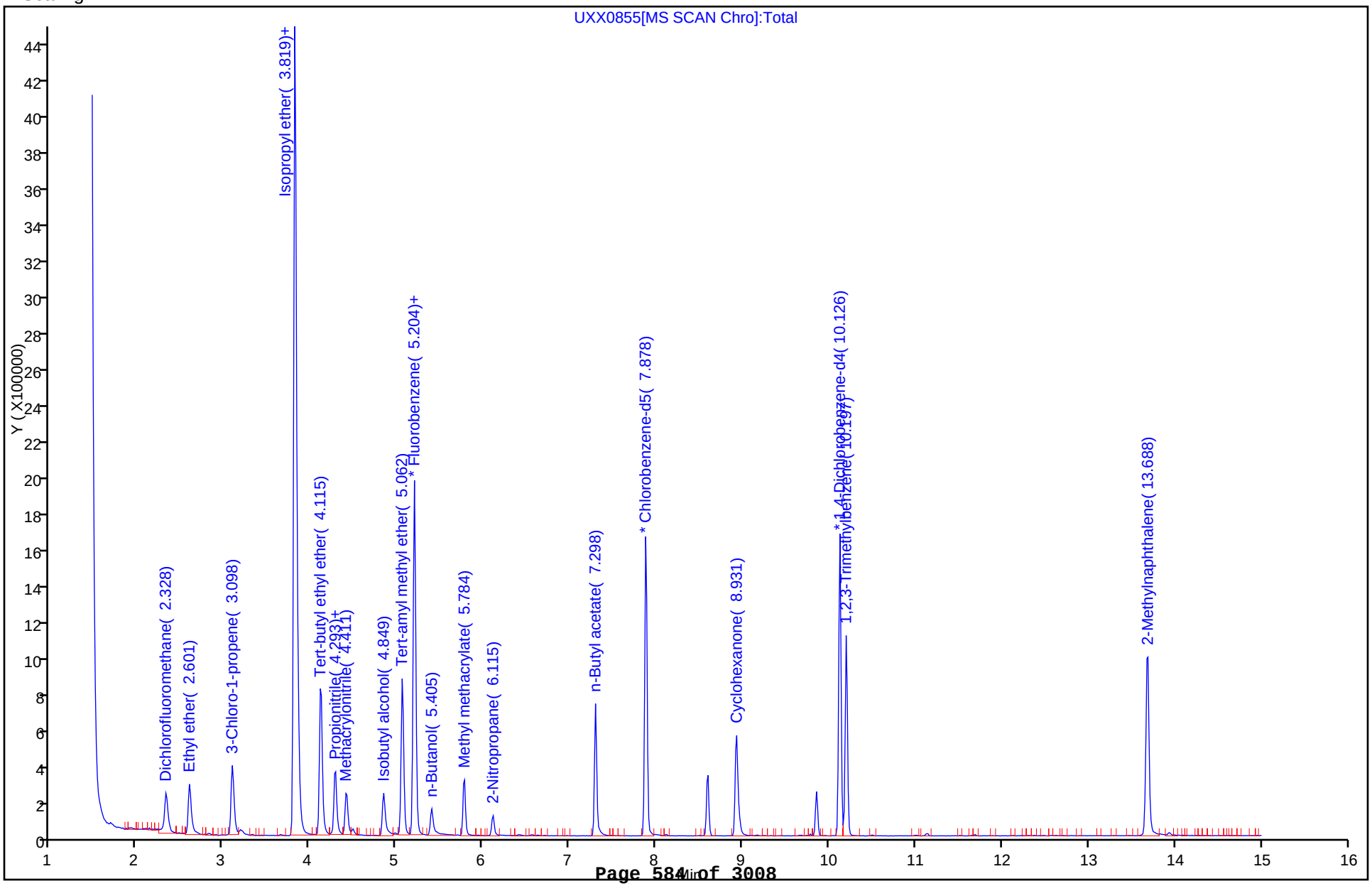
Report Date: 14-Nov-2012 12:23:02 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0855.D

Injection Date:	12-Nov-2012 18:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	11
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0856.D
Lims ID: STDA9 L2 Client ID:
Inject. Date: 12-Nov-2012 18:53:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014871-012
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 64678 Lims Sample ID: 12
Sublist: chrom-8260_10*sub2
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:23:02 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.204	0.003	99	1687438	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.878	0.003	84	1091451	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.127	0.002	93	554865	10.0	
18 Dichlorofluoromethane	67	2.331	2.329	0.002	95	164725	2.28	
20 Ethyl ether	59	2.604	2.601	0.003	87	91256	2.14	
29 3-Chloro-1-propene	76	3.101	3.098	0.003	90	55345	2.13	
39 Isopropyl ether	87	3.822	3.820	0.002	94	492531	10.1	
40 2-Chloro-1,3-butadiene	53	3.846	3.855	-0.009	83	140291	2.03	
41 Tert-butyl ethyl ether	59	4.118	4.127	-0.009	95	293270	2.02	
45 Propionitrile	54	4.284	4.281	0.003	34	27715	4.07	
46 Ethyl acetate	43	4.284	4.293	-0.009	98	171365	3.90	
47 Methacrylonitrile	41	4.414	4.411	0.003	88	56328	1.94	
55 Isobutyl alcohol	41	4.852	4.849	0.003	91	63194	43.8	
58 Tert-amyl methyl ether	73	5.065	5.062	0.003	96	251377	1.91	
59 n-Heptane	100	5.195	5.192	0.003	87	14617	2.05	
60 n-Butanol	56	5.408	5.405	0.003	90	48741	40.0	
65 Methyl methacrylate	41	5.775	5.784	-0.009	92	66318	1.86	
69 2-Nitropropane	41	6.106	6.115	-0.009	95	31128	3.80	
80 n-Butyl acetate	56	7.301	7.299	0.002	96	86946	0	
94 Cyclohexanone	55	8.922	8.932	-0.010	91	128051	20.9	
109 1,2,3-Trimethylbenzene	105	10.200	10.198	0.002	96	279664	1.84	
118 2-Methylnaphthalene	142	13.679	13.677	0.002	100	337237	4.41	

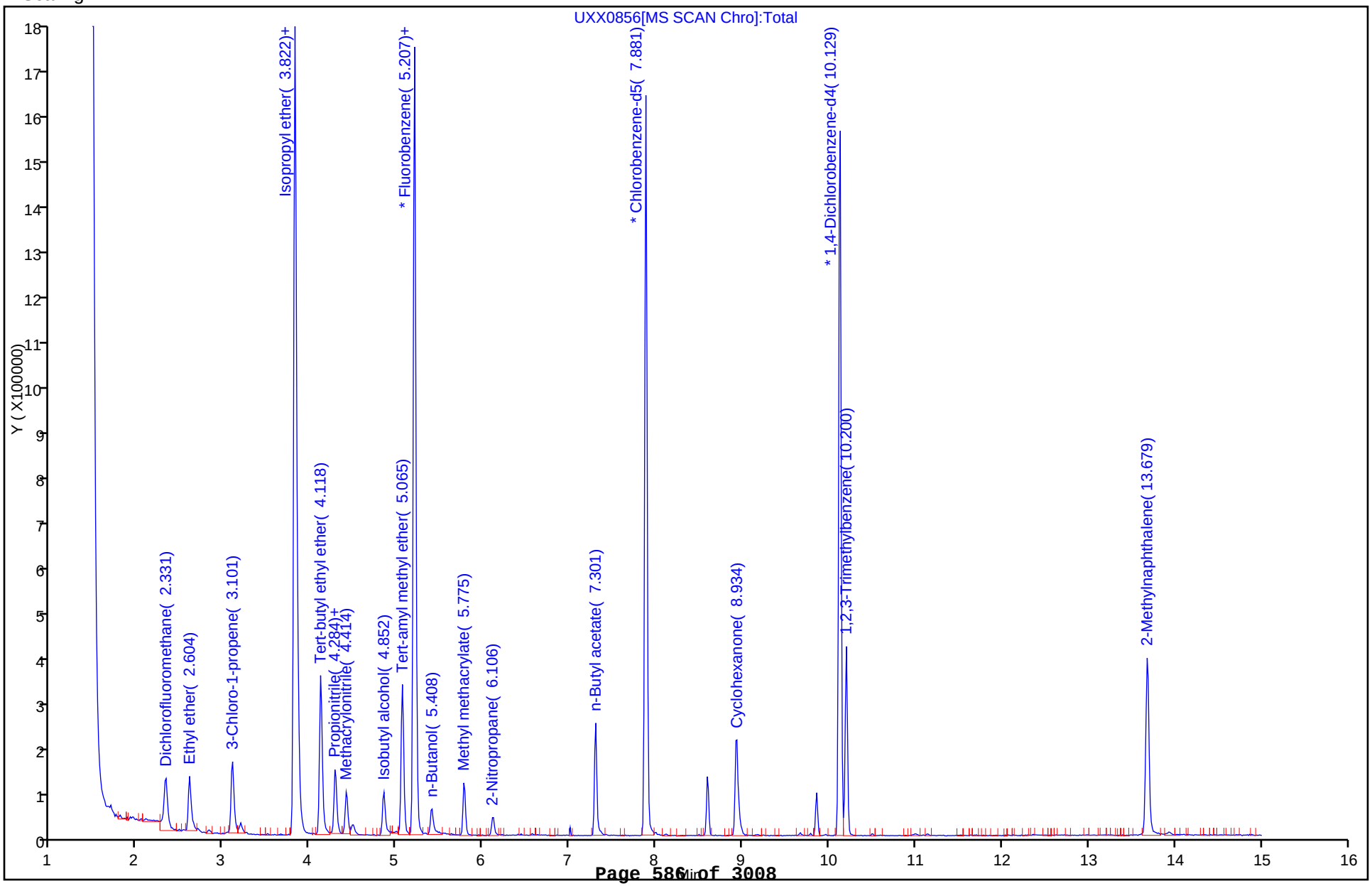
Report Date: 14-Nov-2012 12:23:02 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0856.D

Injection Date:	12-Nov-2012 18:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	12
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Lims ID:	STDA9 L1	Client ID:	
Inject. Date:	12-Nov-2012 19:16:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014871-013		
Misc. Info.:	P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	12
Lims Batch ID:	64678	Lims Sample ID:	13
Sublist:	chrom-8260_10*sub2		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m		
Last Update:	14-Nov-2012 12:23:03	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		
First Level Reviewer: quayler		Date:	13-Nov-2012 08:55:02

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.204	0.003	99	1669342	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.878	0.003	85	1078623	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.127	0.002	93	532286	10.0	
18 Dichlorofluoromethane	67	2.331	2.329	0.002	85	80460	1.13	
20 Ethyl ether	59	2.604	2.601	0.003	85	41138	0.9762	
29 3-Chloro-1-propene	76	3.100	3.098	0.002	87	24425	0.9489	
39 Isopropyl ether	87	3.822	3.820	0.002	93	228181	4.73	
40 2-Chloro-1,3-butadiene	53	3.846	3.855	-0.009	76	65705	0.9630	
41 Tert-butyl ethyl ether	59	4.118	4.127	-0.009	96	138066	0.9593	
45 Propionitrile	54	4.284	4.281	0.003	26	12432	1.85	
46 Ethyl acetate	43	4.284	4.293	-0.009	94	89127	2.05	
47 Methacrylonitrile	41	4.414	4.411	0.003	81	28684	1.00	
55 Isobutyl alcohol	41	4.852	4.849	0.003	77	26069	18.3	
58 Tert-amyl methyl ether	73	5.065	5.062	0.003	95	119519	0.9165	
59 n-Heptane	100	5.195	5.192	0.003	74	6900	0.9758	
60 n-Butanol	56	5.408	5.405	0.003	74	20848	17.3	
65 Methyl methacrylate	41	5.775	5.784	-0.009	81	32693	0.9275	
69 2-Nitropropane	41	6.106	6.115	-0.009	88	14400	1.78	
80 n-Butyl acetate	56	7.301	7.299	0.002	97	39843	0	
94 Cyclohexanone	55	8.922	8.932	-0.010	88	53736	9.13	
109 1,2,3-Trimethylbenzene	105	10.200	10.198	0.002	87	121230	0.8308	
118 2-Methylnaphthalene	142	13.679	13.677	0.002	97	124754	1.70	

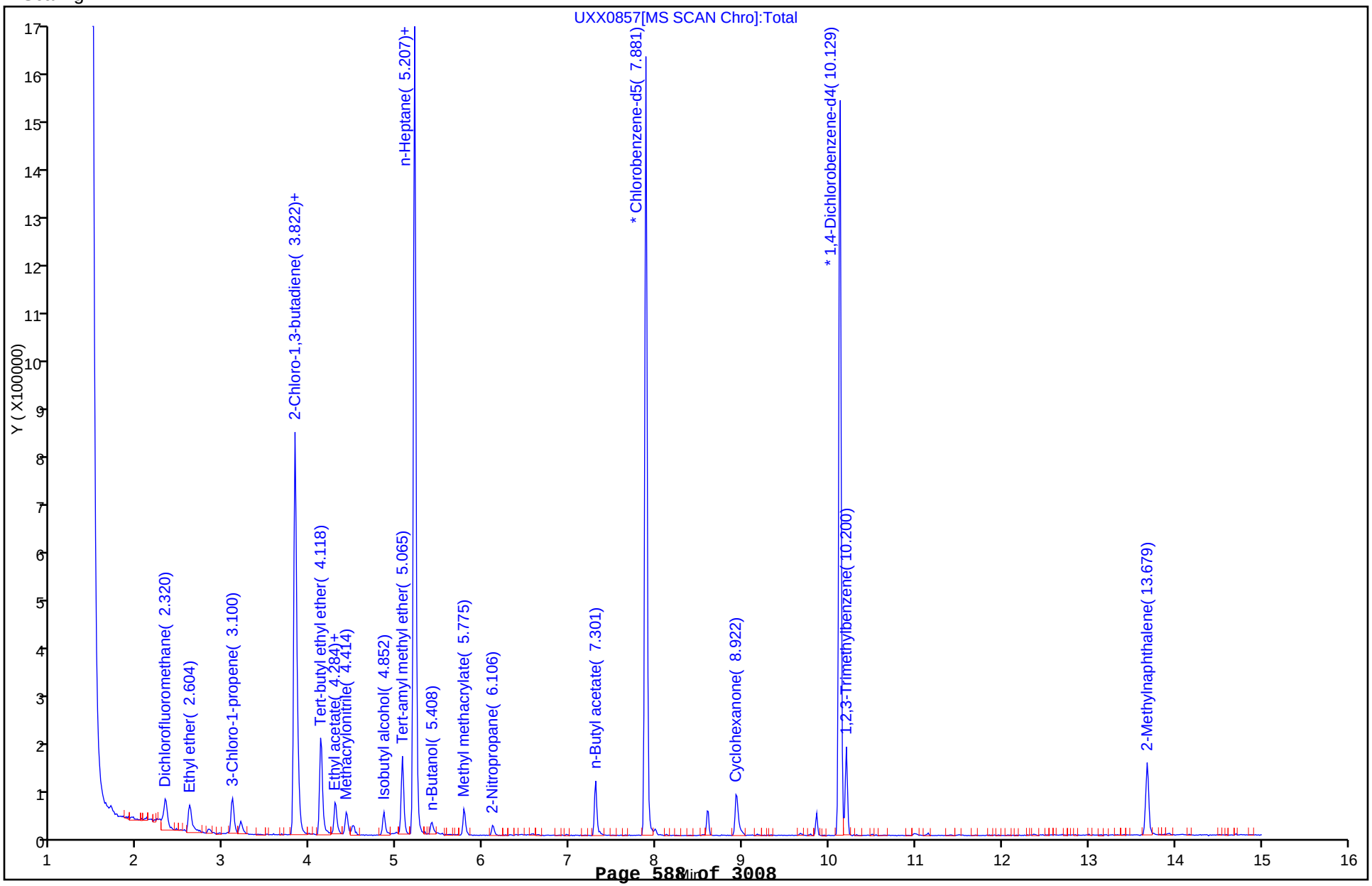
Report Date: 14-Nov-2012 12:23:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D

Injection Date:	12-Nov-2012 19:16:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	13
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64859

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/13/2012 16:53 Calibration End Date: 11/13/2012 19:45 Calibration ID: 12306

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-64859/11	149113.D
Level 2	IC 240-64859/10	149112.D
Level 3	IC 240-64859/9	149111.D
Level 4	IC 240-64859/8	149110.D
Level 5	IC 240-64859/7	149109.D
Level 6	ICIS 240-64859/6	149108.D
Level 7	IC 240-64859/5	149107.D
Level 8	IC 240-64859/4	149106.D
Level 9	IC 240-64859/3	149105.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2643 0.2963	0.2696 0.2725	0.3188 0.2747	0.3039 0.2805	0.3062	Ave		0.2874			0.1000	6.7		15.0			
Chloromethane	0.5151 0.4987	0.5092 0.4608	0.5197 0.4575	0.4982 0.4342	0.5151	Ave		0.4898			0.1000	6.3		15.0			
Vinyl chloride	0.3470 0.4029	0.3624 0.3742	0.4232 0.3781	0.3960 0.3605	0.4121	Ave		0.3840			0.1000	6.7		15.0			
Bromomethane	0.2150 0.1323	0.1540 0.1193	0.1584 0.1195	0.1486 0.1230	0.1439	Lin1	0.1143	0.1220			0.0500				0.9980		0.9950
Chloroethane	0.2238 0.2231	0.2209 0.2070	0.2420 0.1992	0.2311 0.2090	0.2304	Ave		0.2207				6.1		15.0			
Trichlorofluoromethane	0.2971 0.3881	0.3069 0.3744	0.3801 0.3819	0.3858 0.3858	0.3986	Ave		0.3665			0.1000	10.0		15.0			
Acrolein	0.0365 0.0339	0.0355 0.0317	0.0362 0.0323	0.0325 0.0321	0.0349	Ave		0.0339				5.6		15.0			
1,1-Dichloroethene	0.2662 0.3121	0.2650 0.2891	0.2919 0.2871	0.2896 0.2804	0.3055	Ave		0.2874			0.1000	5.5		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2199 0.2953	0.2615 0.2744	0.2932 0.2692	0.2814 0.2718	0.3036	Ave		0.2745			0.0500	9.0		15.0			
Acetone	0.2658 0.0843	0.2060 0.0735	0.1146 0.0727	0.0921 0.0672	0.0936	Lin1	0.4626	0.0703			0.0500				0.9950		0.9950
Iodomethane	0.4580 0.5387	0.4918 0.5078	0.5276 0.4993	0.5228 0.5027	0.5585	Ave		0.5119				5.7		15.0			
Carbon disulfide	0.4728 0.8390	0.5096 0.8405	0.6174 0.8597	0.6484 0.8663	0.7467	Lin1	-0.695	0.8570			0.1000				0.9990		0.9950
Acetonitrile	0.0330 0.0306	0.0376 0.0274	0.0337 0.0273	0.0321 0.0266	0.0325	Ave		0.0312				12.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64859

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/13/2012 16:53 Calibration End Date: 11/13/2012 19:45 Calibration ID: 12306

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Methyl acetate	0.2476 0.1987	0.2196 0.1856	0.2141 0.1874	0.1902 0.1903	0.2086	Ave		0.2047			0.1000	9.9		15.0			
Methylene Chloride	1.9333 0.3404	1.2118 0.3051	0.6816 0.2890	0.4653 0.2853	0.4040	Lin1	1.7790	0.2839			0.1000				0.9980		0.9950
2-Methyl-2-propanol	0.0146 0.0150	0.0145 0.0136	0.0146 0.0142	0.0142 0.0139	0.0156	Ave		0.0145				4.2		15.0			
Acrylonitrile	0.1126 0.0956	0.1045 0.0888	0.0993 0.0882	0.0915 0.0895	0.1003	Ave		0.0967				8.5		15.0			
trans-1,2-Dichloroethene	0.2972 0.3345	0.3261 0.3121	0.3470 0.3084	0.3280 0.3081	0.3430	Ave		0.3227			0.1000	5.3		15.0			
Methyl tert-butyl ether	0.5638 0.6890	0.6326 0.6458	0.6767 0.6557	0.6421 0.6646	0.7039	Ave		0.6527			0.1000	6.2		15.0			
Hexane	0.0915 0.0722	0.0774 0.0705	0.0846 0.0707	0.0745 0.0691	0.0734	Ave		0.0760				9.8		15.0			
1,1-Dichloroethane	0.5968 0.6381	0.5827 0.6134	0.6375 0.6110	0.6232 0.6111	0.6541	Ave		0.6187			0.1000	3.6		15.0			
Vinyl acetate	0.0142 0.0267	0.0238 0.0263	0.0225 0.0287	0.0223 0.0280	0.0257	Lin1	-0.017	0.0278							0.9990		0.9950
2,2-Dichloropropane	0.1609 0.2336	0.1866 0.2219	0.2057 0.2090	0.2086 0.2125	0.2344	Ave		0.2081				11.0		15.0			
cis-1,2-Dichloroethene	0.3123 0.3336	0.3104 0.3191	0.3464 0.3125	0.3321 0.3109	0.3466	Ave		0.3249			0.1000	4.6		15.0			
2-Butanone (MEK)	0.1756 0.0970	0.1390 0.0910	0.1128 0.0967	0.0942 0.0978	0.0970	Lin1	0.1492	0.0956			0.0500				0.9990		0.9950
Bromochloromethane	0.1355 0.1464	0.1347 0.1397	0.1533 0.1397	0.1432 0.1394	0.1545	Ave		0.1429				5.0		15.0			
Tetrahydrofuran	0.1034 0.0734	0.0679 0.0637	0.0801 0.0683	0.0652 0.0697	0.0747	Lin1	0.0267	0.0684							0.9980		0.9950
Chloroform	0.4832 0.5433	0.4988 0.5119	0.5317 0.5112	0.5193 0.5182	0.5483	Ave		0.5184				4.0		15.0			
1,1,1-Trichloroethane	0.2842 0.4486	0.3320 0.4308	0.3837 0.4286	0.3984 0.4352	0.4445	Ave		0.3984			0.1000	14.0		15.0			
Cyclohexane	0.7048 0.8526	0.7346 0.8068	0.8582 0.7981	0.8321 0.8041	0.8746	Ave		0.8073			0.1000	7.0		15.0			
1,1-Dichloropropene	0.3502 0.4206	0.3509 0.4001	0.4322 0.4074	0.4094 0.4045	0.4201	Ave		0.3995				7.4		15.0			
Carbon tetrachloride	0.2246 0.3991	0.2669 0.3965	0.3175 0.3982	0.3392 0.4091	0.3757	Lin1	-0.265	0.4031			0.1000				1.0000		0.9950
Benzene	1.1023 1.1345	1.0896 1.0784	1.1744 1.0883	1.0933 1.1009	1.1596	Ave		1.1135			0.5000	3.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64859

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/13/2012 16:53 Calibration End Date: 11/13/2012 19:45 Calibration ID: 12306

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichloroethane	0.4507 0.3982	0.4047 0.3750	0.4002 0.3852	0.3873 0.3845	0.4079	Ave		0.3993			0.1000	5.5		15.0			
Trichloroethene	0.3012 0.3198	0.3082 0.3100	0.3281 0.3186	0.3117 0.3205	0.3219	Ave		0.3155			0.2000	2.6		15.0			
Methylcyclohexane	0.5423 0.6599	0.5140 0.6242	0.6428 0.6096	0.6452 0.6184	0.6706	Ave		0.6141			0.1000	8.6		15.0			
1,2-Dichloropropane	0.2769 0.2908	0.2574 0.2834	0.2833 0.2902	0.2657 0.2942	0.2873	Ave		0.2810			0.1000	4.4		15.0			
Dibromomethane	0.1280 0.1247	0.1199 0.1209	0.1156 0.1230	0.1178 0.1230	0.1263	Ave		0.1221				3.3		15.0			
1,4-Dioxane	0.0014 0.0017	0.0015 0.0015	0.0017 0.0016	0.0016 0.0016	0.0017	Ave		0.0016				6.7		15.0			
Bromodichloromethane	0.1835 0.2773	0.1816 0.2864	0.2072 0.3117	0.2148 0.3169	0.2439	Lin1	-0.281	0.3060			0.1000				0.9960		0.9950
2-Chloroethyl vinyl ether	0.0768 0.0830	0.0590 0.0834	0.0663 0.0947	0.0640 0.0966	0.0727	Qua	-0.161	0.0789	0						1.0000		0.9900
cis-1,3-Dichloropropene	0.1808 0.3011	0.1700 0.3119	0.2000 0.3454	0.2035 0.3482	0.2573	Qua	-0.603	0.3036	0.0002		0.1500				1.0000		0.9900
4-Methyl-2-pentanone (MIBK)	0.2955 0.3342	0.2753 0.3061	0.2916 0.3246	0.2915 0.3348	0.3219	Ave		0.3084			0.0500	6.9		15.0			
Toluene	1.8325 1.7607	1.7447 1.6565	1.7828 1.6918	1.7766 1.7476	1.8256	Ave		1.7576			0.4000	3.2		15.0			
trans-1,3-Dichloropropene	0.1995 0.3619	0.2063 0.3648	0.2395 0.4047	0.2506 0.4126	0.3132	Lin1	-0.433	0.3968			0.1000				0.9950		0.9950
Ethyl methacrylate	0.2028 0.2760	0.2043 0.2665	0.1989 0.2920	0.2118 0.3015	0.2520	Lin1	-0.213	0.2898							0.9970		0.9950
1,1,2-Trichloroethane	0.2504 0.2469	0.2228 0.2291	0.2325 0.2362	0.2341 0.2439	0.2542	Ave		0.2389			0.1000	4.4		15.0			
Tetrachloroethene	0.4194 0.4030	0.3902 0.3754	0.4322 0.3804	0.3984 0.3896	0.4181	Ave		0.4007			0.2000	4.8		15.0			
1,3-Dichloropropane	0.4360 0.4198	0.4183 0.3977	0.4059 0.4150	0.4087 0.4268	0.4283	Ave		0.4174				2.9		15.0			
2-Hexanone	0.1753 0.1659	0.1436 0.1582	0.1463 0.1796	0.1354 0.1861	0.1542	Ave		0.1605			0.0500	11.0		15.0			
Dibromochloromethane	0.1617 0.2752	0.1640 0.2823	0.1811 0.3161	0.1891 0.3279	0.2324	Qua	-0.391	0.2620	0.0003						1.0000		0.9900
1,2-Dibromoethane	0.2063 0.2490	0.2019 0.2371	0.2338 0.2445	0.2231 0.2487	0.2489	Ave		0.2326				7.9		15.0			
Chlorobenzene	1.2301 1.1463	1.2126 1.0864	1.1540 1.1262	1.1177 1.1528	1.1536	Ave		1.1533			0.3000	3.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64859

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/13/2012 16:53 Calibration End Date: 11/13/2012 19:45 Calibration ID: 12306

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	0.2401 0.4641	0.2940 0.4324	0.3402 0.4279	0.3764 0.4364	0.4340	Lin1	-0.255	0.4364							0.9990		0.9950
Ethylbenzene	0.6224 0.6362	0.6013 0.6036	0.6259 0.6229	0.6113 0.6334	0.6415	Ave		0.6221				2.3		15.0			
m-Xylene & p-Xylene	0.7411 0.7851	0.7015 0.7526	0.7663 0.7736	0.7531 0.7930	0.7964	Ave		0.7625				3.9		15.0			
o-Xylene	0.7482 0.8507	0.8166 0.7888	0.8327 0.7810	0.8386 0.7869	0.8795	Ave		0.8137				5.0		15.0			
Styrene	0.9051 1.1309	0.8853 1.0945	0.9766 1.1540	0.9797 1.1795	1.0680	Ave		1.0415			0.3000	10.0		15.0			
Bromoform	+++++ 0.1333	+++++ 0.1450	0.0830 0.1722	0.0930 0.1796	0.1102	Qua	-0.415	0.1317	0.0002		0.1000				1.0000		0.9900
Isopropylbenzene	1.9022 2.3818	1.9580 2.1990	2.2371 2.1939	2.2580 2.2337	2.4184	Ave		2.1980			0.1000	7.8		15.0			
1,1,2,2-Tetrachloroethane	0.4570 0.5371	0.4112 0.5156	0.4603 0.5424	0.4674 0.5659	0.5377	Ave		0.4994			0.3000	10.0		15.0			
Bromobenzene	0.8372 0.8120	0.7656 0.7865	0.8130 0.8318	0.7628 0.8750	0.8154	Ave		0.8110				4.4		15.0			
1,2,3-Trichloropropane	0.1754 0.1663	0.1620 0.1592	0.1723 0.1633	0.1581 0.1731	0.1677	Ave		0.1664				3.8		15.0			
trans-1,4-Dichloro-2-butene	0.2073 0.1595	0.1511 0.1646	0.1437 0.1918	0.1537 0.2015	0.1497	Ave		0.1692				14.0		15.0			
N-Propylbenzene	0.8388 1.0369	0.8586 1.0097	0.9688 1.0447	0.9561 1.0903	1.0247	Ave		0.9810				8.7		15.0			
2-Chlorotoluene	0.8528 0.9253	0.8118 0.8729	0.8880 0.9041	0.8745 0.9372	0.9434	Ave		0.8900				4.8		15.0			
1,3,5-Trimethylbenzene	2.5566 3.4150	2.5911 3.2489	3.0345 3.3096	3.0948 3.4225	3.3929	Ave		3.1184				11.0		15.0			
4-Chlorotoluene	0.8643 0.8701	0.7732 0.8326	0.8508 0.8767	0.8324 0.9165	0.8616	Ave		0.8531				4.6		15.0			
tert-Butylbenzene	2.3323 3.3291	2.4665 3.1817	2.9447 3.1859	2.9684 3.2899	3.2584	Ave		2.9952				12.0		15.0			
1,2,4-Trimethylbenzene	2.7192 3.2896	2.7693 3.1626	2.9124 3.1901	3.0368 3.2552	3.2996	Ave		3.0705				7.3		15.0			
sec-Butylbenzene	3.0025 4.5162	3.2987 4.2948	4.0077 4.3246	4.1548 4.4386	4.4258	Ave		4.0515				13.0		15.0			
1,3-Dichlorobenzene	1.9182 1.7180	1.8120 1.6741	1.7848 1.7053	1.7225 1.7372	1.7643	Ave		1.7596			0.6000	4.1		15.0			
4-Isopropyltoluene	2.7798 3.8238	2.9134 3.7567	3.4126 3.7682	3.5692 3.8548	3.9188	Ave		3.5331				12.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64859

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/13/2012 16:53 Calibration End Date: 11/13/2012 19:45 Calibration ID: 12306

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	2.1075 1.7161	1.9962 1.6868	1.8727 1.7004	1.7735 1.7575	1.8061	Ave		1.8241			0.5000	7.9		15.0			
n-Butylbenzene	2.5217 3.1482	2.6013 3.0614	2.9349 3.0655	2.9767 3.1307	3.1973	Ave		2.9598				8.1		15.0			
1,2-Dichlorobenzene	1.8702 1.6497	1.7989 1.5817	1.7433 1.5760	1.7200 1.6164	1.7507	Ave		1.7008			0.4000	6.0		15.0			
1,2-Dibromo-3-Chloropropane	0.0781 0.0847	0.0613 0.0862	0.0633 0.0991	0.0624 0.1044	0.0790	Qua	-0.038	0.0767	0.0001		0.0500				1.0000		0.9900
1,3,5-Trichlorobenzene	1.4839 1.3807	1.4850 1.3220	1.5406 1.3169	1.5400 1.3323	1.5284	Ave		1.4366				6.8		15.0			
1,2,4-Trichlorobenzene	1.3967 1.1071	1.2656 1.0716	1.2885 1.0911	1.2428 1.0935	1.2497	Ave		1.2007			0.2000	9.5		15.0			
Hexachlorobutadiene	0.6196 0.6501	0.6052 0.5972	0.7578 0.5954	0.7430 0.6033	0.7309	Ave		0.6558				10.0		15.0			
Naphthalene	2.2475 1.9523	2.1785 1.9221	2.0321 2.0208	2.0319 2.0288	2.1280	Ave		2.0602				5.1		15.0			
1,2,3-Trichlorobenzene	1.1014 0.8872	1.1118 0.8757	1.0856 0.9090	1.0654 0.9172	1.0356	Ave		0.9988				9.9		15.0			
Dibromofluoromethane (Surr)	0.4543 0.2506	0.3962 0.2570	0.3167 0.2648	0.2908 0.2589	0.2783	Lin1	0.2319	0.2588							1.0000		0.9950
1,2-Dichloroethane-d4 (Surr)	0.6223 0.2608	0.4795 0.2735	0.3740 0.2846	0.3266 0.2817	0.3103	Lin1	0.3773	0.2779							0.9990		0.9950
Toluene-d8 (Surr)	2.9448 1.4178	2.3163 1.4389	1.8763 1.4811	1.7245 1.4842	1.5997	Lin1	1.6498	1.4630							0.9990		0.9950
4-Bromofluorobenzene (Surr)	1.6935 0.8060	1.4518 0.8547	1.0699 0.9240	0.9544 0.9595	0.9043	Qua	1.4903	0.7601	0.0008						1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64859

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/13/2012 16:53 Calibration End Date: 11/13/2012 19:45 Calibration ID: 12306

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-64859/11	149113.D
Level 2	IC 240-64859/10	149112.D
Level 3	IC 240-64859/9	149111.D
Level 4	IC 240-64859/8	149110.D
Level 5	IC 240-64859/7	149109.D
Level 6	ICIS 240-64859/6	149108.D
Level 7	IC 240-64859/5	149107.D
Level 8	IC 240-64859/4	149106.D
Level 9	IC 240-64859/3	149105.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Dichlorodifluoromethane	FB	Ave	7516 417580	14492 791908	43671 1617640	82511 2115856	161720	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Chloromethane	FB	Ave	14646 702799	27370 1338903	71181 2694187	135262 3275169	272081	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Vinyl chloride	FB	Ave	9867 567761	19480 1087283	57964 2226414	107509 2718989	217685	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromomethane	FB	Lin1	6112 186493	8277 346587	21694 703622	40346 927880	76008	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Chloroethane	FB	Ave	6364 314365	11870 601594	33147 1172950	62735 1576477	121690	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Trichlorofluoromethane	FB	Ave	8449 546945	16496 1088102	52063 2249017	104736 2909895	210534	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Acrolein	FB	Ave	10367 478056	19105 921630	49585 1899816	88115 2418324	184449	10.0 500	20.0 1000	50.0 2000	100 2500	200
1,1-Dichloroethene	FB	Ave	7569 439870	14243 840221	39983 1690386	78637 2115050	161339	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	6252 416147	14057 797347	40163 1585107	76398 2050356	160348	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Acetone	FB	Lin1	15114 237740	22148 426995	31391 856133	50024 1014022	98863	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Iodomethane	FB	Ave	13022 759159	26435 1475619	72265 2940106	141950 3792310	295018	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Carbon disulfide	FB	Lin1	13442 1182385	27388 2442481	84572 5062701	176057 6534814	394410	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Acetonitrile	FB	Ave	9385 431263	20232 796014	46125 1608529	87036 2008114	171666	10.0 500	20.0 1000	50.0 2000	100 2500	200
Methyl acetate	FB	Ave	14079 560017	23602 1078716	58662 2206523	103288 2871085	220401	2.00 100	4.00 200	10.0 400	20.0 500	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64859

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/13/2012 16:53 Calibration End Date: 11/13/2012 19:45 Calibration ID: 12306

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Methylene Chloride	FB	Lin1	54970 479698	65129 886504	93360 1701753	126340 2152074	213373	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Methyl-2-propanol	FB	Ave	8325 422973	15618 789455	39940 1669586	77319 2089998	165099	20.0 1000	40.0 2000	100 4000	200 5000	400
Acrylonitrile	FB	Ave	6401 269580	11229 515929	27199 1038629	49698 1350561	105995	2.00 100	4.00 200	10.0 400	20.0 500	40.0
trans-1,2-Dichloroethene	FB	Ave	8450 471393	17525 907001	47533 1816271	89048 2324134	181167	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Methyl tert-butyl ether	FB	Ave	16031 970973	34001 1876766	92686 3861248	174321 5013197	371794	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Hexane	FB	Ave	2602 101690	4159 204799	11588 416144	20234 521048	38787	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1-Dichloroethane	FB	Ave	16970 899255	31317 1782565	87326 3598243	169195 4609728	345487	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Vinyl acetate	FB	Lin1	403 37670	1280 76525	3079 168875	6066 211083	13557	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2,2-Dichloropropane	FB	Ave	4575 329191	10027 644879	28180 1230549	56635 1603060	123818	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
cis-1,2-Dichloroethene	FB	Ave	8880 470162	16683 927391	47449 1840191	90166 2345081	183097	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Butanone (MEK)	FB	Lin1	9988 273345	14939 529115	30894 1139182	51145 1476018	102501	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Bromochloromethane	FB	Ave	3854 206291	7241 405931	20994 822911	38873 1051272	81624	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Tetrahydrofuran	FB	Lin1	2940 103462	3649 185076	10974 402232	17698 525409	39432	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Chloroform	FB	Ave	13739 765651	26809 1487549	72826 3010090	140994 3908909	289607	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,1-Trichloroethane	FB	Ave	8081 632148	17843 1251773	52558 2523886	108164 3282896	234761	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Cyclohexane	FB	Ave	20040 1201508	39484 2344534	117550 4699663	225927 6065372	461930	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1-Dichloropropene	FB	Ave	9957 592724	18859 1162651	59199 2399330	111163 3051360	221877	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Carbon tetrachloride	FB	Lin1	6386 562495	14343 1152166	43488 2345000	92086 3085601	198439	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Benzene	FB	Ave	31342 1598756	58561 3133611	160862 6408963	296845 8304169	612512	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloroethane	FB	Ave	12816 561210	21751 1089587	54823 2268334	105152 2900687	215440	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Trichloroethene	FB	Ave	8563 450685	16566 900868	44946 1876080	84617 2417344	170019	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64859

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/13/2012 16:53 Calibration End Date: 11/13/2012 19:45 Calibration ID: 12306

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Methylcyclohexane	FB	Ave	15420 930044	27625 1813947	88044 3589794	175167 4664620	354215	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloropropane	FB	Ave	7874 409880	13836 823444	38810 1709124	72151 2219139	151736	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Dibromomethane	FB	Ave	3639 175714	6443 351417	15838 724277	31991 928129	66688	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,4-Dioxane	FB	Ave	1977 118145	3980 219140	11737 463067	21934 597133	44297	50.0 2500	100 5000	250 10000	500 12500	1000
Bromodichloromethane	FB	Lin1	5217 390809	9759 832249	28387 1835347	58309 2390658	128819	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Chloroethyl vinyl ether	FB	Qua	4368 234066	6345 484654	18171 1115017	34747 1457274	76766	2.00 100	4.00 200	10.0 400	20.0 500	40.0
cis-1,3-Dichloropropene	FB	Qua	5140 424347	9137 906342	27402 2033998	55239 2626397	135898	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	9717 576886	16736 1136906	44863 2533577	88556 3331223	197223	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Toluene	CBZ	Ave	30130 1519658	53025 3076276	137151 6603246	269854 8693371	559174	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
trans-1,3-Dichloropropene	CBZ	Lin1	3281 312322	6269 677544	18422 1579454	38061 2052621	95928	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Ethyl methacrylate	CBZ	Lin1	3334 238209	6210 494988	15305 1139822	32177 1499679	77173	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,2-Trichloroethane	CBZ	Ave	4117 213126	6770 425536	17884 921878	35558 1213279	77860	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Tetrachloroethene	CBZ	Ave	6896 347815	11858 697238	33251 1484602	60520 1937946	128055	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3-Dichloropropane	CBZ	Ave	7169 362321	12713 738571	31225 1619828	62074 2123153	131178	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Hexanone	CBZ	Ave	5765 286390	8731 587510	22515 1402204	41139 1851099	94486	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Dibromochloromethane	CBZ	Qua	2658 237486	4983 524268	13929 1233608	28727 1631350	71189	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dibromoethane	CBZ	Ave	3392 214868	6136 440371	17983 954360	33893 1237164	76236	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Chlorobenzene	CBZ	Ave	20226 989339	36855 2017592	88779 4395692	169777 5734754	353351	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,1,2-Tetrachloroethane	CBZ	Lin1	3948 400599	8935 803063	26175 1670230	57173 2171016	132946	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Ethylbenzene	CBZ	Ave	10233 549095	18275 1120917	48151 2431159	92859 3150985	196492	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
m-Xylene & p-Xylene	CBZ	Ave	24371 1355176	42642 2795237	117908 6038673	228784 7889491	487854	2.00 100	4.00 200	10.0 400	20.0 500	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64859

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/13/2012 16:53 Calibration End Date: 11/13/2012 19:45 Calibration ID: 12306

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
o-Xylene	CBZ	Ave	12302 734242	24817 1464950	64060 3048446	127375 3914688	269399	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Styrene	CBZ	Ave	14882 976030	26907 2032553	75133 4504091	148820 5867268	327115	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromoform	CBZ	Qua	+++++ 115056	+++++ 269265	6385 672219	14126 893312	33753	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Isopropylbenzene	CBZ	Ave	31276 2055730	59507 4083761	172097 8563076	342974 11111466	740744	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	4412 269865	7468 551393	21908 1185915	43332 1521394	98118	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromobenzene	DCB	Ave	8083 407997	13903 841041	38695 1818475	70715 2352640	148810	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,3-Trichloropropane	DCB	Ave	1693 83541	2942 170230	8200 356908	14657 465477	30596	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	2001 80147	2744 175997	6839 419227	14248 541730	27326	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
N-Propylbenzene	DCB	Ave	8099 520989	15593 1079721	46113 2283863	88635 2931489	186998	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Chlorotoluene	DCB	Ave	8234 464923	14742 933447	42265 1976546	81078 2519820	172161	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3,5-Trimethylbenzene	DCB	Ave	24684 1715922	47056 3474159	144431 7235493	286915 9201957	619176	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Chlorotoluene	DCB	Ave	8345 437183	14041 890356	40495 1916783	77171 2464150	157235	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
tert-Butylbenzene	DCB	Ave	22518 1672737	44793 3402281	140155 6965216	275197 8845425	594629	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,4-Trimethylbenzene	DCB	Ave	26254 1652909	50292 3381876	138620 6974339	281537 8752217	602151	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
sec-Butylbenzene	DCB	Ave	28989 2269254	59906 4592616	190752 9454717	385185 11933941	807678	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3-Dichlorobenzene	DCB	Ave	18520 863253	32906 1790188	84949 3728094	159688 4670802	321979	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Isopropyltoluene	DCB	Ave	26839 1921354	52909 4017166	162428 8238217	330900 10364287	715161	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,4-Dichlorobenzene	DCB	Ave	20348 862272	36251 1803761	89135 3717462	164421 4725453	329600	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
n-Butylbenzene	DCB	Ave	24347 1581880	47240 3273708	139689 6702026	275970 8417394	583487	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichlorobenzene	DCB	Ave	18057 828934	32668 1691360	82976 3445460	159459 4346036	319497	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dibromo-3-Chloropropane	DCB	Qua	754 42579	1114 92168	3014 216613	5781 280695	14412	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64859

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/13/2012 16:53 Calibration End Date: 11/13/2012 19:45 Calibration ID: 12306

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,3,5-Trichlorobenzene	DCB	Ave	14327 693743	26968 1413710	73328 2879013	142774 3582174	278916	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,4-Trichlorobenzene	DCB	Ave	13485 556263	22983 1145856	61330 2385332	115215 2940017	228061	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Hexachlorobutadiene	DCB	Ave	5982 326640	10991 638577	36068 1301644	68886 1622181	133386	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Naphthalene	DCB	Ave	21699 980976	39563 2055400	96720 4418019	188376 5454801	388344	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,3-Trichlorobenzene	DCB	Ave	10634 445774	20191 936408	51672 1987368	98772 2466056	188992	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Dibromofluoromethane (Surr)	FB	Lin1	12918 353208	21293 746711	43376 1559593	78941 1952797	146969	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin1	17695 367475	25772 794798	51229 1675798	88686 2125326	163888	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Toluene-d8 (Surr)	CBZ	Lin1	48420 1223651	70397 2672083	144345 5780939	261942 7383215	489993	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Bromofluorobenzene (Surr)	DCB	Qua	16351 405001	26365 913962	50923 2020167	88484 2579873	165025	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149105.D		
Lims ID:	IC 9	Client ID:	
Inject. Date:	13-Nov-2012 16:53:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	ic 9		
Misc. Info.:	240-0014916-003 =240-0014916-003		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	2
Lims Batch ID:	64859	Lims Sample ID:	3
Sublist:	chrom-8260_14*sub16		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m		
Last Update:	14-Nov-2012 15:22:51	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK032		
First Level Reviewer: macenczaks		Date:	13-Nov-2012 18:03:19

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1508662	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	994912	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	91	537734	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	69	1952797	249.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.541	0.012	96	2125326	252.1	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	7383215	252.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	2579873	249.9	
12 Dichlorodifluoromethane	85	1.442	1.441	0.001	88	2115856	244.0	
13 Chloromethane	50	1.607	1.607	0.0	89	3275169	221.6	
14 Vinyl chloride	62	1.737	1.737	0.0	83	2718989	234.6	
15 Bromomethane	94	2.069	2.069	0.0	90	927880	251.1	
16 Chloroethane	64	2.187	2.187	0.0	94	1576477	236.7	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	86	2909895	263.1	
20 Acrolein	56	3.027	3.027	0.0	95	2418324	2360.8	
21 1,1-Dichloroethene	96	3.157	3.145	0.012	84	2115050	243.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	85	2050356	247.6	
22 Acetone	43	3.252	3.252	0.0	97	1014022	471.3	
24 Iodomethane	142	3.347	3.347	0.0	99	3792310	245.5	
26 Carbon disulfide	76	3.418	3.418	0.0	99	6534814	253.5	
27 Acetonitrile	41	3.654	3.666	-0.012	99	2008114	2133.0	
28 Methyl acetate	43	3.761	3.761	0.0	98	2871085	464.9	
30 Methylene Chloride	84	3.891	3.879	0.012	88	2152074	245.0	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	90	2089998	4786.7	
32 Acrylonitrile	53	4.305	4.305	0.0	96	1350561	462.9	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	2324134	238.7	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	91	5013197	254.6	
35 Hexane	86	4.743	4.743	0.0	96	521048	227.3	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	4609728	246.9	
37 Vinyl acetate	86	5.039	5.039	0.0	97	211083	251.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	78	1603060	255.3	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	2345081	239.2	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	1476018	510.2	
47 Chlorobromomethane	128	5.926	5.926	0.0	88	1051272	243.8	
48 Tetrahydrofuran	42	5.985	5.985	0.0	92	525409	254.1	
49 Chloroform	83	6.033	6.033	0.0	84	3908909	249.9	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	90	3282896	273.1	
51 Cyclohexane	56	6.269	6.257	0.012	94	6065372	249.0	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	3051360	253.1	
53 Carbon tetrachloride	117	6.388	6.388	0.0	79	3085601	254.4	
55 Benzene	78	6.601	6.601	0.0	96	8304169	247.2	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	2900687	240.8	
60 Trichloroethene	130	7.240	7.240	0.0	91	2417344	253.9	
63 Methylcyclohexane	83	7.417	7.417	0.0	97	4664620	251.7	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	88	2219139	261.7	
65 Dibromomethane	93	7.559	7.559	0.0	92	928129	251.9	
66 1,4-Dioxane	88	7.583	7.583	0.0	94	597133	12526	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	2390658	259.9	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	88	1457274	497.6	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	84	2626397	248.5	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	3331223	542.9	
72 Toluene	91	8.411	8.411	0.0	91	8693371	248.6	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	91	2052621	261.1	
74 Ethyl methacrylate	69	8.683	8.683	0.0	92	1499679	260.8	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	1213279	255.2	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	1937946	243.0	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	2123153	255.6	
78 2-Hexanone	43	8.979	8.979	0.0	98	1851099	579.5	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	1631350	249.6	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	1237164	267.3	
82 Chlorobenzene	112	9.618	9.618	0.0	91	5734754	249.9	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	89	2171016	250.6	
84 Ethylbenzene	106	9.713	9.713	0.0	98	3150985	254.6	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	95	7889491	520.0	
85 o-Xylene	106	10.151	10.151	0.001	95	3914688	241.8	
86 Styrene	104	10.162	10.162	0.0	94	5867268	283.1	
87 Bromoform	173	10.328	10.328	0.0	97	893312	249.0	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	11111466	254.1	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	81	1521394	283.3	
91 Bromobenzene	156	10.719	10.718	0.001	94	2352640	269.7	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	57	465477	260.2	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	44	541730	297.7	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	2931489	277.9	
95 2-Chlorotoluene	126	10.884	10.884	0.0	98	2519820	263.3	
96 1,3,5-Trimethylbenzene	105	10.955	10.943	0.012	94	9201957	274.4	
104 4-Chlorotoluene	126	10.979	10.967	0.012	99	2464150	268.6	
97 tert-Butylbenzene	119	11.227	11.227	0.0	84	8845425	274.6	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	95	8752217	265.0	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	11933941	273.9	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	96	4670802	246.8	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	93	10364287	272.8	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	91	4725453	240.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	8417394	264.4	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	4346036	237.6	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	80	280695	249.9	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	94	3582174	231.8	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	91	2940017	227.7	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	1622181	230.0	
111 Naphthalene	128	13.440	13.440	0.0	97	5454801	246.2	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	93	2466056	229.6	
S 137 Trihalomethanes, Total	1				0		1008.3	
S 11 1,2-Dichloroethene, Total	96				0		477.9	
S 9 1,3-Dichloropropene, Total	75				0		509.6	
S 114 Xylenes, Total	106				0		761.8	

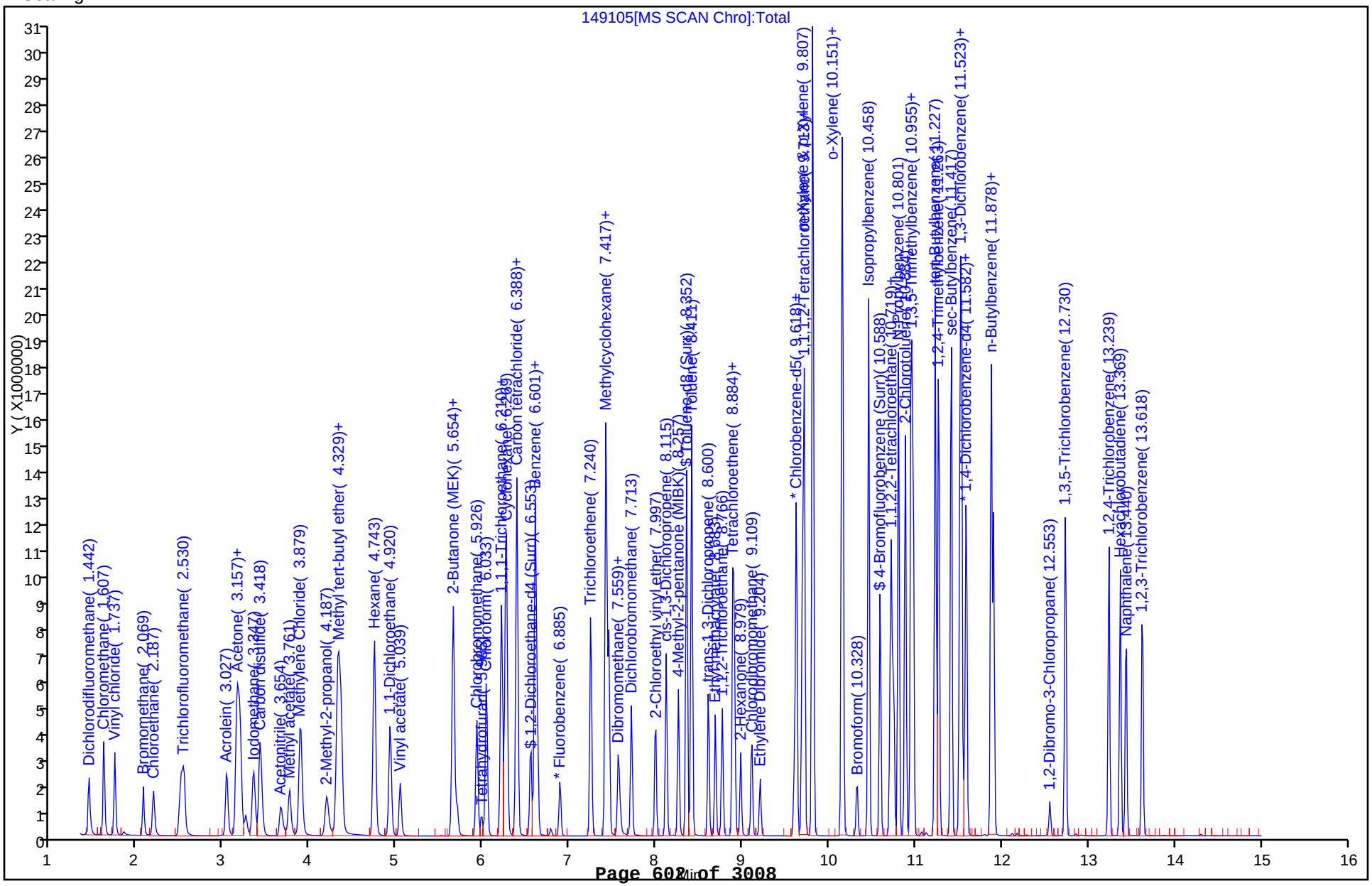
Report Date: 14-Nov-2012 15:22:51 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149105.D

Injection Date:	13-Nov-2012 16:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	3
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149106.D		
Lims ID:	IC 8	Client ID:	
Inject. Date:	13-Nov-2012 17:15:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	ic 8		
Misc. Info.:	240-0014916-004 =240-0014916-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	64859	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub16		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m		
Last Update:	14-Nov-2012 15:22:52	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK032		
First Level Reviewer: macenczaks		Date:	14-Nov-2012 09:22:13

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1472179	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	975765	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	92	546560	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	66	1559593	203.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.541	0.012	96	1675798	203.5	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	5780939	201.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	2020167	200.2	
12 Dichlorodifluoromethane	85	1.441	1.441	0.0	88	1617640	191.1	
13 Chloromethane	50	1.607	1.607	0.0	89	2694187	186.8	
14 Vinyl chloride	62	1.737	1.737	0.0	83	2226414	196.9	
15 Bromomethane	94	2.069	2.069	0.0	90	703622	194.9	
16 Chloroethane	64	2.187	2.187	0.0	93	1172950	180.5	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	86	2249017	208.4	
20 Acrolein	56	3.027	3.027	0.0	96	1899816	1900.6	
21 1,1-Dichloroethene	96	3.145	3.145	0.0	84	1690386	199.7	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	85	1585107	196.1	
22 Acetone	43	3.252	3.252	0.0	97	856133	406.9	
24 Iodomethane	142	3.346	3.347	-0.001	99	2940106	195.1	
26 Carbon disulfide	76	3.417	3.418	-0.001	99	5062701	201.4	
27 Acetonitrile	41	3.654	3.666	-0.012	99	1608529	1750.9	
28 Methyl acetate	43	3.761	3.761	0.0	98	2206523	366.1	
30 Methylene Chloride	84	3.891	3.879	0.012	88	1701753	197.3	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	91	1669586	3918.6	
32 Acrylonitrile	53	4.305	4.305	0.0	96	1038629	364.8	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	1816271	191.2	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	87	3861248	200.9	
35 Hexane	86	4.743	4.743	0.0	96	416144	186.0	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	3598243	197.5	
37 Vinyl acetate	86	5.039	5.039	0.0	97	168875	206.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	77	1230549	200.8	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	1840191	192.4	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	1139182	403.2	
47 Chlorobromomethane	128	5.926	5.926	0.0	89	822911	195.5	
48 Tetrahydrofuran	42	5.973	5.985	-0.012	92	402232	199.2	
49 Chloroform	83	6.033	6.033	0.0	85	3010090	197.2	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	89	2523886	215.1	
51 Cyclohexane	56	6.269	6.257	0.012	94	4699663	197.7	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	2399330	204.0	
53 Carbon tetrachloride	117	6.388	6.388	0.0	74	2345000	198.3	
55 Benzene	78	6.601	6.601	0.0	96	6408963	195.5	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	2268334	192.9	
60 Trichloroethene	130	7.240	7.240	0.0	91	1876080	201.9	
63 Methylcyclohexane	83	7.417	7.417	0.0	97	3589794	198.5	
62 1,2-Dichloropropane	63	7.453	7.453	-0.001	89	1709124	206.5	
65 Dibromomethane	93	7.559	7.559	0.0	92	724277	201.4	
66 1,4-Dioxane	88	7.583	7.583	0.0	95	463067	9954.5	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	1835347	204.6	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	90	1115017	404.9	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	84	2033998	202.8	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	2533577	421.0	
72 Toluene	91	8.411	8.411	0.0	91	6603246	192.5	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	92	1579454	205.1	
74 Ethyl methacrylate	69	8.683	8.683	0.0	92	1139822	202.3	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	921878	197.7	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	1484602	189.8	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	1619828	198.9	
78 2-Hexanone	43	8.979	8.979	0.0	98	1402204	447.6	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	1233608	200.8	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	954360	210.3	
82 Chlorobenzene	112	9.618	9.618	0.0	91	4395692	195.3	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	89	1670230	196.7	
84 Ethylbenzene	106	9.713	9.713	0.0	98	2431159	200.3	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	99	6038673	405.8	
85 o-Xylene	106	10.150	10.151	0.0	95	3048446	192.0	
86 Styrene	104	10.162	10.162	0.0	95	4504091	221.6	
87 Bromoform	173	10.328	10.328	0.0	98	672219	202.1	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	8563076	199.6	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	84	1185915	217.2	
91 Bromobenzene	156	10.718	10.718	0.0	94	1818475	205.1	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	73	356908	196.3	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	53	419227	226.7	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	2283863	213.0	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	1976546	203.2	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	7235493	212.3	
104 4-Chlorotoluene	126	10.967	10.967	0.0	99	1916783	205.5	
97 tert-Butylbenzene	119	11.227	11.227	0.0	85	6965216	212.7	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	95	6974339	207.8	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	9454717	213.5	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	97	3728094	193.8	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	93	8238217	213.3	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	92	3717462	186.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	6702026	207.1	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	3445460	185.3	
107 1,2-Dibromo-3-Chloropropane	157	12.552	12.553	-0.001	78	216613	200.4	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	94	2879013	183.3	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	94	2385332	181.7	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	1301644	181.6	
111 Naphthalene	128	13.440	13.440	0.0	97	4418019	196.2	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	94	1987368	182.0	
S 137 Trihalomethanes, Total	1				0		804.7	
S 11 1,2-Dichloroethene, Total	96				0		383.5	
S 9 1,3-Dichloropropene, Total	75				0		407.9	
S 114 Xylenes, Total	106				0		597.8	

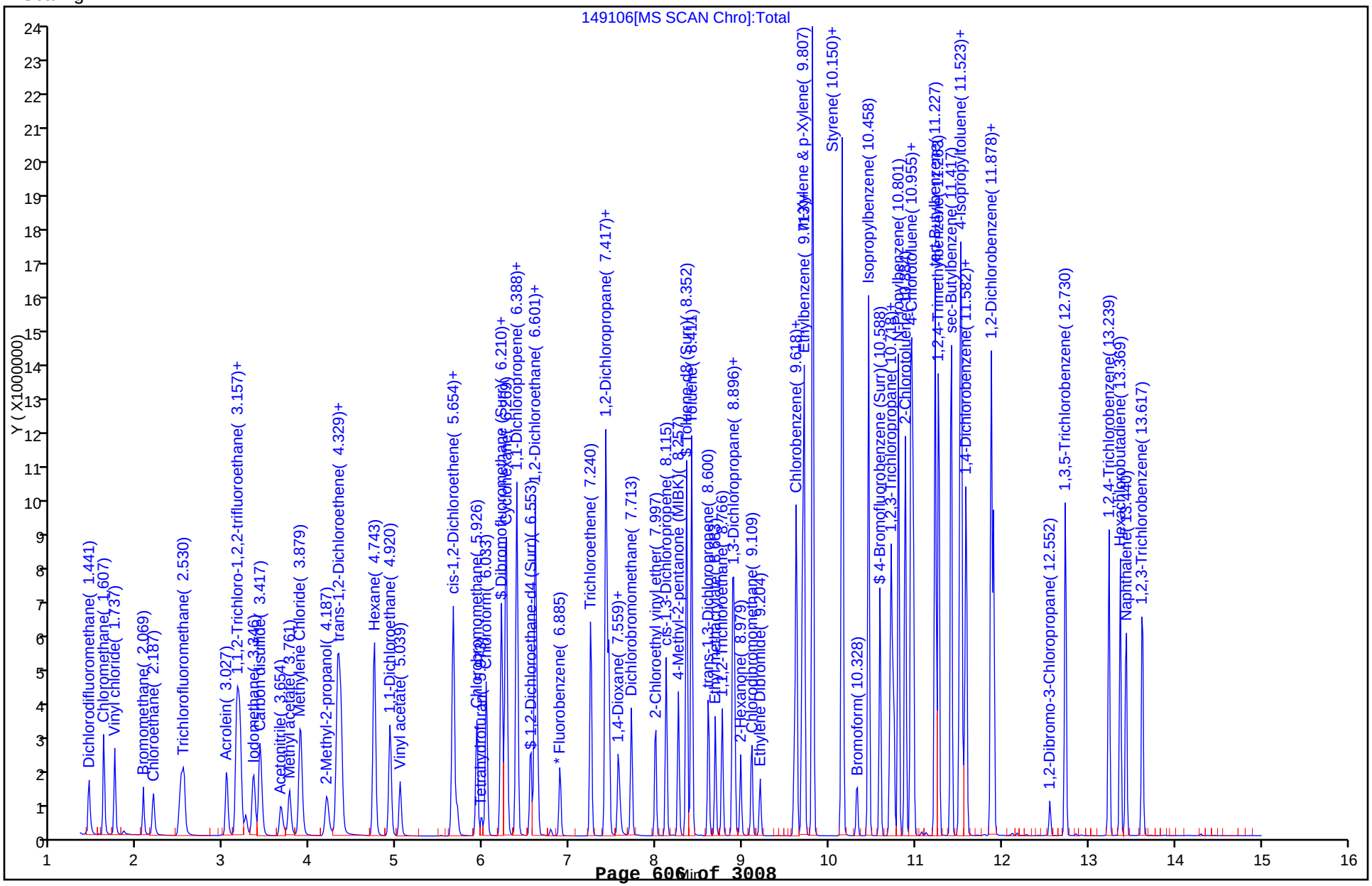
Report Date: 14-Nov-2012 15:22:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149106.D

Injection Date:	13-Nov-2012 17:15:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149107.D		
Lims ID:	IC 7	Client ID:	
Inject. Date:	13-Nov-2012 17:36:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	ic 7		
Misc. Info.:	240-0014916-005 =240-0014916-005		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	4
Lims Batch ID:	64859	Lims Sample ID:	5
Sublist:	chrom-8260_14*sub16		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m		
Last Update:	14-Nov-2012 15:22:53	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK032		
First Level Reviewer: macenczaks		Date:	14-Nov-2012 09:23:41

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1452960	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	928539	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.570	0.001	94	534668	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	74	746711	98.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.541	0.012	96	794798	97.1	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	2672083	97.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	913962	100.2	
12 Dichlorodifluoromethane	85	1.442	1.441	0.001	88	791908	94.8	
13 Chloromethane	50	1.607	1.607	0.0	89	1338903	94.1	
14 Vinyl chloride	62	1.737	1.737	0.0	83	1087283	97.4	
15 Bromomethane	94	2.069	2.069	0.0	91	346587	96.8	
16 Chloroethane	64	2.187	2.187	0.0	94	601594	93.8	
18 Trichlorofluoromethane	101	2.507	2.506	0.001	87	1088102	102.2	
20 Acrolein	56	3.039	3.027	0.012	96	921630	934.2	
21 1,1-Dichloroethene	96	3.157	3.145	0.012	85	840221	100.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.181	0.012	81	797347	100.0	
22 Acetone	43	3.252	3.252	0.0	97	426995	202.4	
24 Iodomethane	142	3.347	3.347	0.0	99	1475619	99.2	
26 Carbon disulfide	76	3.418	3.418	0.0	99	2442481	98.9	
27 Acetonitrile	41	3.666	3.666	0.0	99	796014	877.9	
28 Methyl acetate	43	3.761	3.761	0.0	98	1078716	181.4	
30 Methylene Chloride	84	3.891	3.879	0.012	88	886504	101.2	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	90	789455	1877.4	
32 Acrylonitrile	53	4.305	4.305	0.0	96	515929	183.6	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	907001	96.7	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	87	1876766	99.0	
35 Hexane	86	4.743	4.743	0.0	96	204799	92.8	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	1782565	99.2	
37 Vinyl acetate	86	5.039	5.039	0.0	97	76525	95.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	79	644879	106.6	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	77	927391	98.2	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	529115	188.9	
47 Chlorobromomethane	128	5.926	5.926	0.0	88	405931	97.7	
48 Tetrahydrofuran	42	5.985	5.985	0.0	90	185076	92.7	
49 Chloroform	83	6.033	6.033	0.0	84	1487549	98.7	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	89	1251773	108.1	
51 Cyclohexane	56	6.269	6.257	0.012	94	2344534	99.9	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	1162651	100.2	
53 Carbon tetrachloride	117	6.388	6.388	0.0	76	1152166	99.0	
55 Benzene	78	6.601	6.601	0.0	96	3133611	96.8	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	1089587	93.9	
60 Trichloroethene	130	7.240	7.240	0.0	91	900868	98.2	
63 Methylcyclohexane	83	7.417	7.417	0.0	98	1813947	101.6	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	88	823444	100.8	
65 Dibromomethane	93	7.559	7.559	0.0	87	351417	99.0	
66 1,4-Dioxane	88	7.583	7.583	0.0	94	219140	4773.1	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	832249	94.5	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	89	484654	195.4	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	84	906342	98.4	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	1136906	198.5	
72 Toluene	91	8.411	8.411	0.0	91	3076276	94.2	
73 trans-1,3-Dichloropropene	75	8.601	8.600	0.0	90	677544	93.0	
74 Ethyl methacrylate	69	8.683	8.683	0.0	92	494988	92.7	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	425536	95.9	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	697238	93.7	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	738571	95.3	
78 2-Hexanone	43	8.979	8.979	0.0	98	587510	197.1	
79 Chlorodibromomethane	129	9.109	9.109	0.0	89	524268	99.0	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	440371	102.0	
82 Chlorobenzene	112	9.618	9.618	0.0	91	2017592	94.2	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	88	803063	99.7	
84 Ethylbenzene	106	9.713	9.713	0.0	98	1120917	97.0	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	2795237	197.4	
85 o-Xylene	106	10.151	10.151	0.001	95	1464950	96.9	
86 Styrene	104	10.162	10.162	0.0	94	2032553	105.1	
87 Bromoform	173	10.328	10.328	0.0	97	269265	98.4	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	4083761	100.0	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	85	551393	103.3	
91 Bromobenzene	156	10.719	10.718	0.001	94	841041	97.0	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	77	170230	95.7	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	51	175997	97.3	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	1079721	102.9	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	933447	98.1	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	3474159	104.2	
104 4-Chlorotoluene	126	10.967	10.967	0.0	99	890356	97.6	
97 tert-Butylbenzene	119	11.227	11.227	0.0	85	3402281	106.2	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	98	3381876	103.0	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	4592616	106.0	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	97	1790188	95.1	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	94	4017166	106.3	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	91	1803761	92.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	3273708	103.4	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	1691360	93.0	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	79	92168	98.7	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	94	1413710	92.0	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	91	1145856	89.2	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	638577	91.1	
111 Naphthalene	128	13.440	13.440	0.0	97	2055400	93.3	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	93	936408	87.7	
S 137 Trihalomethanes, Total	1				0		390.7	
S 11 1,2-Dichloroethene, Total	96				0		194.9	
S 9 1,3-Dichloropropene, Total	75				0		191.5	
S 114 Xylenes, Total	106				0		294.3	

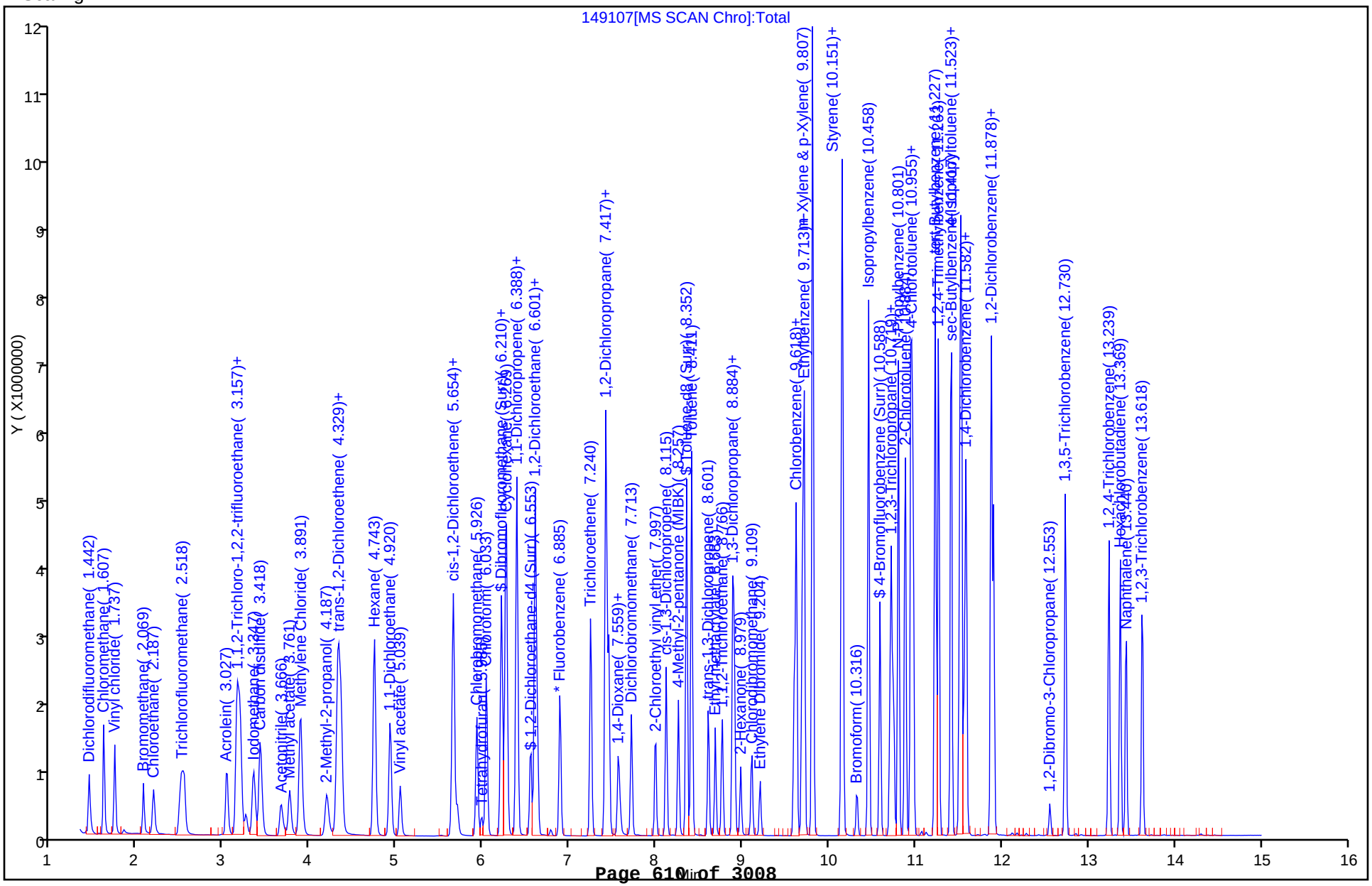
Report Date: 14-Nov-2012 15:22:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149107.D

Injection Date:	13-Nov-2012 17:36:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	5
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149108.D		
Lims ID:	ICIS 6	Client ID:	
Inject. Date:	13-Nov-2012 17:58:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	icis 6		
Misc. Info.:	240-0014916-006 =240-0014916-006		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	5
Lims Batch ID:	64859	Lims Sample ID:	6
Sublist:	chrom-8260_14*sub16		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m		
Last Update:	14-Nov-2012 15:22:54	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK032		
First Level Reviewer: macenczaks		Date:	14-Nov-2012 09:25:25

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1409266	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	863084	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	502466	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	79	353208	47.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.541	0.0	94	367475	45.6	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1223651	47.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	405001	48.6	
12 Dichlorodifluoromethane	85	1.441	1.441	0.0	87	417580	51.5	
13 Chloromethane	50	1.607	1.607	0.0	89	702799	50.9	
14 Vinyl chloride	62	1.737	1.737	0.0	84	567761	52.5	
15 Bromomethane	94	2.069	2.069	0.0	91	186493	53.3	
16 Chloroethane	64	2.187	2.187	0.0	94	314365	50.5	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	86	546945	52.9	
20 Acrolein	56	3.027	3.027	0.0	94	478056	499.6	
21 1,1-Dichloroethene	96	3.145	3.145	0.0	85	439870	54.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	84	416147	53.8	
22 Acetone	43	3.252	3.252	0.0	97	237740	113.4	
24 Iodomethane	142	3.347	3.347	0.0	99	759159	52.6	
26 Carbon disulfide	76	3.418	3.418	0.0	99	1182385	49.8	
27 Acetonitrile	41	3.666	3.666	0.0	99	431263	490.4	
28 Methyl acetate	43	3.761	3.761	0.0	98	560017	97.1	
30 Methylene Chloride	84	3.879	3.879	0.0	88	479698	53.7	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	89	422973	1037.1	
32 Acrylonitrile	53	4.305	4.305	0.0	96	269580	98.9	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	89	471393	51.8	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	95	970973	52.8	
35 Hexane	86	4.743	4.743	0.0	96	101690	47.5	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	899255	51.6	
37 Vinyl acetate	86	5.039	5.039	0.0	97	37670	48.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	73	329191	56.1	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	470162	51.3	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	273345	99.9	
47 Chlorobromomethane	128	5.926	5.926	0.0	89	206291	51.2	
48 Tetrahydrofuran	42	5.985	5.985	0.0	91	103462	53.3	
49 Chloroform	83	6.033	6.033	0.0	85	765651	52.4	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	89	632148	56.3	
51 Cyclohexane	56	6.257	6.257	0.0	95	1201508	52.8	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	592724	52.6	
53 Carbon tetrachloride	117	6.388	6.388	0.0	76	562495	50.2	
55 Benzene	78	6.601	6.601	0.0	97	1598756	50.9	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	561210	49.9	
60 Trichloroethene	130	7.240	7.240	0.0	92	450685	50.7	
63 Methylcyclohexane	83	7.417	7.417	0.0	98	930044	53.7	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	88	409880	51.7	
65 Dibromomethane	93	7.559	7.559	0.0	87	175714	51.0	
66 1,4-Dioxane	88	7.583	7.583	0.0	97	118145	2653.1	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	390809	46.2	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	90	234066	102.4	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	84	424347	50.0	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	576886	108.4	
72 Toluene	91	8.411	8.411	0.0	91	1519658	50.1	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	91	312322	46.7	
74 Ethyl methacrylate	69	8.683	8.683	0.0	93	238209	48.3	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	213126	51.7	
77 Tetrachloroethene	164	8.884	8.884	0.0	90	347815	50.3	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	362321	50.3	
78 2-Hexanone	43	8.979	8.979	0.0	98	286390	103.4	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	237486	51.3	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	214868	53.5	
82 Chlorobenzene	112	9.618	9.618	0.0	91	989339	49.7	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	88	400599	53.8	
84 Ethylbenzene	106	9.713	9.713	0.0	98	549095	51.1	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	1355176	103.0	
85 o-Xylene	106	10.151	10.151	0.0	95	734242	52.3	
86 Styrene	104	10.162	10.162	0.0	94	976030	54.3	
87 Bromoform	173	10.328	10.328	0.0	96	115056	49.9	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	2055730	54.2	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	86	269865	53.8	
91 Bromobenzene	156	10.718	10.718	0.0	94	407997	50.1	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	82	83541	50.0	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	56	80147	47.1	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	520989	52.8	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	464923	52.0	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	92	1715922	54.8	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	437183	51.0	
97 tert-Butylbenzene	119	11.227	11.227	0.0	85	1672737	55.6	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	1652909	53.6	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	2269254	55.7	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	91	863253	48.8	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	91	1921354	54.1	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	91	862272	47.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1581880	53.2	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	828934	48.5	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	74	42579	51.8	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	94	693743	48.1	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	94	556263	46.1	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	326640	49.6	
111 Naphthalene	128	13.440	13.440	0.0	97	980976	47.4	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	94	445774	44.4	
S 137 Trihalomethanes, Total	1				0		199.8	
S 11 1,2-Dichloroethene, Total	96				0		103.2	
S 9 1,3-Dichloropropene, Total	75				0		96.7	
S 114 Xylenes, Total	106				0		155.2	

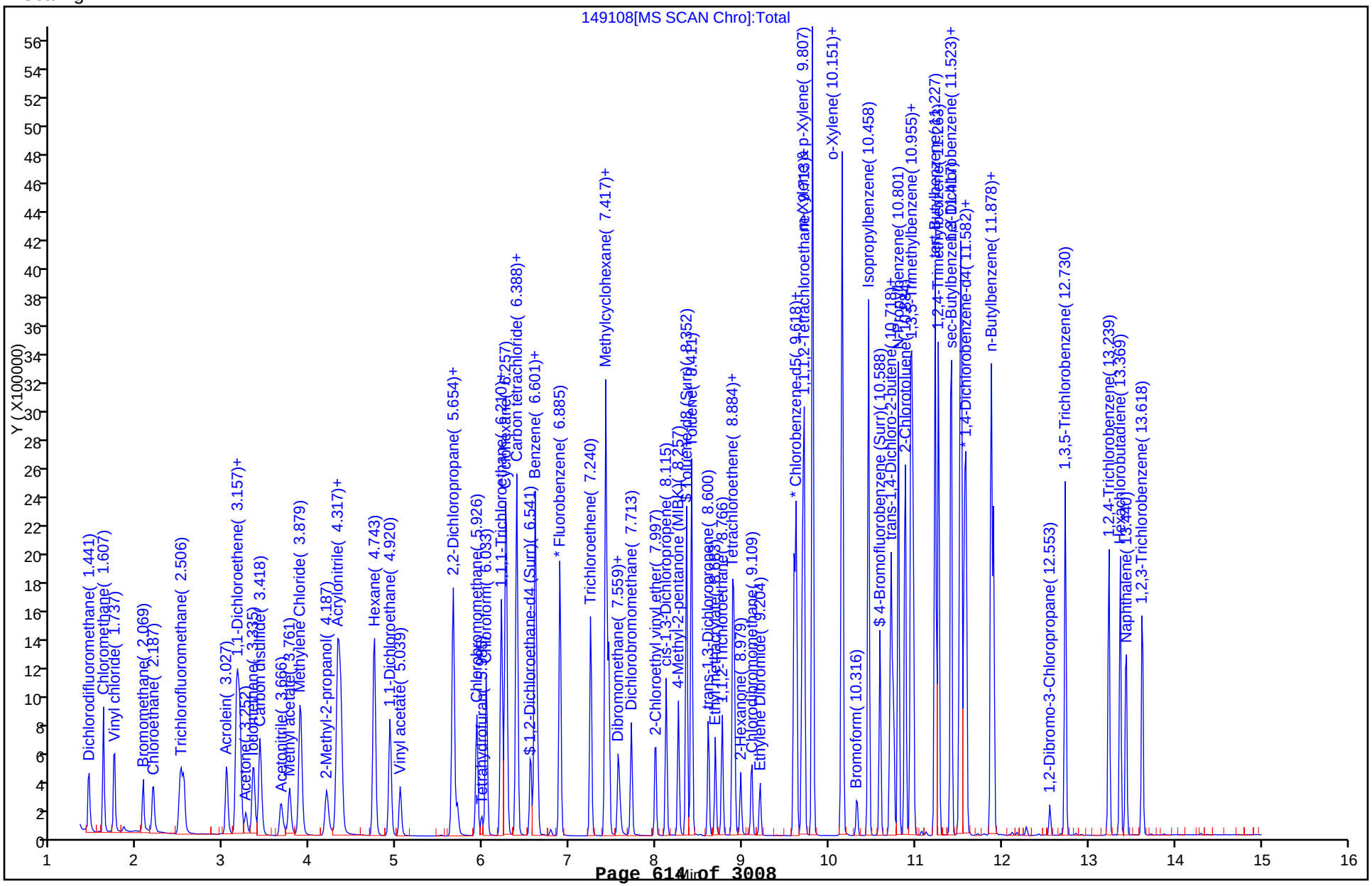
Report Date: 14-Nov-2012 15:22:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149108.D

Injection Date:	13-Nov-2012 17:58:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	6
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149109.D		
Lims ID:	IC 5	Client ID:	
Inject. Date:	13-Nov-2012 18:19:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	ic 5		
Misc. Info.:	240-0014916-007 =240-0014916-007		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	6
Lims Batch ID:	64859	Lims Sample ID:	7
Sublist:	chrom-8260_14*sub16		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m		
Last Update:	14-Nov-2012 15:22:55	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK032		
First Level Reviewer: macenczaks		Date:	14-Nov-2012 09:27:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1320475	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	765749	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	456233	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	80	146969	20.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.541	0.012	97	163888	21.0	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	489993	20.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	165025	21.4	
12 Dichlorodifluoromethane	85	1.441	1.441	0.0	87	161720	21.3	
13 Chloromethane	50	1.607	1.607	0.0	89	272081	21.0	
14 Vinyl chloride	62	1.737	1.737	0.0	84	217685	21.5	
15 Bromomethane	94	2.069	2.069	0.0	90	76008	22.7	
16 Chloroethane	64	2.187	2.187	0.0	94	121690	20.9	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	87	210534	21.7	
20 Acrolein	56	3.027	3.027	0.0	95	184449	205.7	
21 1,1-Dichloroethene	96	3.145	3.145	0.0	84	161339	21.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	83	160348	22.1	
22 Acetone	43	3.252	3.252	0.0	96	98863	46.7	
24 Iodomethane	142	3.347	3.347	-0.001	99	295018	21.8	
26 Carbon disulfide	76	3.418	3.418	0.0	99	394410	18.2	
27 Acetonitrile	41	3.666	3.666	0.0	99	171666	208.3	
28 Methyl acetate	43	3.761	3.761	0.0	98	220401	40.8	
30 Methylene Chloride	84	3.891	3.879	0.012	89	213373	22.2	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	88	165099	432.0	
32 Acrylonitrile	53	4.305	4.305	0.0	95	105995	41.5	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	89	181167	21.3	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	89	371794	21.6	
35 Hexane	86	4.743	4.743	0.0	96	38787	19.3	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	345487	21.1	
37 Vinyl acetate	86	5.039	5.039	0.0	97	13557	19.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	74	123818	22.5	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	183097	21.3	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	102501	39.0	
47 Chlorobromomethane	128	5.926	5.926	0.0	87	81624	21.6	
48 Tetrahydrofuran	42	5.985	5.985	0.0	89	39432	21.4	
49 Chloroform	83	6.033	6.033	0.0	84	289607	21.2	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	91	234761	22.3	
51 Cyclohexane	56	6.257	6.257	0.0	95	461930	21.7	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	82	221877	21.0	
53 Carbon tetrachloride	117	6.388	6.388	0.0	72	198439	19.3	
55 Benzene	78	6.601	6.601	0.0	96	612512	20.8	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	215440	20.4	
60 Trichloroethene	130	7.240	7.240	0.0	92	170019	20.4	
63 Methylcyclohexane	83	7.417	7.417	0.0	97	354215	21.8	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	87	151736	20.4	
65 Dibromomethane	93	7.559	7.559	0.0	88	66688	20.7	
66 1,4-Dioxane	88	7.583	7.583	0.0	95	44297	1061.6	
67 Dichlorobromomethane	83	7.713	7.713	0.0	90	128819	16.9	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	88	76766	38.2	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	80	135898	18.7	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	197223	41.8	
72 Toluene	91	8.411	8.411	0.0	91	559174	20.8	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	90	95928	16.9	
74 Ethyl methacrylate	69	8.683	8.683	0.0	92	77173	18.1	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	77860	21.3	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	128055	20.9	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	93	131178	20.5	
78 2-Hexanone	43	8.979	8.979	0.0	98	94486	38.4	
79 Chlorodibromomethane	129	9.109	9.109	0.0	86	71189	18.9	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	76236	21.4	
82 Chlorobenzene	112	9.618	9.618	0.0	89	353351	20.0	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	86	132946	20.5	
84 Ethylbenzene	106	9.713	9.713	0.0	98	196492	20.6	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	487854	41.8	
85 o-Xylene	106	10.150	10.151	0.0	95	269399	21.6	
86 Styrene	104	10.162	10.162	0.0	93	327115	20.5	
87 Bromoform	173	10.316	10.328	-0.012	94	33753	19.3	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	740744	22.0	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	83	98118	21.5	
91 Bromobenzene	156	10.718	10.718	0.0	93	148810	20.1	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	75	30596	20.2	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	49	27326	17.7	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	186998	20.9	
95 2-Chlorotoluene	126	10.884	10.884	0.0	98	172161	21.2	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	619176	21.8	
104 4-Chlorotoluene	126	10.967	10.967	0.0	99	157235	20.2	
97 tert-Butylbenzene	119	11.227	11.227	0.0	91	594629	21.8	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	602151	21.5	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	807678	21.8	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	97	321979	20.1	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	91	715161	22.2	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	89	329600	19.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	583487	21.6	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	319497	20.6	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	-0.001	61	14412	20.5	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	97	278916	21.3	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	94	228061	20.8	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	133386	22.3	
111 Naphthalene	128	13.440	13.440	0.0	97	388344	20.7	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	94	188992	20.7	
S 137 Trihalomethanes, Total	1				0		76.2	
S 11 1,2-Dichloroethene, Total	96				0		42.6	
S 9 1,3-Dichloropropene, Total	75				0		35.6	
S 114 Xylenes, Total	106				0		63.4	

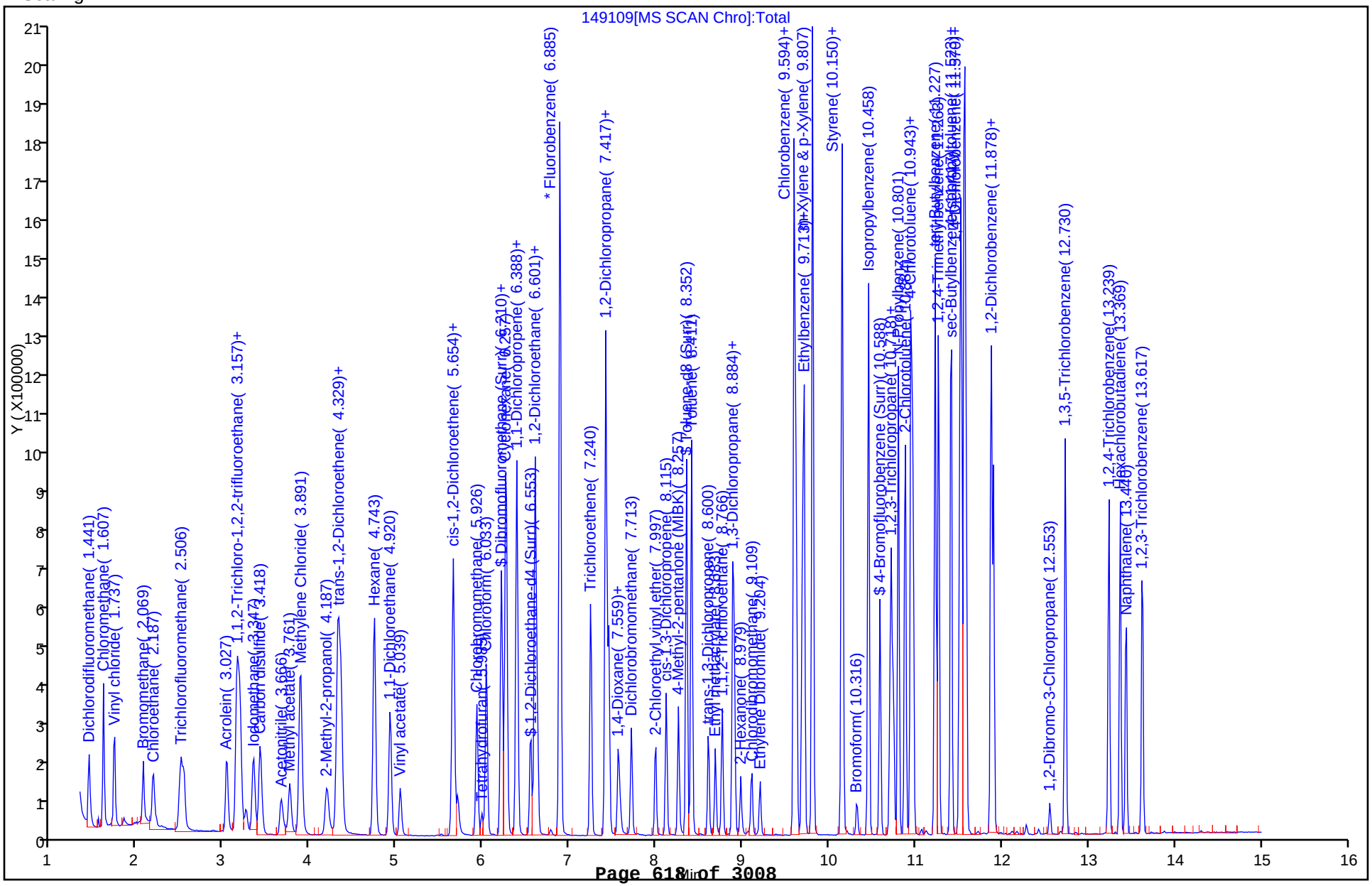
Report Date: 14-Nov-2012 15:22:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149109.D

Injection Date:	13-Nov-2012 18:19:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149110.D		
Lims ID:	IC 4	Client ID:	
Inject. Date:	13-Nov-2012 18:41:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	ic 4		
Misc. Info.:	240-0014916-008 =240-0014916-008		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	7
Lims Batch ID:	64859	Lims Sample ID:	8
Sublist:	chrom-8260_14*sub16		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m		
Last Update:	14-Nov-2012 15:22:56	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK032		
First Level Reviewer: macenczaks		Date:	14-Nov-2012 09:32:32

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1357528	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	97	759480	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	99	463545	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	80	78941	10.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.541	0.012	97	88686	10.4	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	95	261942	10.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	88484	10.5	
12 Dichlorodifluoromethane	85	1.441	1.441	0.0	86	82511	10.6	
13 Chloromethane	50	1.607	1.607	0.0	89	135262	10.2	
14 Vinyl chloride	62	1.737	1.737	0.0	83	107509	10.3	
15 Bromomethane	94	2.069	2.069	0.0	90	40346	11.2	
16 Chloroethane	64	2.187	2.187	0.0	93	62735	10.5	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	85	104736	10.5	
20 Acrolein	56	3.039	3.027	0.012	95	88115	95.6	
21 1,1-Dichloroethene	96	3.157	3.145	0.012	85	78637	10.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	84	76398	10.3	
22 Acetone	43	3.264	3.252	0.012	97	50024	19.6	
24 Iodomethane	142	3.347	3.347	0.0	99	141950	10.2	
26 Carbon disulfide	76	3.418	3.418	0.0	99	176057	8.38	
27 Acetonitrile	41	3.666	3.666	0.0	99	87036	102.7	
28 Methyl acetate	43	3.761	3.761	0.0	98	103288	18.6	
30 Methylene Chloride	84	3.891	3.879	0.012	90	126340	10.1	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	85	77319	196.8	
32 Acrylonitrile	53	4.305	4.305	0.0	55	49698	18.9	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	89	89048	10.2	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	87	174321	9.84	
35 Hexane	86	4.743	4.743	0.0	96	20234	9.81	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	169195	10.1	
37 Vinyl acetate	86	5.039	5.039	0.0	97	6066	8.64	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	71	56635	10.0	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	90166	10.2	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	95	51145	18.1	
47 Chlorobromomethane	128	5.926	5.926	0.0	87	38873	10.0	
48 Tetrahydrofuran	42	5.985	5.985	0.0	86	17698	9.14	
49 Chloroform	83	6.033	6.033	0.0	85	140994	10.0	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	89	108164	10.0	
51 Cyclohexane	56	6.257	6.257	0.0	95	225927	10.3	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	84	111163	10.2	
53 Carbon tetrachloride	117	6.388	6.388	0.0	64	92086	9.07	
55 Benzene	78	6.601	6.601	0.0	97	296845	9.82	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	89	105152	9.70	
60 Trichloroethene	130	7.240	7.240	0.0	92	84617	9.88	
63 Methylcyclohexane	83	7.417	7.417	0.0	97	175167	10.5	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	88	72151	9.46	
65 Dibromomethane	93	7.559	7.559	0.0	91	31991	9.65	
66 1,4-Dioxane	88	7.583	7.583	0.0	92	21934	511.3	
67 Dichlorobromomethane	83	7.713	7.713	0.0	89	58309	7.94	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	89	34747	18.1	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	81	55239	8.64	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	100	88556	18.9	
72 Toluene	91	8.411	8.411	0.0	96	269854	10.1	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	87	38061	7.41	
74 Ethyl methacrylate	69	8.683	8.683	0.0	90	32177	8.04	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	35558	9.80	
77 Tetrachloroethene	164	8.884	8.884	0.0	90	60520	9.94	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	95	62074	9.79	
78 2-Hexanone	43	8.979	8.979	0.0	96	41139	16.9	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	28727	8.63	
123 Ethylene Dibromide	107	9.204	9.204	0.0	97	33893	9.59	
82 Chlorobenzene	112	9.618	9.618	0.0	90	169777	9.69	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	84	57173	9.21	
84 Ethylbenzene	106	9.713	9.713	0.0	98	92859	9.83	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	228784	19.8	
85 o-Xylene	106	10.150	10.151	0.0	95	127375	10.3	
86 Styrene	104	10.162	10.162	0.0	93	148820	9.41	
87 Bromoform	173	10.328	10.328	0.0	96	14126	10.1	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	342974	10.3	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	83	43332	9.36	
91 Bromobenzene	156	10.718	10.718	0.0	93	70715	9.40	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	71	14657	9.50	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	47	14248	9.08	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	88635	9.75	
95 2-Chlorotoluene	126	10.884	10.884	0.0	98	81078	9.83	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	92	286915	9.92	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	77171	9.76	
97 tert-Butylbenzene	119	11.227	11.227	0.0	85	275197	9.91	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	97	281537	9.89	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	385185	10.3	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	91	159688	9.79	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	96	330900	10.1	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	87	164421	9.72	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	275970	10.1	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	159459	10.1	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	58	5781	8.52	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	97	142774	10.7	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	91	115215	10.4	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	93	68886	11.3	
111 Naphthalene	128	13.440	13.440	0.0	97	188376	9.86	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	95	98772	10.7	
S 137 Trihalomethanes, Total	1				0		36.6	
S 11 1,2-Dichloroethene, Total	96				0		20.4	
S 9 1,3-Dichloropropene, Total	75				0		16.0	
S 114 Xylenes, Total	106				0		30.1	

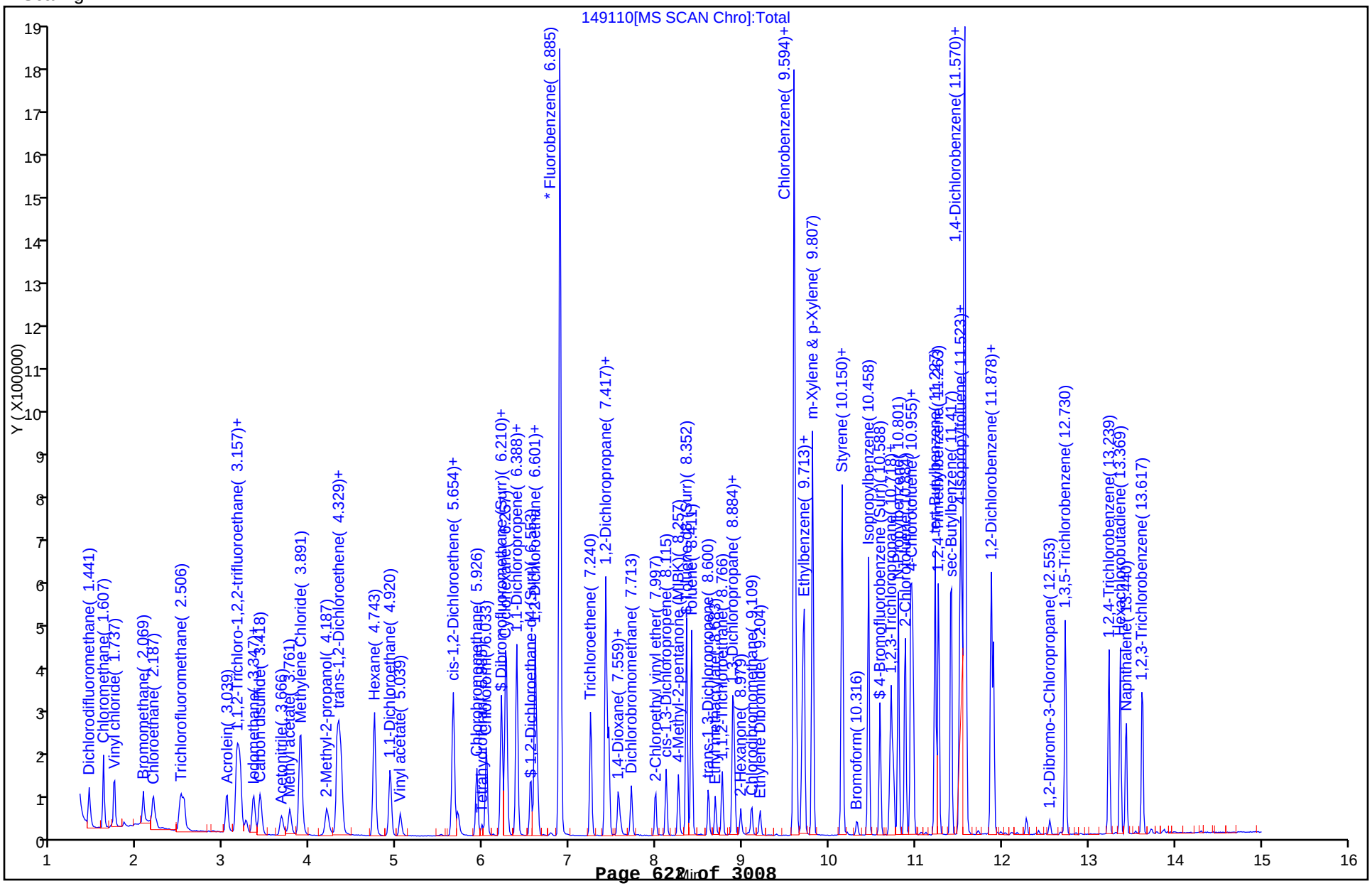
Report Date: 14-Nov-2012 15:22:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149110.D

Injection Date:	13-Nov-2012 18:41:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149111.D
Lims ID: IC 3 Client ID:
Inject. Date: 13-Nov-2012 19:02:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: ic 3
Misc. Info.: 240-0014916-009 =240-0014916-009
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 64859 Lims Sample ID: 9
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m
Last Update: 14-Nov-2012 15:22:57 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK032

First Level Reviewer: macenczaks Date: 14-Nov-2012 09:31:20

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1369758	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	97	769298	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.570	0.001	99	475963	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	78	43376	5.22	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.541	0.001	93	51229	5.37	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	94	144345	5.28	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	50923	5.05	
12 Dichlorodifluoromethane	85	1.442	1.441	0.001	86	43671	5.55	
13 Chloromethane	50	1.607	1.607	0.0	89	71181	5.30	
14 Vinyl chloride	62	1.726	1.737	-0.011	83	57964	5.51	
15 Bromomethane	94	2.069	2.069	0.0	88	21694	5.55	
16 Chloroethane	64	2.187	2.187	0.0	92	33147	5.48	
18 Trichlorofluoromethane	101	2.507	2.506	0.001	83	52063	5.19	
20 Acrolein	56	3.027	3.027	0.0	93	49585	53.3	
21 1,1-Dichloroethene	96	3.157	3.145	0.012	87	39983	5.08	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	82	40163	5.34	
22 Acetone	43	3.252	3.252	0.0	97	31391	9.72	
24 Iodomethane	142	3.335	3.347	-0.012	100	72265	5.15	
26 Carbon disulfide	76	3.418	3.418	0.0	99	84572	4.41	
27 Acetonitrile	41	3.666	3.666	0.0	98	46125	54.0	
28 Methyl acetate	43	3.761	3.761	0.0	97	58662	10.5	
30 Methylene Chloride	84	3.879	3.879	0.0	89	93360	5.74	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	83	39940	100.8	
32 Acrylonitrile	53	4.305	4.305	0.0	92	27199	10.3	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	90	47533	5.38	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	88	92686	5.18	
35 Hexane	86	4.743	4.743	0.0	96	11588	5.57	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	87326	5.15	
37 Vinyl acetate	86	5.039	5.039	0.0	97	3079	4.65	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	63	28180	4.94	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	47449	5.33	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	89	30894	10.2	
47 Chlorobromomethane	128	5.926	5.926	0.0	87	20994	5.36	
48 Tetrahydrofuran	42	5.985	5.985	0.0	87	10974	5.46	
49 Chloroform	83	6.033	6.033	0.0	84	72826	5.13	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	88	52558	4.82	
51 Cyclohexane	56	6.258	6.257	0.001	96	117550	5.32	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	59199	5.41	
53 Carbon tetrachloride	117	6.388	6.388	0.0	58	43488	4.60	
55 Benzene	78	6.601	6.601	0.0	97	160862	5.27	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	87	54823	5.01	
60 Trichloroethene	130	7.240	7.240	0.0	92	44946	5.20	
63 Methylcyclohexane	83	7.417	7.417	0.0	97	88044	5.23	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	88	38810	5.04	
65 Dibromomethane	93	7.559	7.559	0.0	89	15838	4.73	
66 1,4-Dioxane	88	7.583	7.583	0.0	93	11737	271.2	
67 Dichlorobromomethane	83	7.713	7.713	0.0	88	28387	4.30	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	89	18171	10.4	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	74	27402	5.26	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	44863	9.45	
72 Toluene	91	8.411	8.411	0.0	91	137151	5.07	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	89	18422	4.11	
74 Ethyl methacrylate	69	8.683	8.683	0.0	87	15305	4.17	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	94	17884	4.87	
77 Tetrachloroethene	164	8.884	8.884	0.0	90	33251	5.39	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	92	31225	4.86	
78 2-Hexanone	43	8.979	8.979	0.0	92	22515	9.12	
79 Chlorodibromomethane	129	9.109	9.109	0.0	82	13929	4.92	
123 Ethylene Dibromide	107	9.204	9.204	0.0	91	17983	5.03	
82 Chlorobenzene	112	9.618	9.618	0.0	87	88779	5.00	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	81	26175	4.48	
84 Ethylbenzene	106	9.713	9.713	0.0	98	48151	5.03	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	97	117908	10.1	
85 o-Xylene	106	10.151	10.151	0.001	94	64060	5.12	
86 Styrene	104	10.162	10.162	0.0	93	75133	4.69	
87 Bromoform	173	10.328	10.328	0.0	86	6385	6.25	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	172097	5.09	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	86	21908	4.61	
91 Bromobenzene	156	10.719	10.718	0.001	96	38695	5.01	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	71	8200	5.18	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	46	6839	4.25	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	46113	4.94	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	42265	4.99	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	92	144431	4.87	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	40495	4.99	
97 tert-Butylbenzene	119	11.227	11.227	0.0	90	140155	4.92	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	138620	4.74	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	190752	4.95	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	96	84949	5.07	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	84	162428	4.83	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	78	89135	5.13	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	93	139689	4.96	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	82976	5.13	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	46	3014	4.60	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	94	73328	5.36	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	61330	5.37	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	92	36068	5.78	
111 Naphthalene	128	13.440	13.440	0.0	97	96720	4.93	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	95	51672	5.43	
S 137 Trihalomethanes, Total	1				0		20.6	
S 11 1,2-Dichloroethene, Total	96				0		10.7	
S 9 1,3-Dichloropropene, Total	75				0		9.37	
S 114 Xylenes, Total	106				0		15.2	

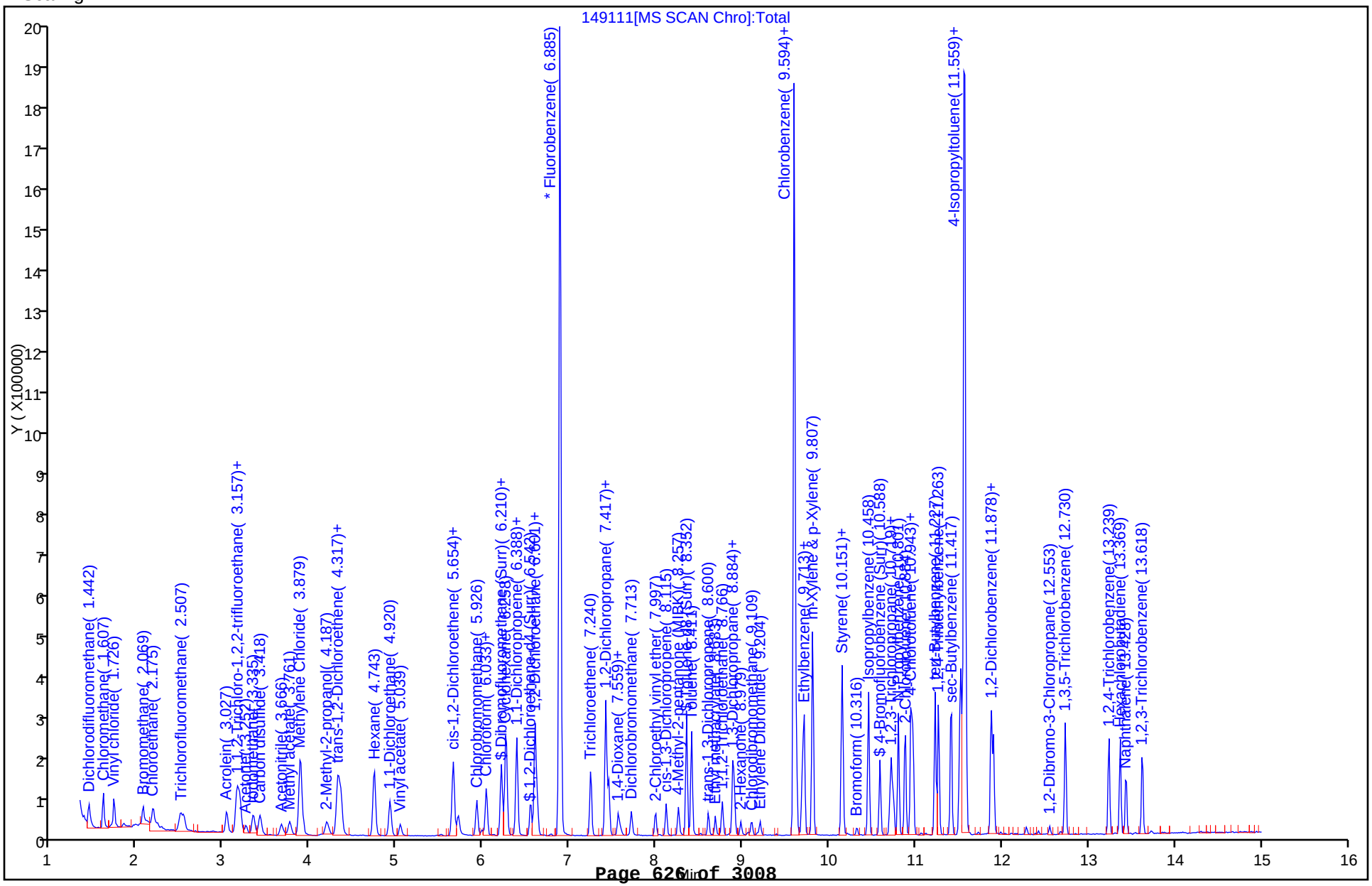
Report Date: 14-Nov-2012 15:22:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149111.D

Injection Date:	13-Nov-2012 19:02:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	9
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149112.D		
Lims ID:	IC 2	Client ID:	
Inject. Date:	13-Nov-2012 19:24:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	ic 2		
Misc. Info.:	240-0014916-010 =240-0014916-010		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	9
Lims Batch ID:	64859	Lims Sample ID:	10
Sublist:	chrom-8260_14*sub16		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m		
Last Update:	14-Nov-2012 15:22:58	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK032		
First Level Reviewer: macenczaks		Date:	14-Nov-2012 09:30:23

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1343660	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.594	0.0	98	759811	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.570	0.001	99	454007	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	67	21293	2.17	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.541	0.001	94	25772	2.09	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	94	70397	2.04	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	87	26365	1.86	
12 Dichlorodifluoromethane	85	1.430	1.441	-0.011	83	14492	1.88	
13 Chloromethane	50	1.607	1.607	0.0	89	27370	2.08	
14 Vinyl chloride	62	1.726	1.737	-0.011	83	19480	1.89	
15 Bromomethane	94	2.057	2.069	-0.012	91	8277	1.59	
16 Chloroethane	64	2.175	2.187	-0.012	91	11870	2.00	
18 Trichlorofluoromethane	101	2.495	2.506	-0.011	78	16496	1.67	
20 Acrolein	56	3.027	3.027	0.0	91	19105	20.9	
21 1,1-Dichloroethene	96	3.146	3.145	0.001	83	14243	1.84	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	87	14057	1.91	
22 Acetone	43	3.252	3.252	0.0	94	22148	5.14	
24 Iodomethane	142	3.335	3.347	-0.012	98	26435	1.92	
26 Carbon disulfide	76	3.418	3.418	0.0	98	27388	2.00	
27 Acetonitrile	41	3.666	3.666	0.0	98	20232	24.1	
28 Methyl acetate	43	3.761	3.761	0.0	97	23602	4.29	
30 Methylene Chloride	84	3.879	3.879	0.0	88	65129	2.27	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	80	15618	40.2	
32 Acrylonitrile	53	4.305	4.305	0.0	92	11229	4.32	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	17525	2.02	
34 Methyl tert-butyl ether	73	4.353	4.352	0.001	83	34001	1.94	
35 Hexane	86	4.743	4.743	0.0	94	4159	2.04	
36 1,1-Dichloroethane	63	4.921	4.920	0.0	82	31317	1.88	
37 Vinyl acetate	86	5.039	5.039	0.0	98	1280	2.33	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	58	10027	1.79	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	16683	1.91	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	45	14939	4.26	
47 Chlorobromomethane	128	5.926	5.926	0.0	85	7241	1.89	
48 Tetrahydrofuran	42	5.985	5.985	0.0	74	3649	1.59	
49 Chloroform	83	6.033	6.033	0.0	82	26809	1.92	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	78	17843	1.67	
51 Cyclohexane	56	6.258	6.257	0.001	97	39484	1.82	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	81	18859	1.76	
53 Carbon tetrachloride	117	6.388	6.388	0.0	65	14343	1.98	
55 Benzene	78	6.601	6.601	0.0	96	58561	1.96	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	94	21751	2.03	
60 Trichloroethene	130	7.240	7.240	0.0	87	16566	1.95	
63 Methylcyclohexane	83	7.417	7.417	0.0	94	27625	1.67	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	81	13836	1.83	
65 Dibromomethane	93	7.559	7.559	0.0	85	6443	1.96	
66 1,4-Dioxane	88	7.583	7.583	0.0	90	3980	93.7	
67 Dichlorobromomethane	83	7.713	7.713	0.0	85	9759	2.10	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	83	6345	5.03	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	70	9137	3.10	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	94	16736	3.57	
72 Toluene	91	8.411	8.411	0.0	95	53025	1.99	
73 trans-1,3-Dichloropropene	75	8.601	8.600	0.001	77	6269	2.13	
74 Ethyl methacrylate	69	8.683	8.683	0.0	80	6210	2.15	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	86	6770	1.86	
77 Tetrachloroethene	164	8.885	8.884	0.001	88	11858	1.95	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	87	12713	2.00	
78 2-Hexanone	43	8.979	8.979	0.0	91	8731	3.58	
79 Chlorodibromomethane	129	9.109	9.109	0.0	57	4983	2.74	
123 Ethylene Dibromide	107	9.204	9.204	0.0	87	6136	1.74	
82 Chlorobenzene	112	9.618	9.618	0.0	87	36855	2.10	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	76	8935	1.93	
84 Ethylbenzene	106	9.713	9.713	0.0	97	18275	1.93	
10 m-Xylene & p-Xylene	106	9.808	9.807	0.001	98	42642	3.68	
85 o-Xylene	106	10.151	10.151	0.001	93	24817	2.01	
86 Styrene	104	10.162	10.162	0.0	90	26907	1.70	
87 Bromoform	173	10.316	10.328	-0.012	73	2141	4.20	
88 Isopropylbenzene	105	10.458	10.458	0.0	97	59507	1.78	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	79	7468	1.65	
91 Bromobenzene	156	10.719	10.718	0.001	90	13903	1.89	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	67	2942	1.95	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	32	2744	1.79	
94 N-Propylbenzene	120	10.801	10.801	0.0	98	15593	1.75	
95 2-Chlorotoluene	126	10.884	10.884	0.0	95	14742	1.82	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	89	47056	1.66	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	14041	1.81	
97 tert-Butylbenzene	119	11.227	11.227	0.0	88	44793	1.65	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	95	50292	1.80	
99 sec-Butylbenzene	105	11.417	11.417	0.0	93	59906	1.63	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	94	32906	2.06	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	82	52909	1.65	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	77	36251	2.19	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	95	47240	1.76	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	94	32668	2.12	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	31	1114	2.09	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	96	26968	2.07	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	22983	2.11	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	90	10991	1.85	
111 Naphthalene	128	13.440	13.440	0.0	95	39563	2.11	
112 1,2,3-Trichlorobenzene	180	13.630	13.629	0.001	94	20191	2.23	
S 137 Trihalomethanes, Total	1				0		11.0	
S 11 1,2-Dichloroethene, Total	96				0		3.93	
S 9 1,3-Dichloropropene, Total	75				0		5.23	
S 114 Xylenes, Total	106				0		5.69	

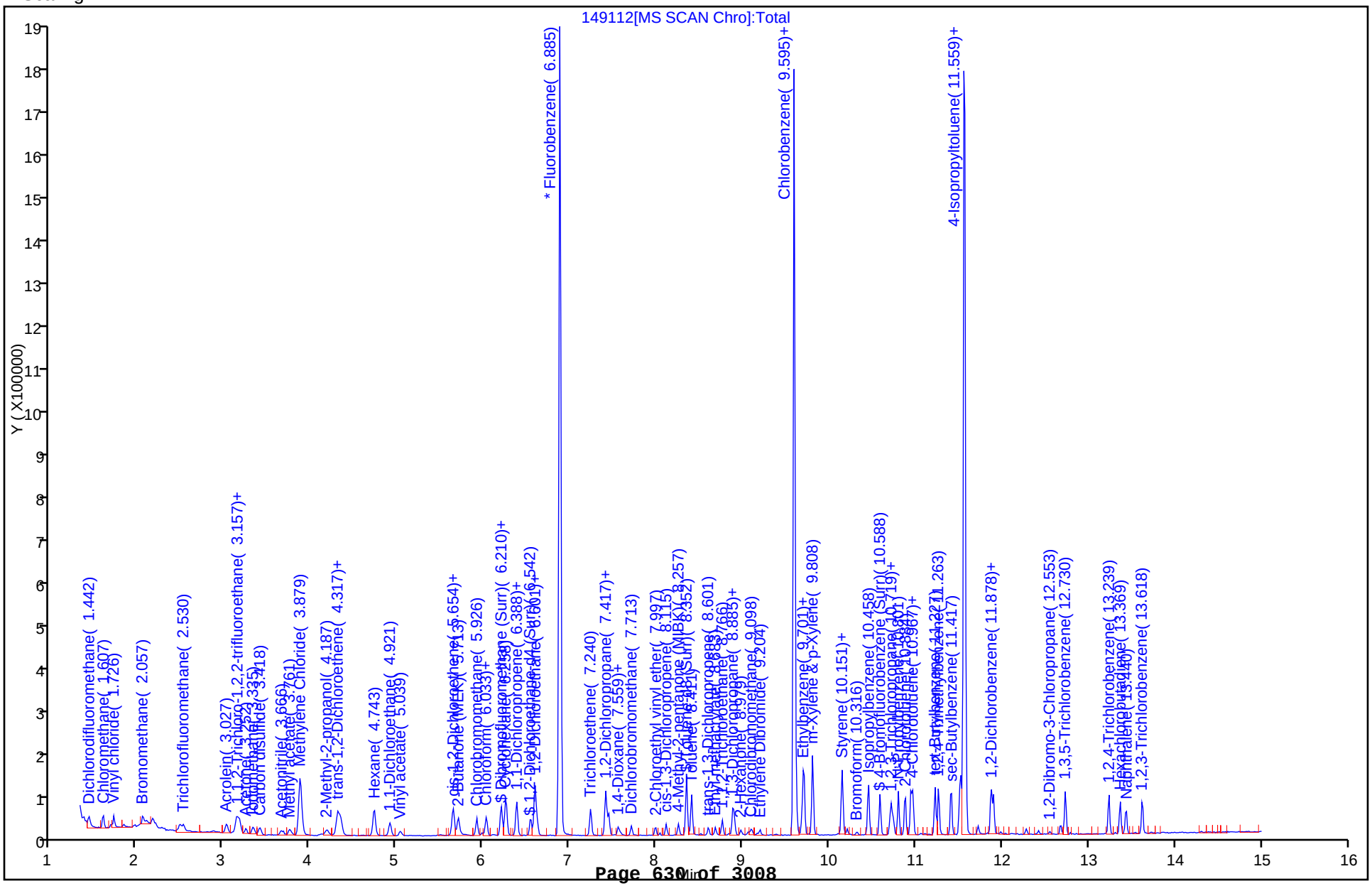
Report Date: 14-Nov-2012 15:22:58 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149112.D

Injection Date:	13-Nov-2012 19:24:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	10
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149113.D
Lims ID: IC 1 Client ID:
Inject. Date: 13-Nov-2012 19:45:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: ic 1
Misc. Info.: 240-0014916-011 =240-0014916-011
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 10
Lims Batch ID: 64859 Lims Sample ID: 11
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m
Last Update: 14-Nov-2012 15:22:59 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK032

First Level Reviewer: macenczaks Date: 14-Nov-2012 09:28:56

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1421674	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	97	822115	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	99	482747	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	49	12918	0.8594	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.541	0.0	97	17695	0.8819	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	91	48420	0.8852	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	85	16351	0.2673	
12 Dichlorodifluoromethane	85	1.441	1.441	0.0	82	7516	0.9196	
13 Chloromethane	50	1.607	1.607	0.0	88	14646	1.05	
14 Vinyl chloride	62	1.725	1.737	-0.012	78	9867	0.9036	
15 Bromomethane	94	2.069	2.069	0.0	87	6112	0.8253	
16 Chloroethane	64	2.187	2.187	0.0	80	6364	1.01	
18 Trichlorofluoromethane	101	2.495	2.506	-0.011	66	8449	0.8107	
20 Acrolein	56	3.027	3.027	0.0	97	10367	10.7	
21 1,1-Dichloroethene	96	3.145	3.145	0.0	81	7569	0.9261	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.181	0.012	65	6252	0.8011	
22 Acetone	43	3.252	3.252	0.0	96	15114	0.9809	
24 Iodomethane	142	3.347	3.347	-0.001	99	13022	0.8946	
26 Carbon disulfide	76	3.418	3.418	0.0	89	13442	1.36	
27 Acetonitrile	41	3.666	3.666	0.0	94	9385	10.6	
28 Methyl acetate	43	3.761	3.761	0.0	88	14079	2.42	
30 Methylene Chloride	84	3.879	3.879	0.0	87	54970	0.5435	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	81	8325	20.2	
32 Acrylonitrile	53	4.293	4.305	-0.012	81	6401	2.33	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	89	8450	0.9209	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	77	16031	0.8638	
35 Hexane	86	4.743	4.743	0.0	94	2602	1.20	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	16970	0.9647	
37 Vinyl acetate	86	5.050	5.039	0.011	95	403	1.13	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.654	5.642	0.012	39	4575	0.7731	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	64	8880	0.9613	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	38	9988	2.11	
47 Chlorobromomethane	128	5.926	5.926	0.0	79	3854	0.9483	
48 Tetrahydrofuran	42	5.985	5.985	0.0	82	2940	1.12	
49 Chloroform	83	6.033	6.033	0.0	79	13739	0.9320	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	58	8081	0.7133	
51 Cyclohexane	56	6.257	6.257	0.0	94	20040	0.8730	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	79	9957	0.8766	
53 Carbon tetrachloride	117	6.388	6.388	0.0	67	6386	1.21	
55 Benzene	78	6.601	6.601	0.0	94	31342	0.9900	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	92	12816	1.13	
60 Trichloroethene	130	7.240	7.240	0.0	85	8563	0.9544	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	15420	0.8831	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	81	7874	0.9854	
65 Dibromomethane	93	7.559	7.559	0.0	82	3639	1.05	
66 1,4-Dioxane	88	7.595	7.583	0.012	67	1977	44.0	
67 Dichlorobromomethane	83	7.713	7.713	0.0	79	5217	1.52	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	78	4368	3.98	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	61	5140	2.58	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	82	9717	1.92	
72 Toluene	91	8.411	8.411	0.0	94	30130	1.04	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	60	3281	1.59	
74 Ethyl methacrylate	69	8.683	8.683	0.0	75	3334	1.43	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	80	4117	1.05	
77 Tetrachloroethene	164	8.884	8.884	0.0	89	6896	1.05	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	82	7169	1.04	
78 2-Hexanone	43	8.979	8.979	0.0	93	5765	2.18	
79 Chlorodibromomethane	129	9.109	9.109	0.0	45	2658	2.11	
123 Ethylene Dibromide	107	9.204	9.204	0.0	68	3392	0.8870	
82 Chlorobenzene	112	9.618	9.618	0.0	74	20226	1.07	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	69	3948	1.13	
84 Ethylbenzene	106	9.713	9.713	0.0	97	10233	1.00	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	24371	1.94	
85 o-Xylene	106	10.150	10.151	0.0	92	12302	0.9195	
86 Styrene	104	10.162	10.162	0.0	84	14882	0.8690	
87 Bromoform	173	10.328	10.328	0.0	47	1522	3.83	
88 Isopropylbenzene	105	10.458	10.458	0.0	95	31276	0.8654	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	70	4412	0.9150	
91 Bromobenzene	156	10.718	10.718	0.0	92	8083	1.03	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	64	1693	1.05	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	17	2001	1.22	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	8099	0.8551	
95 2-Chlorotoluene	126	10.884	10.884	0.0	94	8234	0.9582	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	81	24684	0.8198	
104 4-Chlorotoluene	126	10.967	10.967	0.0	96	8345	1.01	
97 tert-Butylbenzene	119	11.227	11.227	0.0	86	22518	0.7787	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	88	26254	0.8856	
99 sec-Butylbenzene	105	11.405	11.417	-0.012	92	28989	0.7411	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	90	18520	1.09	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	80	26839	0.7868	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	42	20348	1.16	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	93	24347	0.8520	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	93	18057	1.10	
107 1,2-Dibromo-3-Chloropropane	157	12.564	12.553	0.011	1	754	1.52	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	93	14327	1.03	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	86	13485	1.16	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	83	5982	0.9447	
111 Naphthalene	128	13.440	13.440	0.0	94	21699	1.09	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	90	10634	1.10	
S 137 Trihalomethanes, Total	1				0		8.39	
S 11 1,2-Dichloroethene, Total	96				0		1.88	
S 9 1,3-Dichloropropene, Total	75				0		4.17	
S 114 Xylenes, Total	106				0		2.86	

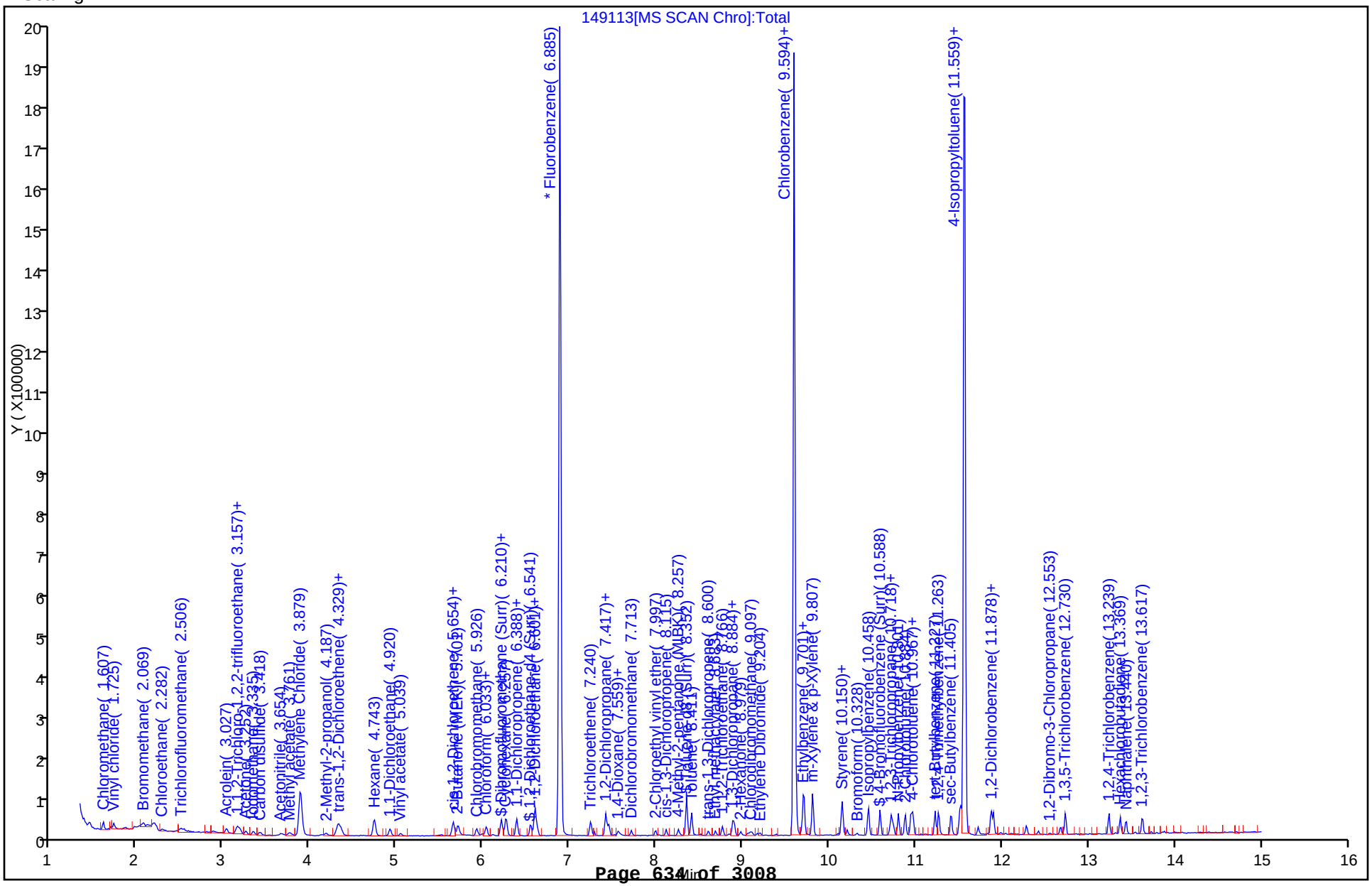
Report Date: 14-Nov-2012 15:22:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149113.D

Injection Date:	13-Nov-2012 19:45:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	11
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-64678/14 Calibration Date: 11/12/2012 19:38

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 15:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 17:02

Lab File ID: UXX0858.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1993	0.2177	0.1000	0.0109	0.0100	9.2	20.0
Chloromethane	Ave	0.3843	0.4089	0.1000	0.0106	0.0100	6.4	20.0
Vinyl chloride	Ave	0.3042	0.3274	0.1000	0.0108	0.0100	7.6	20.0
Bromomethane	Ave	0.1423	0.1415	0.0500	0.00995	0.0100	-0.5	20.0
Chloroethane	Ave	0.1471	0.1461	0.0500	0.00994	0.0100	-0.6	20.0
Trichlorofluoromethane	Ave	0.2208	0.2292	0.1000	0.0104	0.0100	3.8	20.0
Acrolein	Ave	0.0354	0.0322		0.0273	0.0300	-9.1	20.0
1,1-Dichloroethene	Ave	0.2447	0.2686	0.1000	0.0110	0.0100	9.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1853	0.1927	0.0500	0.0104	0.0100	4.0	20.0
Acetone	Lin1		0.0905	0.0500	0.0235	0.0200	17.4	20.0
Iodomethane	Ave	0.4163	0.4678		0.0112	0.0100	12.4	20.0
Carbon disulfide	Ave	0.7761	0.8842	0.1000	0.0114	0.0100	13.9	20.0
Acetonitrile	Qua		0.0389		0.0360	0.0300	19.9	20.0
Methyl acetate	Ave	0.2338	0.2379	0.1000	0.0102	0.0100	1.8	20.0
Methylene Chloride	Ave	0.3451	0.3445	0.1000	0.00998	0.0100	-0.2	20.0
2-Methyl-2-propanol	Ave	0.0202	0.0243		0.240	0.200	20.0	20.0
Acrylonitrile	Ave	0.1172	0.1200		0.0307	0.0300	2.4	20.0
Methyl tert-butyl ether	Ave	0.8708	0.9193	0.1000	0.0106	0.0100	5.6	20.0
trans-1,2-Dichloroethene	Ave	0.2998	0.3211	0.1000	0.0107	0.0100	7.1	20.0
1,1-Dichloroethane	Ave	0.5111	0.5533	0.1000	0.0108	0.0100	8.3	20.0
Vinyl acetate	Ave	0.0530	0.0512		0.00965	0.0100	-3.5	20.0
2-Butanone (MEK)	Ave	0.1314	0.1294	0.0500	0.0197	0.0200	-1.5	20.0
cis-1,2-Dichloroethene	Ave	0.3334	0.3559	0.1000	0.0107	0.0100	6.8	20.0
2,2-Dichloropropane	Ave	0.2926	0.2874		0.00982	0.0100	-1.8	20.0
Bromochloromethane	Ave	0.1617	0.1710		0.0106	0.0100	5.8	20.0
Chloroform	Ave	0.5145	0.5187	0.2000	0.0101	0.0100	0.8	20.0
1,1,1-Trichloroethane	Ave	0.3526	0.3649	0.1000	0.0103	0.0100	3.5	20.0
Cyclohexane	Ave	0.3996	0.3715	0.1000	0.00930	0.0100	-7.0	20.0
1,1-Dichloropropene	Ave	0.3619	0.3605		0.00996	0.0100	-0.4	20.0
Carbon tetrachloride	Ave	0.2845	0.2865	0.1000	0.0101	0.0100	0.7	20.0
1,2-Dichloroethane	Ave	0.3706	0.3907	0.1000	0.0105	0.0100	5.4	20.0
Benzene	Ave	1.258	1.315	0.5000	0.0105	0.0100	4.5	20.0
Trichloroethene	Ave	0.3103	0.3241	0.2000	0.0104	0.0100	4.4	20.0
1,2-Dichloropropane	Ave	0.2919	0.3068	0.1000	0.0105	0.0100	5.1	20.0
Methylcyclohexane	Ave	0.3294	0.2903	0.1000	0.00881	0.0100	-11.9	20.0
Dibromomethane	Ave	0.1691	0.1838		0.0109	0.0100	8.7	20.0
Bromodichloromethane	Ave	0.3468	0.3667	0.1000	0.0106	0.0100	5.7	20.0
cis-1,3-Dichloropropene	Ave	0.4281	0.4242	0.1500	0.00991	0.0100	-0.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2537	0.2677	0.0500	0.0211	0.0200	5.5	20.0
Toluene	Ave	1.886	1.874	0.4000	0.00994	0.0100	-0.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-64678/14 Calibration Date: 11/12/2012 19:38

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 15:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 17:02

Lab File ID: UXX0858.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.5342	0.5486	0.1000	0.0103	0.0100	2.7	20.0
1,1,2-Trichloroethane	Ave	0.3821	0.3892	0.1000	0.0102	0.0100	1.9	20.0
1,3-Dichloropropane	Ave	0.6731	0.6835		0.0102	0.0100	1.5	20.0
Tetrachloroethene	Ave	0.3403	0.3254	0.2000	0.00956	0.0100	-4.4	20.0
2-Hexanone	Ave	0.2308	0.2374	0.0500	0.0206	0.0200	2.9	20.0
Dibromochloromethane	Ave	0.3707	0.3744		0.0101	0.0100	1.0	20.0
1,2-Dibromoethane	Ave	0.3704	0.3750		0.0101	0.0100	1.2	20.0
Chlorobenzene	Ave	1.193	1.189	0.3000	0.00997	0.0100	-0.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4139	0.4132		0.00998	0.0100	-0.2	20.0
Ethylbenzene	Ave	0.5964	0.6087		0.0102	0.0100	2.1	20.0
m-Xylene & p-Xylene	Ave	0.7563	0.7570		0.0200	0.0200	0.0	20.0
o-Xylene	Ave	0.7419	0.7763		0.0105	0.0100	4.6	20.0
Styrene	Ave	1.191	1.255	0.3000	0.0105	0.0100	5.4	20.0
Bromoform	Ave	0.2244	0.2208	0.1000	0.00984	0.0100	-1.6	20.0
Isopropylbenzene	Ave	1.667	1.686	0.1000	0.0101	0.0100	1.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9320	0.8642	0.3000	0.00927	0.0100	-7.3	20.0
Bromobenzene	Ave	0.9309	0.9092		0.00977	0.0100	-2.3	20.0
1,2,3-Trichloropropane	Ave	0.3012	0.2962		0.00983	0.0100	-1.7	20.0
N-Propylbenzene	Ave	0.8226	0.7998		0.00972	0.0100	-2.8	20.0
2-Chlorotoluene	Ave	0.8267	0.8033		0.00972	0.0100	-2.8	20.0
1,3,5-Trimethylbenzene	Ave	2.535	2.532		0.00999	0.0100	-0.1	20.0
4-Chlorotoluene	Ave	0.8808	0.8572		0.00973	0.0100	-2.7	20.0
tert-Butylbenzene	Ave	2.082	1.937		0.00931	0.0100	-6.9	20.0
1,2,4-Trimethylbenzene	Ave	2.621	2.638		0.0101	0.0100	0.6	20.0
sec-Butylbenzene	Ave	2.652	2.466		0.00930	0.0100	-7.0	20.0
1,3-Dichlorobenzene	Ave	1.669	1.586	0.6000	0.00950	0.0100	-5.0	20.0
4-Isopropyltoluene	Ave	2.229	2.186		0.00981	0.0100	-1.9	20.0
1,4-Dichlorobenzene	Ave	1.798	1.663	0.5000	0.00925	0.0100	-7.5	20.0
n-Butylbenzene	Ave	1.765	1.649		0.00935	0.0100	-6.5	20.0
1,2-Dichlorobenzene	Ave	1.670	1.583	0.4000	0.00948	0.0100	-5.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1572	0.1402	0.0500	0.00892	0.0100	-10.8	20.0
1,2,4-Trichlorobenzene	Ave	0.8483	0.6689	0.2000	0.00788	0.0100	-21.2*	20.0
Hexachlorobutadiene	Qua		0.2368		0.00685	0.0100	-31.5*	20.0
Naphthalene	Ave	2.585	1.767		0.00683	0.0100	-31.7*	20.0
1,2,3-Trichlorobenzene	Ave	0.9161	0.6183		0.00675	0.0100	-32.5*	20.0
Dibromofluoromethane (Surr)	Ave	0.2739	0.2738		0.0100	0.0100	-0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3219	0.3335		0.0104	0.0100	3.6	20.0
Toluene-d8 (Surr)	Ave	1.574	1.567		0.00996	0.0100	-0.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5205	0.5217		0.0100	0.0100	0.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0858.D
Lims ID: ICV Client ID:
Inject. Date: 12-Nov-2012 19:38:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014871-014
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 64678 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:23:03 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

First Level Reviewer: quayler Date: 13-Nov-2012 09:00:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.204	-0.001	99	1733806	10.0	
* 2 Chlorobenzene-d5	117	7.877	7.878	-0.001	84	1200825	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	86	656657	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.635	4.627	0.008	67	474779	10.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.923	-0.003	0	578230	10.4	
$ 7 Toluene-d8 (Surr)	98	6.564	6.567	-0.003	93	1881686	9.96	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	90	626481	10.0	
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	96	377423	10.9	
13 Chloromethane	50	1.689	1.704	-0.015	88	708928	10.6	
14 Vinyl chloride	62	1.795	1.799	-0.004	94	567623	10.8	
16 Bromomethane	94	2.091	2.094	-0.003	90	245374	9.95	
17 Chloroethane	64	2.174	2.177	-0.003	94	253349	9.94	
19 Trichlorofluoromethane	101	2.387	2.390	-0.003	98	397419	10.4	
20 Ethyl ether	59	2.600	2.601	-0.001	88	482426	11.0	
21 Acrolein	56	2.707	2.698	0.009	90	167384	27.3	
23 1,1-Dichloroethene	96	2.813	2.816	-0.003	94	465617	11.0	
24 Acetone	43	2.825	2.828	-0.003	89	313899	23.5	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.840	-0.015	83	334041	10.4	
26 Iodomethane	142	2.943	2.935	0.008	96	811057	11.2	
27 Carbon disulfide	76	3.002	3.006	-0.004	98	1533075	11.4	
28 Acetonitrile	41	3.050	3.053	-0.003	98	202282	36.0	
30 Methyl acetate	43	3.097	3.100	-0.003	95	412477	10.2	
31 Methylene Chloride	84	3.192	3.195	-0.003	88	597311	9.98	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	99	841124	240.0	
33 Acrylonitrile	53	3.381	3.384	-0.003	99	624148	30.7	
35 Methyl tert-butyl ether	73	3.428	3.432	-0.004	85	1593919	10.6	
34 trans-1,2-Dichloroethene	96	3.428	3.432	-0.004	60	556717	10.7	
36 Hexane	86	3.665	3.656	0.009	91	78615	9.48	
37 1,1-Dichloroethane	63	3.771	3.775	-0.004	85	959371	10.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Vinyl acetate	86	3.795	3.798	-0.003	97	88731	9.65	
39 Isopropyl ether	87	3.819	3.820	-0.001	95	542311	10.8	
42 2-Butanone (MEK)	43	4.245	4.236	0.009	68	448547	19.7	
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	81	617044	10.7	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	88	498345	9.82	
48 Chlorobromomethane	128	4.446	4.449	-0.003	88	296503	10.6	
49 Tetrahydrofuran	42	4.493	4.485	0.008	94	171312	10.2	
50 Chloroform	83	4.493	4.497	-0.004	81	899259	10.1	
51 1,1,1-Trichloroethane	97	4.671	4.674	-0.003	88	632699	10.3	
52 Cyclohexane	56	4.742	4.745	-0.003	87	644176	9.30	
53 1,1-Dichloropropene	75	4.813	4.804	0.009	96	625005	9.96	
54 Carbon tetrachloride	117	4.825	4.816	0.009	78	496653	10.1	
55 Isobutyl alcohol	41	4.848	4.849	-0.001	95	803006	506.1	
56 1,2-Dichloroethane	62	4.978	4.982	-0.004	53	677427	10.5	
57 Benzene	78	4.978	4.982	-0.004	94	2280048	10.5	
61 Trichloroethene	130	5.523	5.514	0.009	92	561868	10.4	
63 Methylcyclohexane	83	5.700	5.703	-0.003	83	503273	8.81	
64 1,2-Dichloropropane	63	5.700	5.703	-0.003	86	531900	10.5	
66 Dibromomethane	93	5.807	5.798	0.009	85	318627	10.9	
68 Dichlorobromomethane	83	5.925	5.928	-0.003	100	635754	10.6	
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	91	286052	9.96	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	92	735422	9.91	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.437	0.009	95	928124	21.1	
73 Toluene	91	6.623	6.626	-0.003	98	2250888	9.94	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	88	658804	10.3	
76 1,1,2-Trichloroethane	97	6.966	6.970	-0.004	91	467380	10.2	
77 1,3-Dichloropropane	76	7.120	7.123	-0.003	91	820723	10.2	
78 Tetrachloroethene	164	7.132	7.135	-0.003	92	390726	9.56	
79 2-Hexanone	43	7.179	7.183	-0.004	96	570251	20.6	
81 Chlorodibromomethane	129	7.333	7.336	-0.003	90	449523	10.1	
83 Ethylene Dibromide	107	7.451	7.455	-0.004	99	450271	10.1	
85 Chlorobenzene	112	7.913	7.904	0.009	97	1427849	9.97	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.975	-0.003	84	496117	9.98	
87 Ethylbenzene	106	8.008	8.011	-0.003	97	730912	10.2	
88 m-Xylene & p-Xylene	106	8.114	8.117	-0.003	99	1818083	20.0	
89 o-Xylene	106	8.493	8.496	-0.003	90	932232	10.5	
90 Styrene	104	8.505	8.508	-0.003	93	1507119	10.5	
91 Bromoform	173	8.682	8.685	-0.003	98	265154	9.84	
92 Isopropylbenzene	105	8.848	8.851	-0.003	95	2025033	10.1	
94 Cyclohexanone	55	8.931	8.932	-0.001	88	376968	51.9	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.111	-0.003	93	567498	9.27	
96 Bromobenzene	156	9.144	9.147	-0.003	92	597026	9.77	
97 1,2,3-Trichloropropane	110	9.155	9.159	-0.004	72	194508	9.83	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.170	-0.003	74	235546	17.6	
99 N-Propylbenzene	120	9.250	9.241	0.009	97	525200	9.72	
100 2-Chlorotoluene	126	9.333	9.336	-0.003	97	527466	9.72	
101 1,3,5-Trimethylbenzene	105	9.416	9.407	0.009	92	1662869	9.99	
102 4-Chlorotoluene	126	9.439	9.431	0.008	96	562871	9.73	
103 tert-Butylbenzene	119	9.735	9.738	-0.003	85	1271954	9.31	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	76	1732194	10.1	
105 sec-Butylbenzene	105	9.948	9.951	-0.003	92	1619588	9.30	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	97	1041473	9.50	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.090	10.093	-0.003	93	1435438	9.81	
108 1,4-Dichlorobenzene	146	10.149	10.153	-0.004	94	1091774	9.25	
109 1,2,3-Trimethylbenzene	105	10.197	10.198	-0.001	95	1858034	10.3	
110 n-Butylbenzene	91	10.493	10.496	-0.004	94	1082803	9.35	
111 1,2-Dichlorobenzene	146	10.516	10.519	-0.003	97	1039465	9.48	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.289	-0.004	83	92074	8.92	
114 1,2,4-Trichlorobenzene	180	12.125	12.129	-0.004	93	439209	7.88	
115 Hexachlorobutadiene	225	12.303	12.306	-0.003	95	155523	6.85	
116 Naphthalene	128	12.374	12.377	-0.003	100	1160078	6.83	
117 1,2,3-Trichlorobenzene	180	12.622	12.626	-0.004	99	406007	6.75	
S 119 Trihalomethanes, Total	1				0		40.6	
S 120 1,2-Dichloroethene, Total	96				0		21.4	
S 122 Xylenes, Total	106				0		30.5	

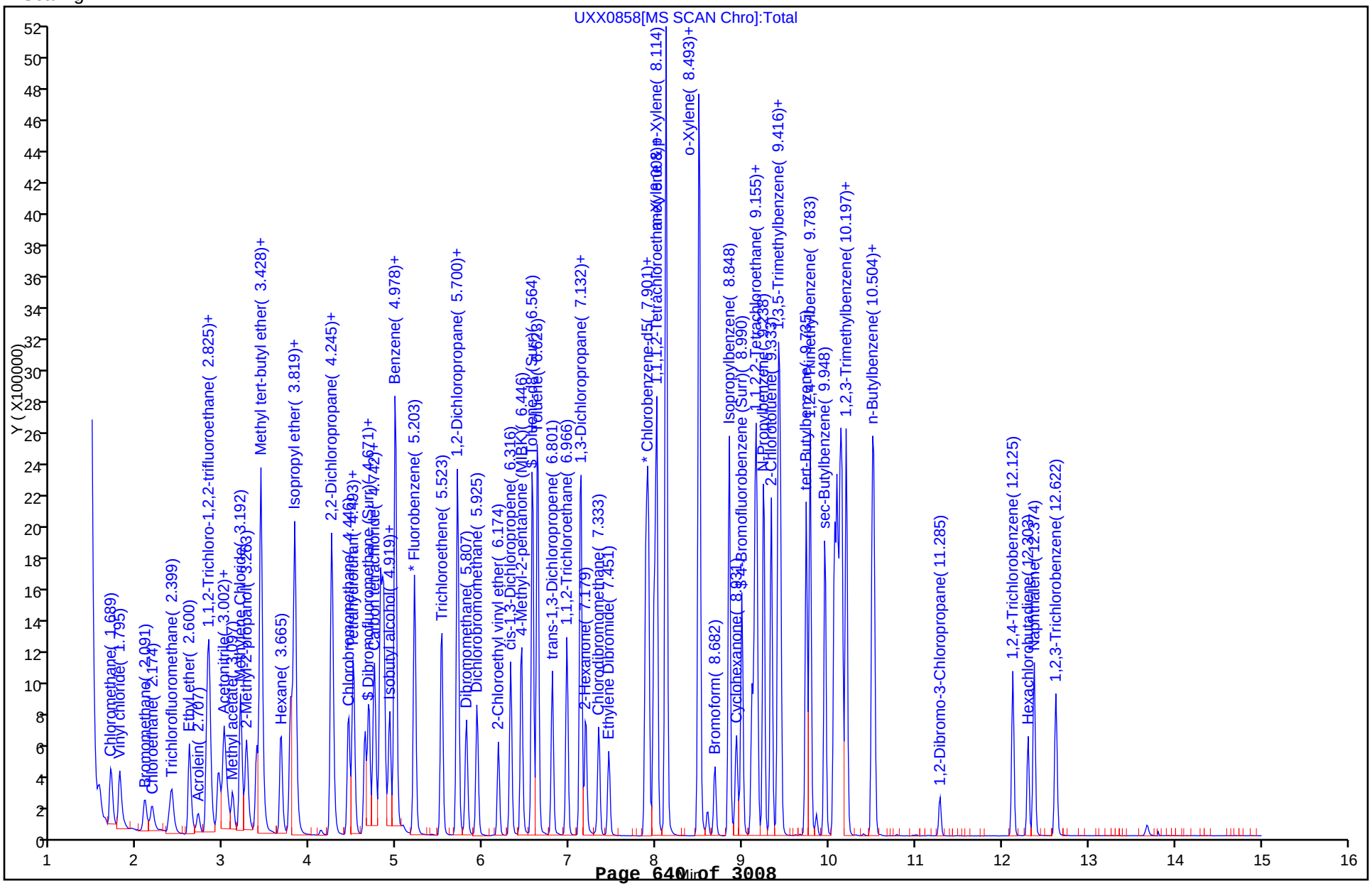
Report Date: 14-Nov-2012 12:23:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0858.D

Injection Date:	12-Nov-2012 19:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-64678/14 Calibration Date: 11/12/2012 19:38

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 17:24

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 19:16

Lab File ID: UXX0858.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isobutyl alcohol	Ave	0.0132	0.0134		0.506	0.500	1.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0858.D
Lims ID: ICV Client ID:
Inject. Date: 12-Nov-2012 19:38:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014871-014
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 64678 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:23:03 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

First Level Reviewer: quayler Date: 13-Nov-2012 09:00:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.204	-0.001	99	1733806	10.0	
* 2 Chlorobenzene-d5	117	7.877	7.878	-0.001	84	1200825	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	86	656657	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.635	4.627	0.008	67	474779	10.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.923	-0.003	0	578230	10.4	
$ 7 Toluene-d8 (Surr)	98	6.564	6.567	-0.003	93	1881686	9.96	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	90	626481	10.0	
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	96	377423	10.9	
13 Chloromethane	50	1.689	1.704	-0.015	88	708928	10.6	
14 Vinyl chloride	62	1.795	1.799	-0.004	94	567623	10.8	
16 Bromomethane	94	2.091	2.094	-0.003	90	245374	9.95	
17 Chloroethane	64	2.174	2.177	-0.003	94	253349	9.94	
19 Trichlorofluoromethane	101	2.387	2.390	-0.003	98	397419	10.4	
20 Ethyl ether	59	2.600	2.601	-0.001	88	482426	11.0	
21 Acrolein	56	2.707	2.698	0.009	90	167384	27.3	
23 1,1-Dichloroethene	96	2.813	2.816	-0.003	94	465617	11.0	
24 Acetone	43	2.825	2.828	-0.003	89	313899	23.5	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.840	-0.015	83	334041	10.4	
26 Iodomethane	142	2.943	2.935	0.008	96	811057	11.2	
27 Carbon disulfide	76	3.002	3.006	-0.004	98	1533075	11.4	
28 Acetonitrile	41	3.050	3.053	-0.003	98	202282	36.0	
30 Methyl acetate	43	3.097	3.100	-0.003	95	412477	10.2	
31 Methylene Chloride	84	3.192	3.195	-0.003	88	597311	9.98	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	99	841124	240.0	
33 Acrylonitrile	53	3.381	3.384	-0.003	99	624148	30.7	
35 Methyl tert-butyl ether	73	3.428	3.432	-0.004	85	1593919	10.6	
34 trans-1,2-Dichloroethene	96	3.428	3.432	-0.004	60	556717	10.7	
36 Hexane	86	3.665	3.656	0.009	91	78615	9.48	
37 1,1-Dichloroethane	63	3.771	3.775	-0.004	85	959371	10.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Vinyl acetate	86	3.795	3.798	-0.003	97	88731	9.65	
39 Isopropyl ether	87	3.819	3.820	-0.001	95	542311	10.8	
42 2-Butanone (MEK)	43	4.245	4.236	0.009	68	448547	19.7	
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	81	617044	10.7	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	88	498345	9.82	
48 Chlorobromomethane	128	4.446	4.449	-0.003	88	296503	10.6	
49 Tetrahydrofuran	42	4.493	4.485	0.008	94	171312	10.2	
50 Chloroform	83	4.493	4.497	-0.004	81	899259	10.1	
51 1,1,1-Trichloroethane	97	4.671	4.674	-0.003	88	632699	10.3	
52 Cyclohexane	56	4.742	4.745	-0.003	87	644176	9.30	
53 1,1-Dichloropropene	75	4.813	4.804	0.009	96	625005	9.96	
54 Carbon tetrachloride	117	4.825	4.816	0.009	78	496653	10.1	
55 Isobutyl alcohol	41	4.848	4.849	-0.001	95	803006	506.1	
56 1,2-Dichloroethane	62	4.978	4.982	-0.004	53	677427	10.5	
57 Benzene	78	4.978	4.982	-0.004	94	2280048	10.5	
61 Trichloroethene	130	5.523	5.514	0.009	92	561868	10.4	
63 Methylcyclohexane	83	5.700	5.703	-0.003	83	503273	8.81	
64 1,2-Dichloropropane	63	5.700	5.703	-0.003	86	531900	10.5	
66 Dibromomethane	93	5.807	5.798	0.009	85	318627	10.9	
68 Dichlorobromomethane	83	5.925	5.928	-0.003	100	635754	10.6	
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	91	286052	9.96	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	92	735422	9.91	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.437	0.009	95	928124	21.1	
73 Toluene	91	6.623	6.626	-0.003	98	2250888	9.94	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	88	658804	10.3	
76 1,1,2-Trichloroethane	97	6.966	6.970	-0.004	91	467380	10.2	
77 1,3-Dichloropropane	76	7.120	7.123	-0.003	91	820723	10.2	
78 Tetrachloroethene	164	7.132	7.135	-0.003	92	390726	9.56	
79 2-Hexanone	43	7.179	7.183	-0.004	96	570251	20.6	
81 Chlorodibromomethane	129	7.333	7.336	-0.003	90	449523	10.1	
83 Ethylene Dibromide	107	7.451	7.455	-0.004	99	450271	10.1	
85 Chlorobenzene	112	7.913	7.904	0.009	97	1427849	9.97	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.975	-0.003	84	496117	9.98	
87 Ethylbenzene	106	8.008	8.011	-0.003	97	730912	10.2	
88 m-Xylene & p-Xylene	106	8.114	8.117	-0.003	99	1818083	20.0	
89 o-Xylene	106	8.493	8.496	-0.003	90	932232	10.5	
90 Styrene	104	8.505	8.508	-0.003	93	1507119	10.5	
91 Bromoform	173	8.682	8.685	-0.003	98	265154	9.84	
92 Isopropylbenzene	105	8.848	8.851	-0.003	95	2025033	10.1	
94 Cyclohexanone	55	8.931	8.932	-0.001	88	376968	51.9	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.111	-0.003	93	567498	9.27	
96 Bromobenzene	156	9.144	9.147	-0.003	92	597026	9.77	
97 1,2,3-Trichloropropane	110	9.155	9.159	-0.004	72	194508	9.83	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.170	-0.003	74	235546	17.6	
99 N-Propylbenzene	120	9.250	9.241	0.009	97	525200	9.72	
100 2-Chlorotoluene	126	9.333	9.336	-0.003	97	527466	9.72	
101 1,3,5-Trimethylbenzene	105	9.416	9.407	0.009	92	1662869	9.99	
102 4-Chlorotoluene	126	9.439	9.431	0.008	96	562871	9.73	
103 tert-Butylbenzene	119	9.735	9.738	-0.003	85	1271954	9.31	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	76	1732194	10.1	
105 sec-Butylbenzene	105	9.948	9.951	-0.003	92	1619588	9.30	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	97	1041473	9.50	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.090	10.093	-0.003	93	1435438	9.81	
108 1,4-Dichlorobenzene	146	10.149	10.153	-0.004	94	1091774	9.25	
109 1,2,3-Trimethylbenzene	105	10.197	10.198	-0.001	95	1858034	10.3	
110 n-Butylbenzene	91	10.493	10.496	-0.004	94	1082803	9.35	
111 1,2-Dichlorobenzene	146	10.516	10.519	-0.003	97	1039465	9.48	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.289	-0.004	83	92074	8.92	
114 1,2,4-Trichlorobenzene	180	12.125	12.129	-0.004	93	439209	7.88	
115 Hexachlorobutadiene	225	12.303	12.306	-0.003	95	155523	6.85	
116 Naphthalene	128	12.374	12.377	-0.003	100	1160078	6.83	
117 1,2,3-Trichlorobenzene	180	12.622	12.626	-0.004	99	406007	6.75	
S 119 Trihalomethanes, Total	1				0		40.6	
S 120 1,2-Dichloroethene, Total	96				0		21.4	
S 122 Xylenes, Total	106				0		30.5	

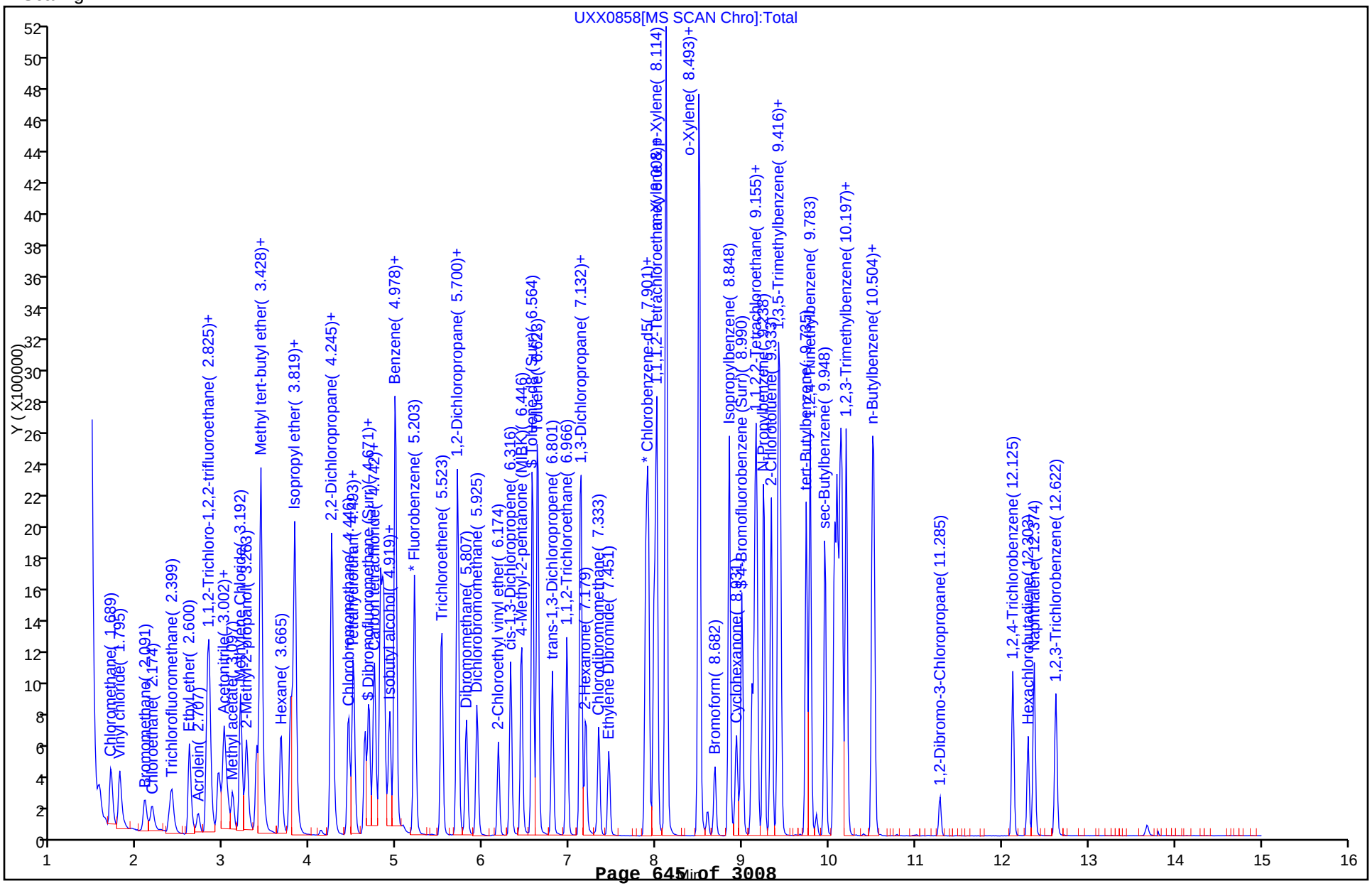
Report Date: 14-Nov-2012 12:23:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0858.D

Injection Date:	12-Nov-2012 19:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-64831/2 Calibration Date: 11/13/2012 11:25

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 15:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 17:02

Lab File ID: UXX0862.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1993	0.2169	0.1000	0.0109	0.0100	8.8	20.0
Chloromethane	Ave	0.3843	0.3538	0.1000	0.00921	0.0100	-7.9	20.0
Vinyl chloride	Ave	0.3042	0.3121	0.1000	0.0103	0.0100	2.6	20.0
Bromomethane	Ave	0.1423	0.1550	0.0500	0.0109	0.0100	8.9	20.0
Chloroethane	Ave	0.1471	0.1576	0.0500	0.0107	0.0100	7.2	20.0
Trichlorofluoromethane	Ave	0.2208	0.2540	0.1000	0.0115	0.0100	15.0	20.0
Acrolein	Ave	0.0354	0.0347		0.0980	0.100	-2.0	20.0
1,1-Dichloroethene	Ave	0.2447	0.2366	0.1000	0.00967	0.0100	-3.3	20.0
Acetone	Lin1		0.0750	0.0500	0.0191	0.0200	-4.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1853	0.1867	0.0500	0.0101	0.0100	0.7	20.0
Iodomethane	Ave	0.4163	0.3916		0.00941	0.0100	-5.9	20.0
Carbon disulfide	Ave	0.7761	0.7373	0.1000	0.00950	0.0100	-5.0	20.0
Acetonitrile	Qua		0.0298		0.100	0.100	0.2	20.0
Methyl acetate	Ave	0.2338	0.2272	0.1000	0.0194	0.0200	-2.8	20.0
Methylene Chloride	Ave	0.3451	0.3515	0.1000	0.0102	0.0100	1.9	20.0
2-Methyl-2-propanol	Ave	0.0202	0.0156		0.155	0.200	-22.7*	20.0
Acrylonitrile	Ave	0.1172	0.1119		0.0191	0.0200	-4.5	20.0
Methyl tert-butyl ether	Ave	0.8708	0.7844	0.1000	0.00901	0.0100	-9.9	20.0
trans-1,2-Dichloroethene	Ave	0.2998	0.2876	0.1000	0.00959	0.0100	-4.1	20.0
1,1-Dichloroethane	Ave	0.5111	0.4788	0.1000	0.00937	0.0100	-6.3	20.0
Vinyl acetate	Ave	0.0530	0.0435		0.00821	0.0100	-17.9	20.0
2-Butanone (MEK)	Ave	0.1314	0.1133	0.0500	0.0173	0.0200	-13.7	20.0
2,2-Dichloropropane	Ave	0.2926	0.2854		0.00975	0.0100	-2.5	20.0
cis-1,2-Dichloroethene	Ave	0.3334	0.3122	0.1000	0.00936	0.0100	-6.4	20.0
Bromochloromethane	Ave	0.1617	0.1468		0.00908	0.0100	-9.2	20.0
Chloroform	Ave	0.5145	0.4772	0.2000	0.00928	0.0100	-7.2	20.0
1,1,1-Trichloroethane	Ave	0.3526	0.3557	0.1000	0.0101	0.0100	0.9	20.0
Cyclohexane	Ave	0.3996	0.4093	0.1000	0.0102	0.0100	2.4	20.0
1,1-Dichloropropene	Ave	0.3619	0.3509		0.00970	0.0100	-3.0	20.0
Carbon tetrachloride	Ave	0.2845	0.2903	0.1000	0.0102	0.0100	2.1	20.0
1,2-Dichloroethane	Ave	0.3706	0.3450	0.1000	0.00931	0.0100	-6.9	20.0
Benzene	Ave	1.258	1.163	0.5000	0.00924	0.0100	-7.6	20.0
Trichloroethene	Ave	0.3103	0.2903	0.2000	0.00936	0.0100	-6.4	20.0
1,2-Dichloropropane	Ave	0.2919	0.2764	0.1000	0.00947	0.0100	-5.3	20.0
Methylcyclohexane	Ave	0.3294	0.3461	0.1000	0.0105	0.0100	5.0	20.0
Dibromomethane	Ave	0.1691	0.1577		0.00933	0.0100	-6.7	20.0
Bromodichloromethane	Ave	0.3468	0.3322	0.1000	0.00958	0.0100	-4.2	20.0
cis-1,3-Dichloropropene	Ave	0.4281	0.4093	0.1500	0.00956	0.0100	-4.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2537	0.2349	0.0500	0.0185	0.0200	-7.4	20.0
Toluene	Ave	1.886	1.815	0.4000	0.00963	0.0100	-3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-64831/2 Calibration Date: 11/13/2012 11:25

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 15:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 17:02

Lab File ID: UXX0862.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.5342	0.5088	0.1000	0.00952	0.0100	-4.8	20.0
1,1,2-Trichloroethane	Ave	0.3821	0.3514	0.1000	0.00920	0.0100	-8.0	20.0
1,3-Dichloropropane	Ave	0.6731	0.6287		0.00934	0.0100	-6.6	20.0
Tetrachloroethene	Ave	0.3403	0.3272	0.2000	0.00961	0.0100	-3.9	20.0
2-Hexanone	Ave	0.2308	0.2194	0.0500	0.0190	0.0200	-5.0	20.0
Dibromochloromethane	Ave	0.3707	0.3593		0.00969	0.0100	-3.1	20.0
1,2-Dibromoethane	Ave	0.3704	0.3433		0.00927	0.0100	-7.3	20.0
Chlorobenzene	Ave	1.193	1.120	0.3000	0.00939	0.0100	-6.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4139	0.3930		0.00949	0.0100	-5.1	20.0
Ethylbenzene	Ave	0.5964	0.5879		0.00986	0.0100	-1.4	20.0
m-Xylene & p-Xylene	Ave	0.7563	0.7460		0.0197	0.0200	-1.4	20.0
o-Xylene	Ave	0.7419	0.7386		0.00996	0.0100	-0.4	20.0
Styrene	Ave	1.191	1.181	0.3000	0.00992	0.0100	-0.8	20.0
Bromoform	Ave	0.2244	0.2136	0.1000	0.00952	0.0100	-4.8	20.0
Isopropylbenzene	Ave	1.667	1.655	0.1000	0.00993	0.0100	-0.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9320	0.8401	0.3000	0.00901	0.0100	-9.9	20.0
Bromobenzene	Ave	0.9309	0.8714		0.00936	0.0100	-6.4	20.0
1,2,3-Trichloropropane	Ave	0.3012	0.2807		0.00932	0.0100	-6.8	20.0
N-Propylbenzene	Ave	0.8226	0.8240		0.0100	0.0100	0.2	20.0
2-Chlorotoluene	Ave	0.8267	0.7988		0.00966	0.0100	-3.4	20.0
1,3,5-Trimethylbenzene	Ave	2.535	2.545		0.0100	0.0100	0.4	20.0
4-Chlorotoluene	Ave	0.8808	0.8291		0.00941	0.0100	-5.9	20.0
tert-Butylbenzene	Ave	2.082	2.102		0.0101	0.0100	1.0	20.0
1,2,4-Trimethylbenzene	Ave	2.621	2.628		0.0100	0.0100	0.3	20.0
sec-Butylbenzene	Ave	2.652	2.658		0.0100	0.0100	0.2	20.0
1,3-Dichlorobenzene	Ave	1.669	1.529	0.6000	0.00916	0.0100	-8.4	20.0
4-Isopropyltoluene	Ave	2.229	2.247		0.0101	0.0100	0.8	20.0
1,4-Dichlorobenzene	Ave	1.798	1.640	0.5000	0.00912	0.0100	-8.8	20.0
n-Butylbenzene	Ave	1.765	1.761		0.00998	0.0100	-0.2	20.0
1,2-Dichlorobenzene	Ave	1.670	1.494	0.4000	0.00894	0.0100	-10.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1572	0.1215	0.0500	0.00773	0.0100	-22.7*	20.0
1,2,4-Trichlorobenzene	Ave	0.8483	0.6428	0.2000	0.00758	0.0100	-24.2*	20.0
Hexachlorobutadiene	Qua		0.2667		0.00787	0.0100	-21.3*	20.0
Naphthalene	Ave	2.585	1.507		0.00583	0.0100	-41.7*	20.0
1,2,3-Trichlorobenzene	Ave	0.9161	0.5462		0.00596	0.0100	-40.4*	20.0
Dibromofluoromethane (Surr)	Ave	0.2739	0.2655		0.00969	0.0100	-3.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3219	0.3008		0.00934	0.0100	-6.6	20.0
Toluene-d8 (Surr)	Ave	1.574	1.565		0.00994	0.0100	-0.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5205	0.5010		0.00962	0.0100	-3.8	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0862.D
Lims ID: CCVIS L4 8260 Client ID:
Inject. Date: 13-Nov-2012 11:25:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0014902-002
Misc. Info.: P21113A,8260LLUX10,,1904 =P21113A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 64831 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121113-14902.b\8260_10.m
Last Update: 14-Nov-2012 13:08:22 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

First Level Reviewer: quayler Date: 13-Nov-2012 11:49:00

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.206	5.206	0.0	99	1839118	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	83	1242750	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	0.0	89	643308	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.627	4.627	0.0	58	488309	9.69	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.911	4.911	0.0	0	553183	9.34	
$ 7 Toluene-d8 (Surr)	98	6.567	6.567	0.0	92	1944524	9.94	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	94	622598	9.62	
12 Dichlorodifluoromethane	85	1.562	1.562	0.0	98	398883	10.9	
13 Chloromethane	50	1.692	1.692	0.0	88	650741	9.21	
14 Vinyl chloride	62	1.799	1.799	0.0	97	573900	10.3	
16 Bromomethane	94	2.083	2.083	0.0	89	285003	10.9	
17 Chloroethane	64	2.165	2.165	0.0	95	289864	10.7	
19 Trichlorofluoromethane	101	2.390	2.390	0.0	96	467125	11.5	
21 Acrolein	56	2.698	2.698	0.0	98	638286	98.0	
23 1,1-Dichloroethene	96	2.804	2.804	0.0	98	435173	9.67	
24 Acetone	43	2.816	2.816	0.0	71	275669	19.1	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.828	2.828	0.0	83	343322	10.1	
26 Iodomethane	142	2.935	2.935	0.0	95	720145	9.41	
27 Carbon disulfide	76	3.006	3.006	0.0	99	1356035	9.50	
28 Acetonitrile	41	3.041	3.041	0.0	97	547538	100.2	
30 Methyl acetate	43	3.100	3.100	0.0	95	835556	19.4	
31 Methylene Chloride	84	3.195	3.195	0.0	84	646501	10.2	
32 2-Methyl-2-propanol	59	3.254	3.254	0.0	98	574651	154.6	
33 Acrylonitrile	53	3.384	3.384	0.0	100	411675	19.1	
34 trans-1,2-Dichloroethene	96	3.431	3.431	0.0	63	528912	9.59	
35 Methyl tert-butyl ether	73	3.431	3.431	0.0	88	1442646	9.01	
36 Hexane	86	3.656	3.656	0.0	93	86271	9.81	
37 1,1-Dichloroethane	63	3.763	3.763	0.0	95	880566	9.37	
38 Vinyl acetate	86	3.798	3.798	0.0	96	80066	8.21	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.236	4.236	0.0	90	416902	17.3	
44 2,2-Dichloropropane	77	4.248	4.248	0.0	90	524790	9.75	
43 cis-1,2-Dichloroethene	96	4.248	4.248	0.0	81	574115	9.36	
48 Chlorobromomethane	128	4.437	4.437	0.0	93	270064	9.08	
49 Tetrahydrofuran	42	4.485	4.485	0.0	94	143443	7.80	
50 Chloroform	83	4.496	4.496	0.0	91	877670	9.28	
51 1,1,1-Trichloroethane	97	4.674	4.674	0.0	94	654083	10.1	
52 Cyclohexane	56	4.745	4.745	0.0	86	752689	10.2	
53 1,1-Dichloropropene	75	4.804	4.804	0.0	93	645277	9.70	
54 Carbon tetrachloride	117	4.816	4.816	0.0	77	533935	10.2	
57 Benzene	78	4.982	4.982	0.0	94	2138166	9.24	
56 1,2-Dichloroethane	62	4.982	4.982	0.0	45	634527	9.31	
61 Trichloroethene	130	5.514	5.514	0.0	98	533974	9.36	
64 1,2-Dichloropropane	63	5.703	5.703	0.0	84	508351	9.47	
63 Methylcyclohexane	83	5.703	5.703	0.0	85	636423	10.5	
66 Dibromomethane	93	5.798	5.798	0.0	92	289985	9.33	
67 1,4-Dioxane	88	5.810	5.810	0.0	89	192156	315.6	
68 Dichlorobromomethane	83	5.928	5.928	0.0	100	610856	9.58	
70 2-Chloroethyl vinyl ether	63	6.177	6.177	0.0	91	602595	19.8	
71 cis-1,3-Dichloropropene	75	6.319	6.319	0.0	91	752650	9.56	
72 4-Methyl-2-pentanone (MIBK)	43	6.437	6.437	0.0	96	864167	18.5	
73 Toluene	91	6.626	6.626	0.0	97	2255659	9.63	
74 trans-1,3-Dichloropropene	75	6.792	6.792	0.0	88	632322	9.52	
75 Ethyl methacrylate	69	6.875	6.875	0.0	88	539409	8.84	
76 1,1,2-Trichloroethane	97	6.969	6.969	0.0	90	436637	9.20	
77 1,3-Dichloropropane	76	7.123	7.123	0.0	91	781327	9.34	
78 Tetrachloroethene	164	7.135	7.135	0.0	88	406584	9.61	
79 2-Hexanone	43	7.182	7.182	0.0	96	545342	19.0	
81 Chlorodibromomethane	129	7.336	7.336	0.0	89	446456	9.69	
83 Ethylene Dibromide	107	7.455	7.455	0.0	98	426575	9.27	
85 Chlorobenzene	112	7.904	7.904	0.0	95	1392215	9.39	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.975	0.0	85	488341	9.49	
87 Ethylbenzene	106	8.011	8.011	0.0	97	730652	9.86	
88 m-Xylene & p-Xylene	106	8.117	8.117	0.0	99	1854049	19.7	
89 o-Xylene	106	8.496	8.496	0.0	90	917904	9.96	
90 Styrene	104	8.508	8.508	0.0	93	1468097	9.92	
91 Bromoform	173	8.685	8.685	0.0	99	265481	9.52	
92 Isopropylbenzene	105	8.851	8.851	0.0	95	2057091	9.93	
95 1,1,2,2-Tetrachloroethane	83	9.111	9.111	0.0	86	540467	9.01	
96 Bromobenzene	156	9.147	9.147	0.0	90	560589	9.36	
97 1,2,3-Trichloropropane	110	9.159	9.159	0.0	73	180604	9.32	
98 trans-1,4-Dichloro-2-butene	53	9.170	9.170	0.0	72	121737	9.51	
99 N-Propylbenzene	120	9.241	9.241	0.0	98	530102	10.0	
100 2-Chlorotoluene	126	9.336	9.336	0.0	97	513869	9.66	
101 1,3,5-Trimethylbenzene	105	9.407	9.407	0.0	93	1637453	10.0	
102 4-Chlorotoluene	126	9.431	9.431	0.0	98	533370	9.41	
103 tert-Butylbenzene	119	9.738	9.738	0.0	81	1352326	10.1	
104 1,2,4-Trimethylbenzene	105	9.786	9.786	0.0	85	1690679	10.0	
105 sec-Butylbenzene	105	9.951	9.951	0.0	93	1710175	10.0	
106 1,3-Dichlorobenzene	146	10.058	10.058	0.0	84	983471	9.16	
107 4-Isopropyltoluene	119	10.093	10.093	0.0	96	1445680	10.1	
108 1,4-Dichlorobenzene	146	10.153	10.153	0.0	95	1054958	9.12	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.496	10.496	0.0	97	1132543	9.98	
111 1,2-Dichlorobenzene	146	10.519	10.519	0.0	98	961103	8.94	
112 1,2-Dibromo-3-Chloropropane	157	11.288	11.288	0.0	79	78179	7.73	
113 1,3,5-Trichlorobenzene	180	11.513	11.513	0.0	98	502664	8.40	
114 1,2,4-Trichlorobenzene	180	12.129	12.129	0.0	94	413522	7.58	
115 Hexachlorobutadiene	225	12.306	12.306	0.0	93	171586	7.87	
116 Naphthalene	128	12.377	12.377	0.0	100	969237	5.83	
117 1,2,3-Trichlorobenzene	180	12.626	12.626	0.0	99	351358	5.96	
S 119 Trihalomethanes, Total	1				0		38.1	
S 120 1,2-Dichloroethene, Total	96				0		19.0	
S 121 1,3-Dichloropropene, Total	75				0		19.1	
S 122 Xylenes, Total	106				0		29.7	

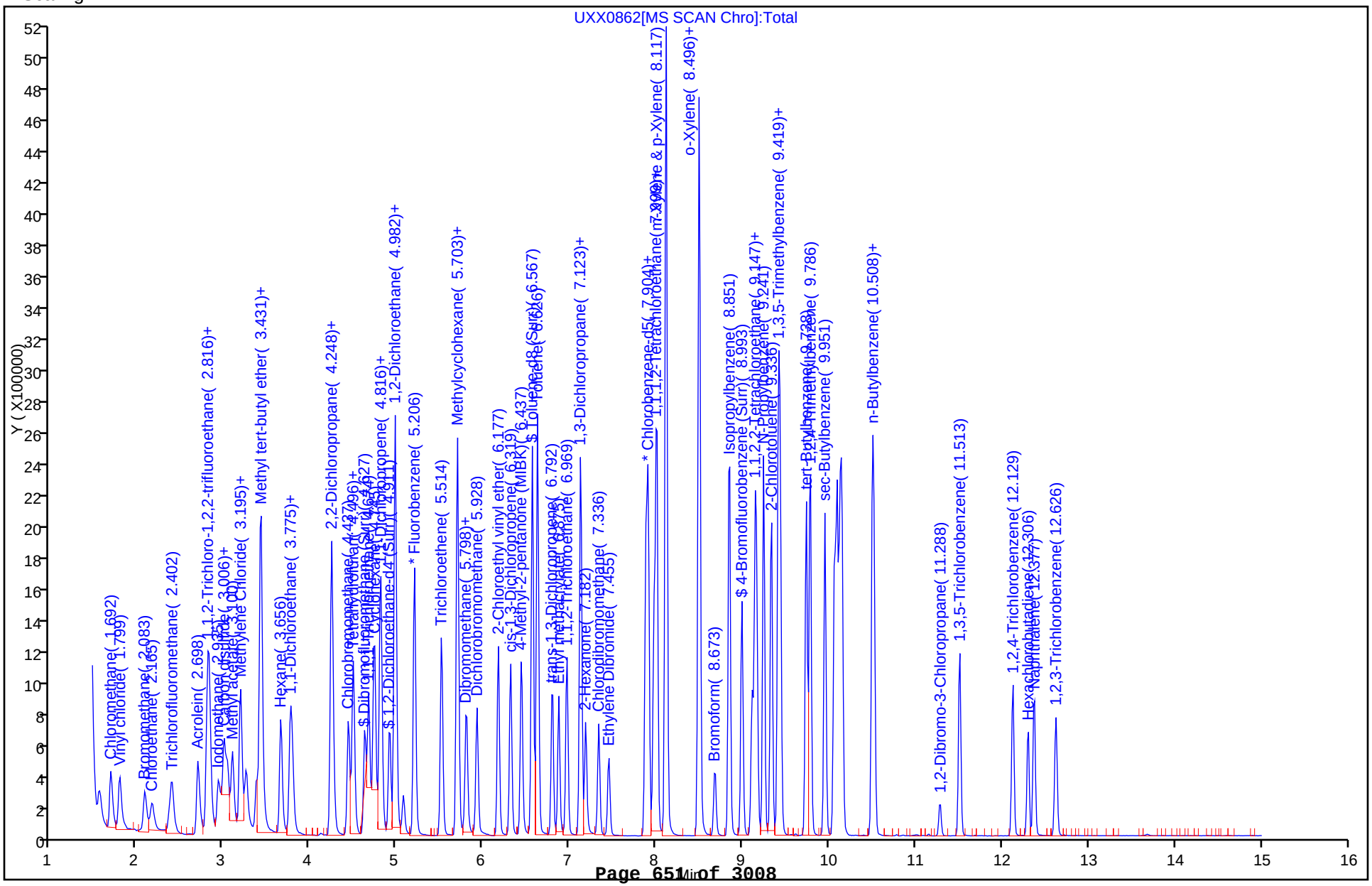
Report Date: 14-Nov-2012 13:08:23 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0862.D

Injection Date:	13-Nov-2012 11:25:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64831	Lims Sample ID:	2
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-64859/21 Calibration Date: 11/13/2012 23:21

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 16:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 19:45

Lab File ID: 149123.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2874	0.3345	0.1000	0.0582	0.0500	16.4	20.0
Chloromethane	Ave	0.4898	0.5463	0.1000	0.0558	0.0500	11.5	20.0
Vinyl chloride	Ave	0.3840	0.4091	0.1000	0.0533	0.0500	6.5	20.0
Bromomethane	Lin1		0.1200	0.0500	0.0482	0.0500	-3.5	20.0
Chloroethane	Ave	0.2207	0.2219	0.0500	0.0503	0.0500	0.5	20.0
Trichlorofluoromethane	Ave	0.3665	0.3843	0.1000	0.0524	0.0500	4.9	20.0
1,1-Dichloroethene	Ave	0.2874	0.3119	0.1000	0.0543	0.0500	8.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2745	0.3072	0.0500	0.0560	0.0500	11.9	20.0
Acetone	Lin1		0.0815	0.0500	0.109	0.100	9.3	20.0
Iodomethane	Ave	0.5119	0.5358		0.0523	0.0500	4.7	20.0
Carbon disulfide	Lin1		0.7217	0.1000	0.0429	0.0500	-14.2	20.0
Methyl acetate	Ave	0.2047	0.1912	0.1000	0.0467	0.0500	-6.6	20.0
Methylene Chloride	Lin1		0.3308	0.1000	0.0520	0.0500	4.0	20.0
2-Methyl-2-propanol	Ave	0.0145	0.0150		1.04	1.00	3.7	20.0
trans-1,2-Dichloroethene	Ave	0.3227	0.3293	0.1000	0.0510	0.0500	2.0	20.0
Methyl tert-butyl ether	Ave	0.6527	0.6733	0.1000	0.0516	0.0500	3.2	20.0
1,1-Dichloroethane	Ave	0.6187	0.6438	0.1000	0.0520	0.0500	4.1	20.0
Vinyl acetate	Lin1		0.0297		0.0540	0.0500	8.0	20.0
2,2-Dichloropropane	Ave	0.2081	0.2193		0.0527	0.0500	5.4	20.0
cis-1,2-Dichloroethene	Ave	0.3249	0.3325	0.1000	0.0512	0.0500	2.3	20.0
2-Butanone (MEK)	Lin1		0.0929	0.0500	0.0957	0.100	-4.3	20.0
Bromochloromethane	Ave	0.1429	0.1435		0.0502	0.0500	0.4	20.0
Chloroform	Ave	0.5184	0.5197	0.2000	0.0501	0.0500	0.3	20.0
1,1,1-Trichloroethane	Ave	0.3984	0.4256	0.1000	0.0534	0.0500	6.8	20.0
Cyclohexane	Ave	0.8073	0.8110	0.1000	0.0502	0.0500	0.5	20.0
1,1-Dichloropropene	Ave	0.3995	0.4047		0.0507	0.0500	1.3	20.0
Carbon tetrachloride	Lin1		0.3932	0.1000	0.0494	0.0500	-1.1	20.0
Benzene	Ave	1.113	1.114	0.5000	0.0500	0.0500	0.0	20.0
1,2-Dichloroethane	Ave	0.3993	0.3990	0.1000	0.0500	0.0500	-0.0	20.0
Trichloroethene	Ave	0.3155	0.3164	0.2000	0.0501	0.0500	0.3	20.0
Methylcyclohexane	Ave	0.6141	0.6268	0.1000	0.0510	0.0500	2.1	20.0
1,2-Dichloropropane	Ave	0.2810	0.2858	0.1000	0.0509	0.0500	1.7	20.0
Dibromomethane	Ave	0.1221	0.1242		0.0508	0.0500	1.7	20.0
Bromodichloromethane	Lin1		0.2615	0.1000	0.0436	0.0500	-12.7	20.0
cis-1,3-Dichloropropene	Qua		0.2654	0.1500	0.0444	0.0500	-11.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3084	0.3359	0.0500	0.109	0.100	8.9	20.0
Toluene	Ave	1.758	1.691	0.4000	0.0481	0.0500	-3.8	20.0
trans-1,3-Dichloropropene	Lin1		0.3232	0.1000	0.0418	0.0500	-16.4	20.0
1,1,2-Trichloroethane	Ave	0.2389	0.2461	0.1000	0.0515	0.0500	3.0	20.0
Tetrachloroethene	Ave	0.4007	0.3740	0.2000	0.0467	0.0500	-6.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-64859/21 Calibration Date: 11/13/2012 23:21

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 16:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 19:45

Lab File ID: 149123.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.4174	0.4168		0.0499	0.0500	-0.1	20.0
2-Hexanone	Ave	0.1605	0.1535	0.0500	0.0956	0.100	-4.4	20.0
Dibromochloromethane	Qua		0.2389		0.0450	0.0500	-10.0	20.0
1,2-Dibromoethane	Ave	0.2326	0.2369		0.0509	0.0500	1.9	20.0
Chlorobenzene	Ave	1.153	1.084	0.3000	0.0470	0.0500	-6.0	20.0
1,1,1,2-Tetrachloroethane	Lin1		0.4315		0.0500	0.0500	0.0	20.0
Ethylbenzene	Ave	0.6221	0.6038		0.0485	0.0500	-2.9	20.0
m-Xylene & p-Xylene	Ave	0.7625	0.7456		0.0978	0.100	-2.2	20.0
o-Xylene	Ave	0.8137	0.8111		0.0498	0.0500	-0.3	20.0
Styrene	Ave	1.042	1.054	0.3000	0.0506	0.0500	1.2	20.0
Bromoform	Qua		0.1127	0.1000	0.0431	0.0500	-13.8	20.0
Isopropylbenzene	Ave	2.198	2.247	0.1000	0.0511	0.0500	2.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4994	0.5217	0.3000	0.0522	0.0500	4.5	20.0
Bromobenzene	Ave	0.8110	0.7767		0.0479	0.0500	-4.2	20.0
1,2,3-Trichloropropane	Ave	0.1664	0.1654		0.0497	0.0500	-0.6	20.0
N-Propylbenzene	Ave	0.9810	1.005		0.0512	0.0500	2.5	20.0
2-Chlorotoluene	Ave	0.8900	0.8907		0.0500	0.0500	0.0	20.0
1,3,5-Trimethylbenzene	Ave	3.118	3.274		0.0525	0.0500	5.0	20.0
4-Chlorotoluene	Ave	0.8531	0.8067		0.0473	0.0500	-5.4	20.0
tert-Butylbenzene	Ave	2.995	3.163		0.0528	0.0500	5.6	20.0
1,2,4-Trimethylbenzene	Ave	3.071	3.137		0.0511	0.0500	2.2	20.0
sec-Butylbenzene	Ave	4.052	4.240		0.0523	0.0500	4.7	20.0
1,3-Dichlorobenzene	Ave	1.760	1.640	0.6000	0.0466	0.0500	-6.8	20.0
4-Isopropyltoluene	Ave	3.533	3.850		0.0545	0.0500	9.0	20.0
1,4-Dichlorobenzene	Ave	1.824	1.614	0.5000	0.0443	0.0500	-11.5	20.0
n-Butylbenzene	Ave	2.960	2.914		0.0492	0.0500	-1.6	20.0
1,2-Dichlorobenzene	Ave	1.701	1.599	0.4000	0.0470	0.0500	-6.0	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0748	0.0500	0.0461	0.0500	-7.7	20.0
1,2,4-Trichlorobenzene	Ave	1.201	0.9877	0.2000	0.0411	0.0500	-17.7	20.0
Hexachlorobutadiene	Ave	0.6558	0.5877		0.0448	0.0500	-10.4	20.0
Naphthalene	Ave	2.060	1.821		0.0442	0.0500	-11.6	20.0
1,2,3-Trichlorobenzene	Ave	0.999	0.8455		0.0423	0.0500	-15.3	20.0
Dibromofluoromethane (Surr)	Lin1		0.2467		0.0468	0.0500	-6.5	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2633		0.0460	0.0500	-8.0	20.0
Toluene-d8 (Surr)	Lin1		1.405		0.0469	0.0500	-6.3	20.0
4-Bromofluorobenzene (Surr)	Qua		0.8233		0.0497	0.0500	-0.6	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149123.D
Lims ID: ICV Client ID:
Inject. Date: 13-Nov-2012 23:21:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: icv
Misc. Info.: 240-0014916-021 =240-0014916-021
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 64859 Lims Sample ID: 21
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m
Last Update: 14-Nov-2012 15:23:07 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK032

First Level Reviewer: macenczaks Date: 14-Nov-2012 10:19:52

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1402420	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	854220	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	91	486670	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	62	346036	46.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.541	0.012	97	369189	46.0	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1199789	46.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	87	400696	49.7	
12 Dichlorodifluoromethane	85	1.441	1.441	0.0	87	469033	58.2	
13 Chloromethane	50	1.607	1.607	0.0	89	766101	55.8	
14 Vinyl chloride	62	1.737	1.737	0.0	84	573731	53.3	
15 Bromomethane	94	2.069	2.069	0.0	90	168281	48.2	
16 Chloroethane	64	2.187	2.187	0.0	93	311153	50.3	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	86	538964	52.4	
19 Ethyl ether	59	2.873	2.873	0.0	98	345390	49.9	
20 Acrolein	56	3.039	3.027	0.012	95	119893	125.9	
21 1,1-Dichloroethene	96	3.145	3.145	0.0	84	437403	54.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	85	430769	56.0	
22 Acetone	43	3.252	3.252	0.0	97	228485	109.3	
24 Iodomethane	142	3.347	3.347	0.0	100	751451	52.3	
26 Carbon disulfide	76	3.418	3.418	0.0	98	1012088	42.9	
27 Acetonitrile	41	3.666	3.666	0.0	94	134008	153.1	
28 Methyl acetate	43	3.761	3.761	0.0	98	268167	46.7	
30 Methylene Chloride	84	3.879	3.879	0.0	88	463879	52.0	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	87	420866	1036.9	
32 Acrylonitrile	53	4.305	4.305	0.0	95	399908	147.4	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	461800	51.0	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	88	944208	51.6	
35 Hexane	86	4.743	4.743	0.0	96	107730	50.6	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	902910	52.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
37 Vinyl acetate	86	5.039	5.039	0.0	96	41693	54.0	
38 Isopropyl ether	87	5.074	5.074	0.0	97	354881	50.0	
43 2,2-Dichloropropane	77	5.642	5.642	0.0	71	307578	52.7	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	466246	51.2	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	260669	95.7	
47 Chlorobromomethane	128	5.926	5.926	0.0	88	201179	50.2	
48 Tetrahydrofuran	42	5.985	5.985	0.0	92	97672	50.5	
49 Chloroform	83	6.033	6.033	0.0	84	728891	50.1	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	90	596821	53.4	
51 Cyclohexane	56	6.257	6.257	0.0	95	1137308	50.2	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	567548	50.7	
53 Carbon tetrachloride	117	6.388	6.388	0.0	78	551470	49.4	
54 Isobutyl alcohol	41	6.589	6.589	0.0	91	522747	2567.9	
55 Benzene	78	6.601	6.601	0.0	97	1561820	50.0	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	87	559509	50.0	
60 Trichloroethene	130	7.240	7.240	0.0	92	443715	50.1	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	878973	51.0	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	89	400862	50.9	
65 Dibromomethane	93	7.559	7.559	0.0	91	174181	50.8	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	366716	43.6	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	89	110254	50.7	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	84	372135	44.4	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	573819	108.9	
72 Toluene	91	8.411	8.411	0.0	91	1444386	48.1	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	90	276042	41.8	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	210258	51.5	
77 Tetrachloroethene	164	8.884	8.884	0.0	90	319462	46.7	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	95	356030	49.9	
78 2-Hexanone	43	8.979	8.979	0.0	98	262293	95.6	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	204089	45.0	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	202366	50.9	
82 Chlorobenzene	112	9.618	9.618	0.0	91	925660	47.0	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	87	368576	50.0	
84 Ethylbenzene	106	9.713	9.713	0.0	98	515733	48.5	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	1273780	97.8	
85 o-Xylene	106	10.150	10.151	0.0	95	692830	49.8	
86 Styrene	104	10.162	10.162	0.0	94	900448	50.6	
87 Bromoform	173	10.328	10.328	0.0	97	96268	43.1	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	1919746	51.1	
89 Cyclohexanone	55	10.541	10.541	0.0	85	227149	185.2	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	84	253909	52.2	
91 Bromobenzene	156	10.718	10.718	0.0	93	378015	47.9	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	74	80492	49.7	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	66	144583	87.8	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	489324	51.2	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	433461	50.0	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	92	1593243	52.5	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	392610	47.3	
97 tert-Butylbenzene	119	11.227	11.227	0.0	89	1539142	52.8	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	1526891	51.1	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	2063575	52.3	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	91	798057	46.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
101 4-Isopropyltoluene	119	11.535	11.535	0.0	91	1873594	54.5	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	89	785726	44.3	
103 1,2,3-Trimethylbenzene	105	11.630	11.630	0.0	86	1557602	53.4	
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1418075	49.2	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	778420	47.0	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	71	36392	46.1	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	480661	41.1	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	286005	44.8	
111 Naphthalene	128	13.440	13.440	0.0	97	886111	44.2	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	93	411483	42.3	
S 137 Trihalomethanes, Total	1				0		181.9	
S 11 1,2-Dichloroethene, Total	96				0		102.2	
S 114 Xylenes, Total	106				0		147.6	

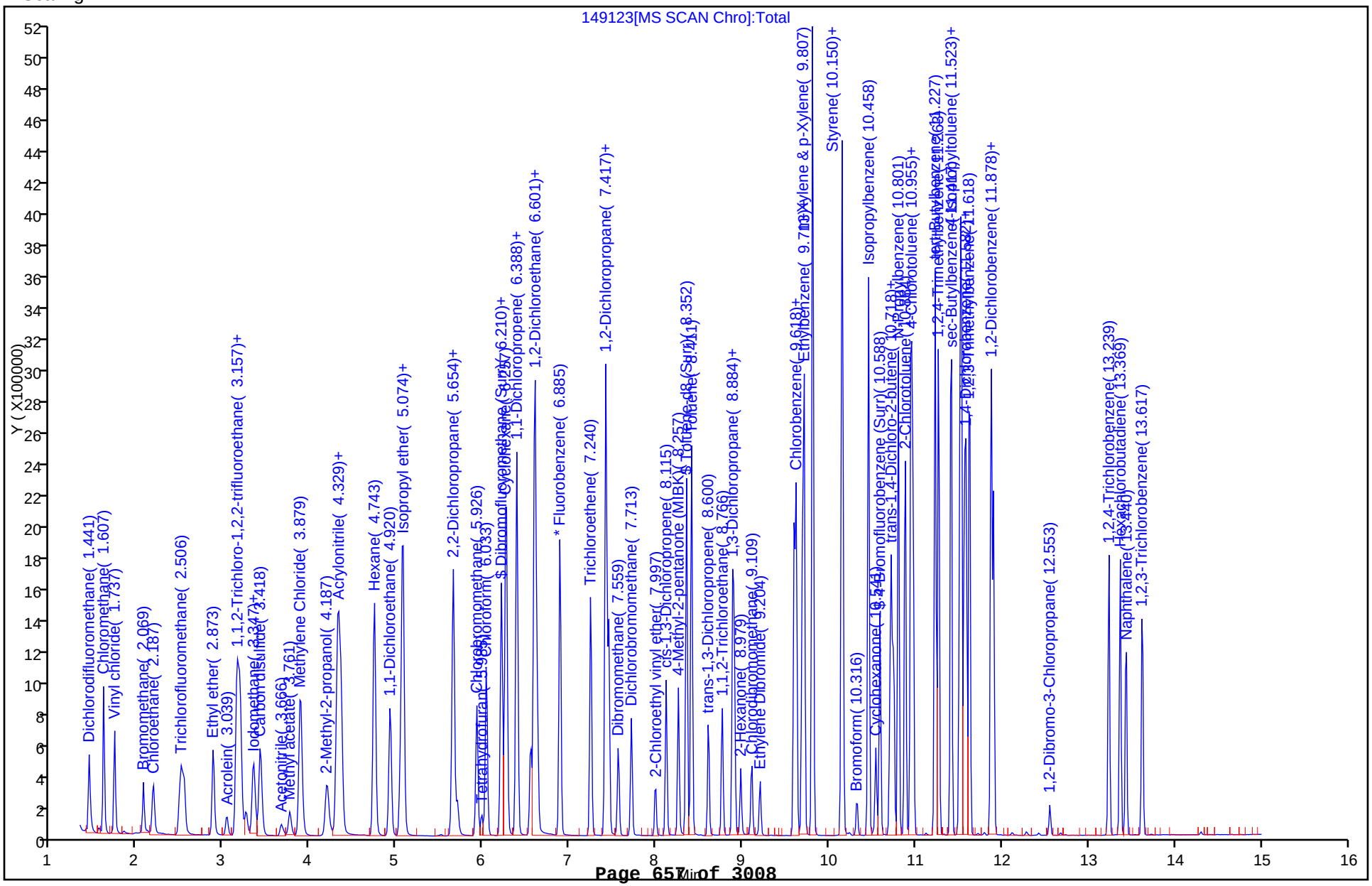
Report Date: 14-Nov-2012 15:23:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149123.D

Injection Date:	13-Nov-2012 23:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	21
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-64859/21 Calibration Date: 11/13/2012 23:21

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 20:07

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 22:59

Lab File ID: 149123.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Cyclohexanone	Ave	0.0718	0.0133		0.185	1.00	-81.5*	20.0
1,2,3-Trimethylbenzene	Ave	2.995	3.201		0.0534	0.0500	6.9	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149123.D
Lims ID: ICV Client ID:
Inject. Date: 13-Nov-2012 23:21:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: icv
Misc. Info.: 240-0014916-021 =240-0014916-021
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 64859 Lims Sample ID: 21
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m
Last Update: 14-Nov-2012 15:23:07 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK032

First Level Reviewer: macenczaks Date: 14-Nov-2012 10:19:52

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1402420	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	854220	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	91	486670	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	62	346036	46.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.541	0.012	97	369189	46.0	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1199789	46.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	87	400696	49.7	
12 Dichlorodifluoromethane	85	1.441	1.441	0.0	87	469033	58.2	
13 Chloromethane	50	1.607	1.607	0.0	89	766101	55.8	
14 Vinyl chloride	62	1.737	1.737	0.0	84	573731	53.3	
15 Bromomethane	94	2.069	2.069	0.0	90	168281	48.2	
16 Chloroethane	64	2.187	2.187	0.0	93	311153	50.3	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	86	538964	52.4	
19 Ethyl ether	59	2.873	2.873	0.0	98	345390	49.9	
20 Acrolein	56	3.039	3.027	0.012	95	119893	125.9	
21 1,1-Dichloroethene	96	3.145	3.145	0.0	84	437403	54.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	85	430769	56.0	
22 Acetone	43	3.252	3.252	0.0	97	228485	109.3	
24 Iodomethane	142	3.347	3.347	0.0	100	751451	52.3	
26 Carbon disulfide	76	3.418	3.418	0.0	98	1012088	42.9	
27 Acetonitrile	41	3.666	3.666	0.0	94	134008	153.1	
28 Methyl acetate	43	3.761	3.761	0.0	98	268167	46.7	
30 Methylene Chloride	84	3.879	3.879	0.0	88	463879	52.0	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	87	420866	1036.9	
32 Acrylonitrile	53	4.305	4.305	0.0	95	399908	147.4	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	461800	51.0	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	88	944208	51.6	
35 Hexane	86	4.743	4.743	0.0	96	107730	50.6	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	902910	52.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
37 Vinyl acetate	86	5.039	5.039	0.0	96	41693	54.0	
38 Isopropyl ether	87	5.074	5.074	0.0	97	354881	50.0	
43 2,2-Dichloropropane	77	5.642	5.642	0.0	71	307578	52.7	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	466246	51.2	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	260669	95.7	
47 Chlorobromomethane	128	5.926	5.926	0.0	88	201179	50.2	
48 Tetrahydrofuran	42	5.985	5.985	0.0	92	97672	50.5	
49 Chloroform	83	6.033	6.033	0.0	84	728891	50.1	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	90	596821	53.4	
51 Cyclohexane	56	6.257	6.257	0.0	95	1137308	50.2	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	567548	50.7	
53 Carbon tetrachloride	117	6.388	6.388	0.0	78	551470	49.4	
54 Isobutyl alcohol	41	6.589	6.589	0.0	91	522747	2567.9	
55 Benzene	78	6.601	6.601	0.0	97	1561820	50.0	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	87	559509	50.0	
60 Trichloroethene	130	7.240	7.240	0.0	92	443715	50.1	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	878973	51.0	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	89	400862	50.9	
65 Dibromomethane	93	7.559	7.559	0.0	91	174181	50.8	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	366716	43.6	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	89	110254	50.7	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	84	372135	44.4	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	573819	108.9	
72 Toluene	91	8.411	8.411	0.0	91	1444386	48.1	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	90	276042	41.8	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	210258	51.5	
77 Tetrachloroethene	164	8.884	8.884	0.0	90	319462	46.7	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	95	356030	49.9	
78 2-Hexanone	43	8.979	8.979	0.0	98	262293	95.6	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	204089	45.0	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	202366	50.9	
82 Chlorobenzene	112	9.618	9.618	0.0	91	925660	47.0	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	87	368576	50.0	
84 Ethylbenzene	106	9.713	9.713	0.0	98	515733	48.5	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	1273780	97.8	
85 o-Xylene	106	10.150	10.151	0.0	95	692830	49.8	
86 Styrene	104	10.162	10.162	0.0	94	900448	50.6	
87 Bromoform	173	10.328	10.328	0.0	97	96268	43.1	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	1919746	51.1	
89 Cyclohexanone	55	10.541	10.541	0.0	85	227149	185.2	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	84	253909	52.2	
91 Bromobenzene	156	10.718	10.718	0.0	93	378015	47.9	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	74	80492	49.7	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	66	144583	87.8	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	489324	51.2	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	433461	50.0	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	92	1593243	52.5	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	392610	47.3	
97 tert-Butylbenzene	119	11.227	11.227	0.0	89	1539142	52.8	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	1526891	51.1	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	2063575	52.3	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	91	798057	46.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
101 4-Isopropyltoluene	119	11.535	11.535	0.0	91	1873594	54.5	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	89	785726	44.3	
103 1,2,3-Trimethylbenzene	105	11.630	11.630	0.0	86	1557602	53.4	
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1418075	49.2	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	778420	47.0	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	71	36392	46.1	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	480661	41.1	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	286005	44.8	
111 Naphthalene	128	13.440	13.440	0.0	97	886111	44.2	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	93	411483	42.3	
S 137 Trihalomethanes, Total	1				0		181.9	
S 11 1,2-Dichloroethene, Total	96				0		102.2	
S 114 Xylenes, Total	106				0		147.6	

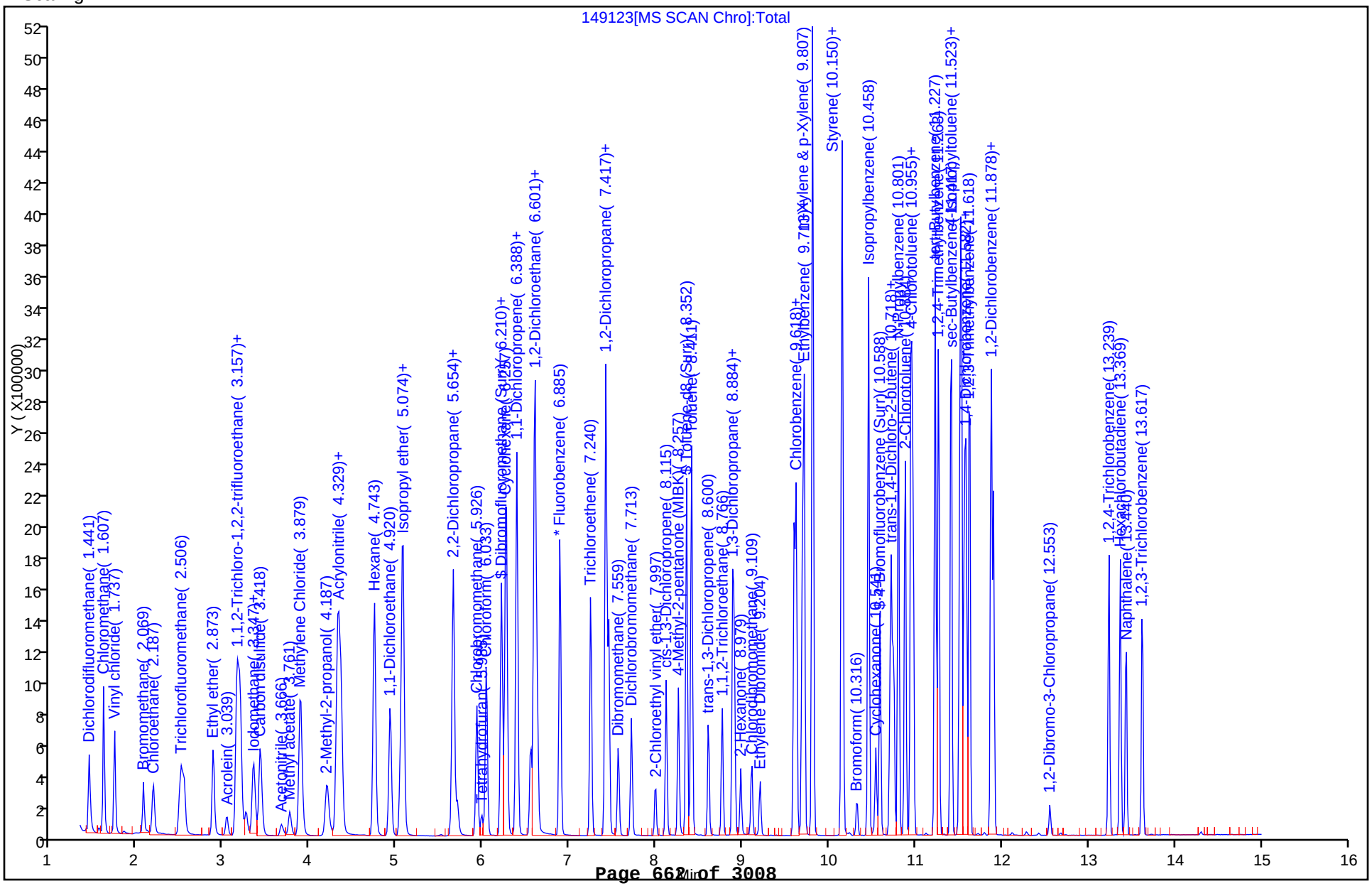
Report Date: 14-Nov-2012 15:23:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149123.D

Injection Date:	13-Nov-2012 23:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	21
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65171/3 Calibration Date: 11/15/2012 11:37

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 16:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 19:45

Lab File ID: 149171.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2874	0.2903	0.1000	0.0505	0.0500	1.0	20.0
Chloromethane	Ave	0.4898	0.4755	0.1000	0.0485	0.0500	-2.9	20.0
Vinyl chloride	Ave	0.3840	0.3827	0.1000	0.0498	0.0500	-0.4	20.0
Bromomethane	Lin1		0.1268	0.0500	0.0510	0.0500	2.0	20.0
Chloroethane	Ave	0.2207	0.2109	0.0500	0.0478	0.0500	-4.4	20.0
Trichlorofluoromethane	Ave	0.3665	0.3731	0.1000	0.0509	0.0500	1.8	20.0
1,1-Dichloroethene	Ave	0.2874	0.2772	0.1000	0.0482	0.0500	-3.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2745	0.2653	0.0500	0.0483	0.0500	-3.3	20.0
Acetone	Lin1		0.0726	0.0500	0.0967	0.100	-3.3	20.0
Iodomethane	Ave	0.5119	0.4769		0.0466	0.0500	-6.8	20.0
Carbon disulfide	Lin1		0.6802	0.1000	0.0405	0.0500	-19.0	20.0
Methyl acetate	Ave	0.2047	0.1935	0.1000	0.0945	0.100	-5.5	20.0
Methylene Chloride	Lin1		0.3057	0.1000	0.0476	0.0500	-4.9	20.0
2-Methyl-2-propanol	Ave	0.0145	0.0124		0.857	1.00	-14.3	20.0
trans-1,2-Dichloroethene	Ave	0.3227	0.3057	0.1000	0.0474	0.0500	-5.3	20.0
Methyl tert-butyl ether	Ave	0.6527	0.5957	0.1000	0.0456	0.0500	-8.7	20.0
1,1-Dichloroethane	Ave	0.6187	0.5998	0.1000	0.0485	0.0500	-3.0	20.0
Vinyl acetate	Lin1		0.0233		0.0425	0.0500	-15.1	20.0
2,2-Dichloropropane	Ave	0.2081	0.2250		0.0541	0.0500	8.1	20.0
cis-1,2-Dichloroethene	Ave	0.3249	0.3107	0.1000	0.0478	0.0500	-4.4	20.0
2-Butanone (MEK)	Lin1		0.0931	0.0500	0.0958	0.100	-4.2	20.0
Bromochloromethane	Ave	0.1429	0.1367		0.0478	0.0500	-4.4	20.0
Chloroform	Ave	0.5184	0.5046	0.2000	0.0487	0.0500	-2.7	20.0
1,1,1-Trichloroethane	Ave	0.3984	0.4213	0.1000	0.0529	0.0500	5.7	20.0
Cyclohexane	Ave	0.8073	0.7951	0.1000	0.0492	0.0500	-1.5	20.0
1,1-Dichloropropene	Ave	0.3995	0.4017		0.0503	0.0500	0.6	20.0
Carbon tetrachloride	Lin1		0.3840	0.1000	0.0483	0.0500	-3.4	20.0
Benzene	Ave	1.113	1.056	0.5000	0.0474	0.0500	-5.2	20.0
1,2-Dichloroethane	Ave	0.3993	0.3745	0.1000	0.0469	0.0500	-6.2	20.0
Trichloroethene	Ave	0.3155	0.3057	0.2000	0.0484	0.0500	-3.1	20.0
Methylcyclohexane	Ave	0.6141	0.6076	0.1000	0.0495	0.0500	-1.1	20.0
1,2-Dichloropropane	Ave	0.2810	0.2782	0.1000	0.0495	0.0500	-1.0	20.0
Dibromomethane	Ave	0.1221	0.1161		0.0475	0.0500	-5.0	20.0
Bromodichloromethane	Lin1		0.2548	0.1000	0.0426	0.0500	-14.9	20.0
cis-1,3-Dichloropropene	Qua		0.2736	0.1500	0.0457	0.0500	-8.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3084	0.3073	0.0500	0.0997	0.100	-0.3	20.0
Toluene	Ave	1.758	1.728	0.4000	0.0491	0.0500	-1.7	20.0
trans-1,3-Dichloropropene	Lin1		0.3350	0.1000	0.0433	0.0500	-13.4	20.0
1,1,2-Trichloroethane	Ave	0.2389	0.2321	0.1000	0.0486	0.0500	-2.8	20.0
Tetrachloroethene	Ave	0.4007	0.3959	0.2000	0.0494	0.0500	-1.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65171/3 Calibration Date: 11/15/2012 11:37

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 16:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 19:45

Lab File ID: 149171.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.4174	0.4032		0.0483	0.0500	-3.4	20.0
2-Hexanone	Ave	0.1605	0.1581	0.0500	0.0985	0.100	-1.5	20.0
Dibromochloromethane	Qua		0.2488		0.0467	0.0500	-6.6	20.0
1,2-Dibromoethane	Ave	0.2326	0.2284		0.0491	0.0500	-1.8	20.0
Chlorobenzene	Ave	1.153	1.081	0.3000	0.0469	0.0500	-6.2	20.0
1,1,1,2-Tetrachloroethane	Lin1		0.4101		0.0476	0.0500	-4.8	20.0
Ethylbenzene	Ave	0.6221	0.6045		0.0486	0.0500	-2.8	20.0
m-Xylene & p-Xylene	Ave	0.7625	0.7487		0.0982	0.100	-1.8	20.0
o-Xylene	Ave	0.8137	0.7784		0.0478	0.0500	-4.3	20.0
Styrene	Ave	1.042	1.046	0.3000	0.0502	0.0500	0.4	20.0
Bromoform	Qua		0.1116	0.1000	0.0427	0.0500	-14.6	20.0
Isopropylbenzene	Ave	2.198	2.160	0.1000	0.0491	0.0500	-1.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4994	0.5212	0.3000	0.0522	0.0500	4.4	20.0
Bromobenzene	Ave	0.8110	0.8028		0.0495	0.0500	-1.0	20.0
1,2,3-Trichloropropane	Ave	0.1664	0.1579		0.0475	0.0500	-5.1	20.0
N-Propylbenzene	Ave	0.9810	1.061		0.0541	0.0500	8.2	20.0
2-Chlorotoluene	Ave	0.8900	0.9062		0.0509	0.0500	1.8	20.0
1,3,5-Trimethylbenzene	Ave	3.118	3.314		0.0531	0.0500	6.3	20.0
4-Chlorotoluene	Ave	0.8531	0.8457		0.0496	0.0500	-0.9	20.0
tert-Butylbenzene	Ave	2.995	3.175		0.0530	0.0500	6.0	20.0
1,2,4-Trimethylbenzene	Ave	3.071	3.161		0.0515	0.0500	3.0	20.0
sec-Butylbenzene	Ave	4.052	4.300		0.0531	0.0500	6.1	20.0
1,3-Dichlorobenzene	Ave	1.760	1.668	0.6000	0.0474	0.0500	-5.2	20.0
4-Isopropyltoluene	Ave	3.533	3.769		0.0533	0.0500	6.7	20.0
1,4-Dichlorobenzene	Ave	1.824	1.663	0.5000	0.0456	0.0500	-8.8	20.0
n-Butylbenzene	Ave	2.960	3.007		0.0508	0.0500	1.6	20.0
1,2-Dichlorobenzene	Ave	1.701	1.564	0.4000	0.0460	0.0500	-8.1	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0669	0.0500	0.0416	0.0500	-16.9	20.0
1,2,4-Trichlorobenzene	Ave	1.201	0.9743	0.2000	0.0406	0.0500	-18.9	20.0
Hexachlorobutadiene	Ave	0.6558	0.5687		0.0434	0.0500	-13.3	20.0
Dibromofluoromethane (Surr)	Lin1		0.2406		0.0456	0.0500	-8.8	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2621		0.0458	0.0500	-8.4	20.0
Toluene-d8 (Surr)	Lin1		1.448		0.0484	0.0500	-3.3	20.0
4-Bromofluorobenzene (Surr)	Qua		0.8412		0.0507	0.0500	1.5	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149171.D
Lims ID: CCVIS Client ID:
Inject. Date: 15-Nov-2012 11:37:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: ccvis
Misc. Info.: 240-0014986-003 =240-0014986-003
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 65171 Lims Sample ID: 3
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121115-14986.b\8260_14.m
Last Update: 16-Nov-2012 09:58:07 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: macenczaks Date: 15-Nov-2012 11:55:40

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1544375	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.595	0.0	98	914414	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.571	0.0	98	487749	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	77	371529	45.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.542	0.0	94	404821	45.8	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	95	1324467	48.4	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	410278	50.7	
12 Dichlorodifluoromethane	85	1.442	1.442	0.0	88	448378	50.5	
13 Chloromethane	50	1.607	1.607	0.0	89	734319	48.5	
14 Vinyl chloride	62	1.737	1.737	0.0	83	590963	49.8	
15 Bromomethane	94	2.069	2.069	0.0	90	195758	51.0	
16 Chloroethane	64	2.187	2.187	0.0	93	325708	47.8	
18 Trichlorofluoromethane	101	2.507	2.507	0.0	86	576225	50.9	
20 Acrolein	56	3.027	3.027	0.0	96	446824	426.1	
21 1,1-Dichloroethene	96	3.146	3.146	0.0	84	428132	48.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	85	409779	48.3	
22 Acetone	43	3.252	3.252	0.0	97	224359	96.7	
24 Iodomethane	142	3.347	3.347	0.0	99	736540	46.6	
26 Carbon disulfide	76	3.418	3.418	0.0	99	1050437	40.5	
27 Acetonitrile	41	3.666	3.666	0.0	99	419605	435.4	
28 Methyl acetate	43	3.761	3.761	0.0	98	597507	94.5	
30 Methylene Chloride	84	3.879	3.879	0.0	88	472038	47.6	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	88	382884	856.6	
32 Acrylonitrile	53	4.305	4.305	0.0	97	277136	92.8	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	89	472166	47.4	
34 Methyl tert-butyl ether	73	4.353	4.353	0.0	89	919977	45.6	
35 Hexane	86	4.743	4.743	0.0	96	109873	46.8	
36 1,1-Dichloroethane	63	4.921	4.921	0.0	86	926327	48.5	
37 Vinyl acetate	86	5.039	5.039	0.0	97	35996	42.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	73	347511	54.1	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	479795	47.8	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	287427	95.8	
47 Chlorobromomethane	128	5.926	5.926	0.0	88	211145	47.8	
48 Tetrahydrofuran	42	5.985	5.985	0.0	92	100038	46.9	
49 Chloroform	83	6.033	6.033	0.0	84	779241	48.7	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	92	650613	52.9	
51 Cyclohexane	56	6.258	6.258	0.0	95	1227965	49.2	
53 Carbon tetrachloride	117	6.388	6.388	0.0	76	592981	48.3	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	620378	50.3	
55 Benzene	78	6.601	6.601	0.0	97	1630241	47.4	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	89	578316	46.9	
60 Trichloroethene	130	7.240	7.240	0.0	91	472051	48.4	
63 Methylcyclohexane	83	7.417	7.417	0.0	97	938345	49.5	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	88	429705	49.5	
65 Dibromomethane	93	7.559	7.559	0.0	88	179260	47.5	
66 1,4-Dioxane	88	7.583	7.583	0.0	91	108183	2216.9	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	393459	42.6	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	88	244817	98.0	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	82	422513	45.7	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	562080	99.7	
72 Toluene	91	8.411	8.411	0.0	97	1579790	49.1	
73 trans-1,3-Dichloropropene	75	8.601	8.601	0.0	90	306303	43.3	
74 Ethyl methacrylate	69	8.683	8.683	0.0	92	232696	44.6	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	212253	48.6	
77 Tetrachloroethene	164	8.885	8.885	0.0	91	362046	49.4	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	93	368712	48.3	
78 2-Hexanone	43	8.979	8.979	0.0	98	289164	98.5	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	227529	46.7	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	208861	49.1	
82 Chlorobenzene	112	9.618	9.618	0.0	91	988813	46.9	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	88	375030	47.6	
84 Ethylbenzene	106	9.713	9.713	0.0	98	552730	48.6	
10 m-Xylene & p-Xylene	106	9.808	9.808	0.0	98	1369264	98.2	
85 o-Xylene	106	10.151	10.151	0.0	95	711781	47.8	
86 Styrene	104	10.162	10.162	0.0	94	956581	50.2	
87 Bromoform	173	10.328	10.328	0.0	98	102038	42.7	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	1975375	49.1	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	81	254193	52.2	
91 Bromobenzene	156	10.719	10.719	0.0	93	391580	49.5	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	78	77029	47.5	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	50	78098	47.3	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	517709	54.1	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	441986	50.9	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	93	1616354	53.1	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	412505	49.6	
97 tert-Butylbenzene	119	11.227	11.227	0.0	89	1548791	53.0	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	1541904	51.5	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	2097363	53.1	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	91	813349	47.4	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	89	1838316	53.3	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	90	811361	45.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1466900	50.8	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	762681	46.0	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	71	32609	41.6	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	94	611301	43.6	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	90	475190	40.6	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	277357	43.4	
111 Naphthalene	128	13.440	13.440	0.0	97	762558	37.9	
112 1,2,3-Trichlorobenzene	180	13.630	13.630	0.0	94	353816	36.3	
S 137 Trihalomethanes, Total	1				0		180.6	
S 11 1,2-Dichloroethene, Total	96				0		95.2	
S 9 1,3-Dichloropropene, Total	75				0		89.0	
S 114 Xylenes, Total	106				0		146.0	

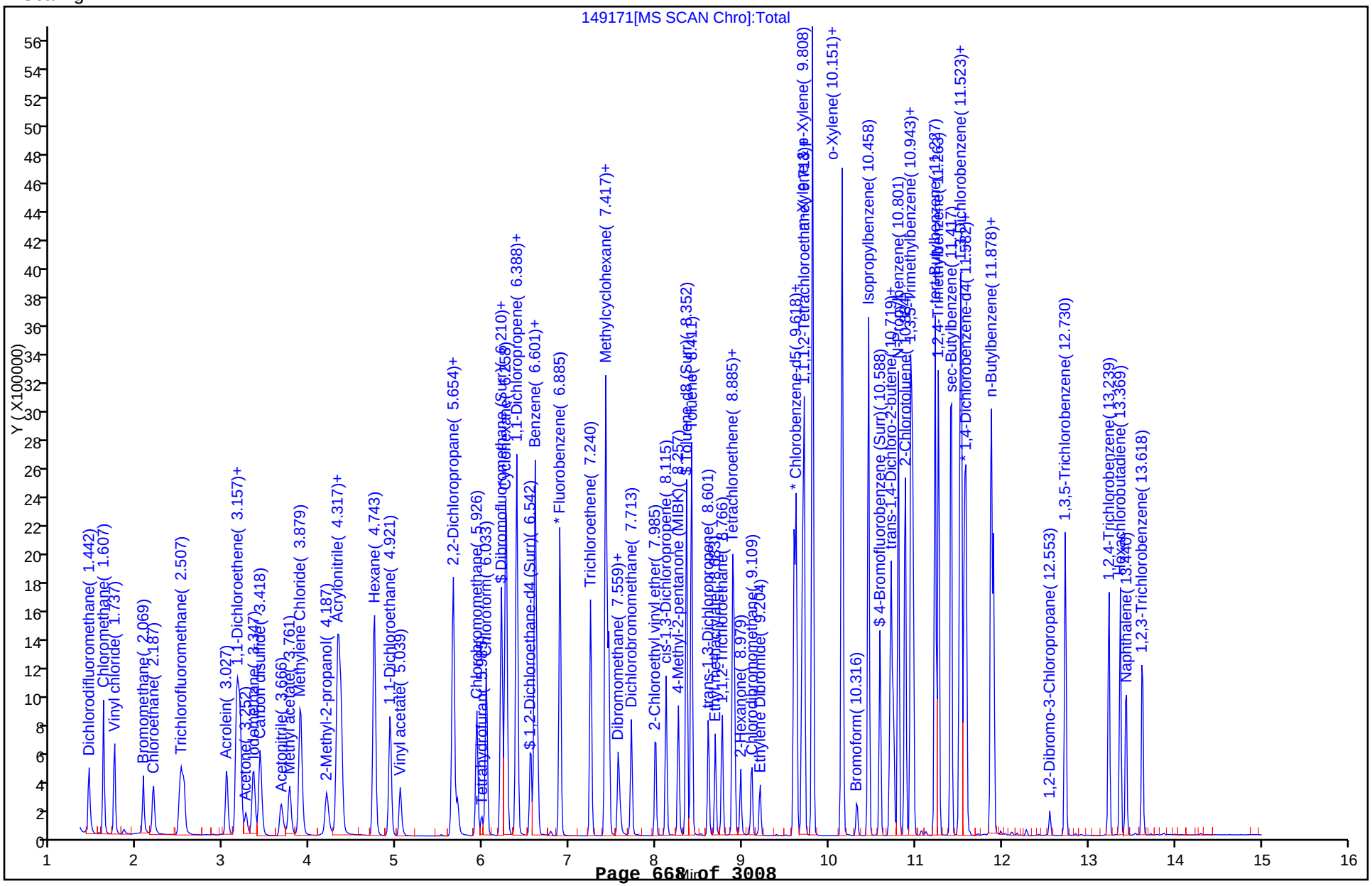
Report Date: 16-Nov-2012 09:58:08 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149171.D

Injection Date:	15-Nov-2012 11:37:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	3
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65171/4 Calibration Date: 11/15/2012 11:58

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 16:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 19:45

Lab File ID: 149172.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Lin1		0.2315		0.0438	0.0500	-12.4	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2632		0.0460	0.0500	-8.0	20.0
Toluene-d8 (Surr)	Lin1		1.435		0.0479	0.0500	-4.2	20.0
4-Bromofluorobenzene (Surr)	Qua		0.8285		0.0500	0.0500	-0.0	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121115-14986.b\149172.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	15-Nov-2012 11:58:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:	240-0014986-004 =240-0014986-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	65171	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub15		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121115-14986.b\8260_14.m		
Last Update:	16-Nov-2012 09:58:08	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: macenczaks		Date:	15-Nov-2012 12:25:46

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1510710	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	96	849252	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	467693	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	73	349685	43.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.541	0.0	93	397598	46.0	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1218763	47.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	387488	50.0	
17 Dichlorofluoromethane	67	2.447	2.447	0.0	84	743148	45.2	
19 Ethyl ether	59	2.873	2.873	0.0	98	339276	45.5	
29 3-Chloro-1-propene	76	3.690	3.690	0.0	85	205894	44.6	
39 2-Chloro-1,3-butadiene	53	5.039	5.039	0.0	80	1007423	52.3	
38 Isopropyl ether	87	5.074	5.074	0.0	96	1803907	236.0	
40 Tert-butyl ethyl ether	59	5.524	5.524	0.0	97	1323485	47.1	
44 Propionitrile	54	5.760	5.760	0.0	98	84921	85.4	
45 Ethyl acetate	43	5.796	5.796	0.0	99	510451	94.7	
46 Methacrylonitrile	41	5.926	5.926	0.0	98	195229	45.0	
54 Isobutyl alcohol	41	6.589	6.589	0.0	93	190482	868.6	
57 Tert-amyl methyl ether	73	6.743	6.743	0.0	86	812347	47.1	
58 n-Heptane	100	6.896	6.896	0.0	96	113791	54.3	
59 n-Butanol	56	7.228	7.228	0.0	97	114106	931.7	
64 Methyl methacrylate	41	7.571	7.571	0.0	88	206435	46.2	
68 2-Nitropropane	41	7.926	7.926	0.0	99	67030	90.2	
132 n-Butyl acetate	43	9.085	9.085	0.0	0	618879	0	
89 Cyclohexanone	55	10.541	10.541	0.0	96	535347	439.0	
103 1,2,3-Trimethylbenzene	105	11.630	11.630	0.0	98	1432392	51.1	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	89	989791	89.2	

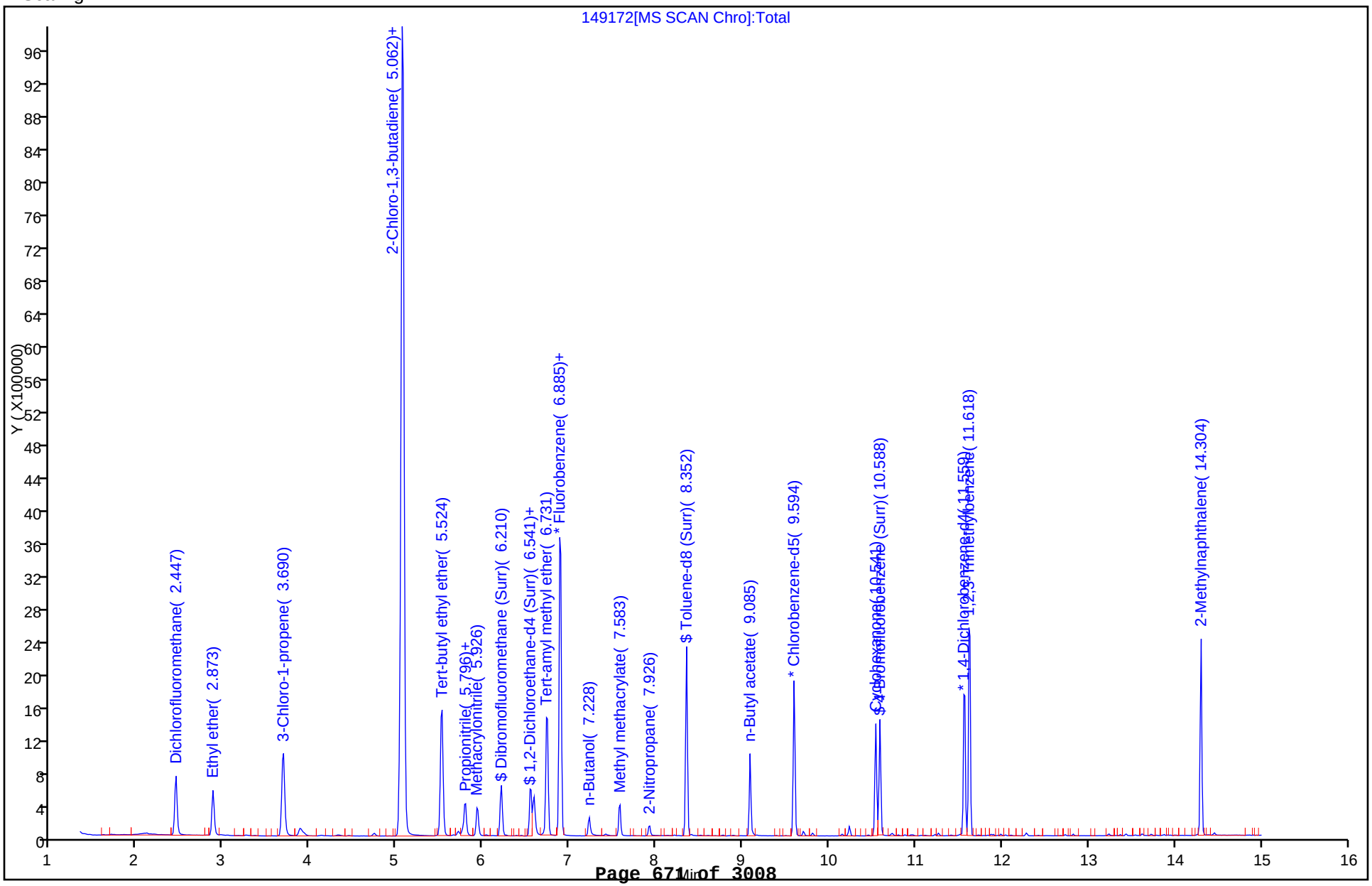
Report Date: 16-Nov-2012 09:58:08 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149172.D

Injection Date:	15-Nov-2012 11:58:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65171/4 Calibration Date: 11/15/2012 11:58

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 20:07

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 22:59

Lab File ID: 149172.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.5441	0.4919		0.0452	0.0500	-9.6	20.0
Cyclohexanone	Ave	0.0718	0.0630		0.439	0.500	-12.2	20.0
1,2,3-Trimethylbenzene	Ave	2.995	3.063		0.0511	0.0500	2.3	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121115-14986.b\149172.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	15-Nov-2012 11:58:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:	240-0014986-004 =240-0014986-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	65171	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub15		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121115-14986.b\8260_14.m		
Last Update:	16-Nov-2012 09:58:08	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: macenczaks		Date:	15-Nov-2012 12:25:46

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1510710	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	96	849252	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	467693	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	73	349685	43.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.541	0.0	93	397598	46.0	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1218763	47.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	387488	50.0	
17 Dichlorofluoromethane	67	2.447	2.447	0.0	84	743148	45.2	
19 Ethyl ether	59	2.873	2.873	0.0	98	339276	45.5	
29 3-Chloro-1-propene	76	3.690	3.690	0.0	85	205894	44.6	
39 2-Chloro-1,3-butadiene	53	5.039	5.039	0.0	80	1007423	52.3	
38 Isopropyl ether	87	5.074	5.074	0.0	96	1803907	236.0	
40 Tert-butyl ethyl ether	59	5.524	5.524	0.0	97	1323485	47.1	
44 Propionitrile	54	5.760	5.760	0.0	98	84921	85.4	
45 Ethyl acetate	43	5.796	5.796	0.0	99	510451	94.7	
46 Methacrylonitrile	41	5.926	5.926	0.0	98	195229	45.0	
54 Isobutyl alcohol	41	6.589	6.589	0.0	93	190482	868.6	
57 Tert-amyl methyl ether	73	6.743	6.743	0.0	86	812347	47.1	
58 n-Heptane	100	6.896	6.896	0.0	96	113791	54.3	
59 n-Butanol	56	7.228	7.228	0.0	97	114106	931.7	
64 Methyl methacrylate	41	7.571	7.571	0.0	88	206435	46.2	
68 2-Nitropropane	41	7.926	7.926	0.0	99	67030	90.2	
132 n-Butyl acetate	43	9.085	9.085	0.0	0	618879	0	
89 Cyclohexanone	55	10.541	10.541	0.0	96	535347	439.0	
103 1,2,3-Trimethylbenzene	105	11.630	11.630	0.0	98	1432392	51.1	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	89	989791	89.2	

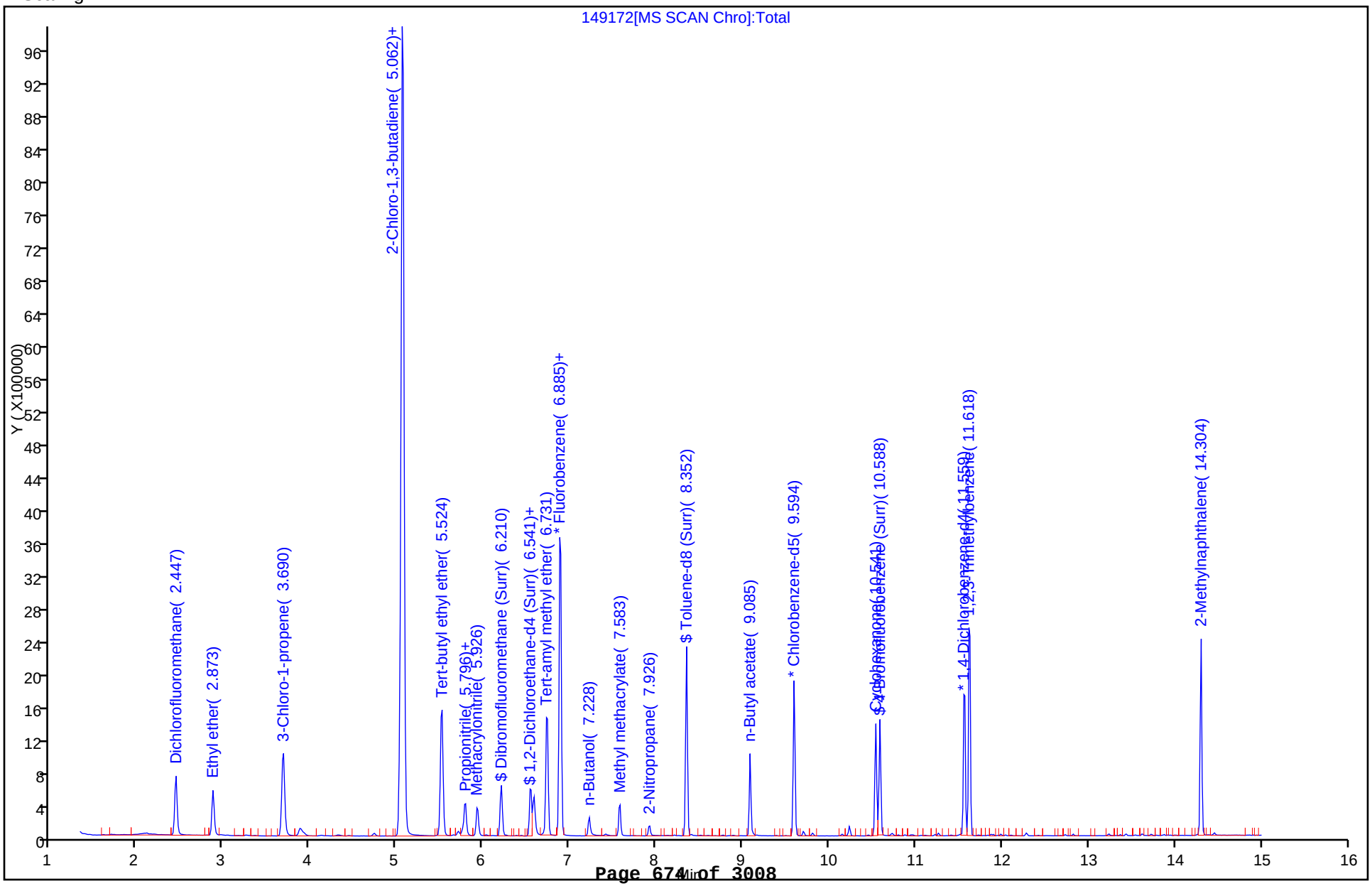
Report Date: 16-Nov-2012 09:58:08 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149172.D

Injection Date:	15-Nov-2012 11:58:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65336/3 Calibration Date: 11/16/2012 12:53

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 16:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 19:45

Lab File ID: 149204.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2874	0.2759	0.1000	0.0480	0.0500	-4.0	20.0
Chloromethane	Ave	0.4898	0.4851	0.1000	0.0495	0.0500	-1.0	20.0
Vinyl chloride	Ave	0.3840	0.3799	0.1000	0.0495	0.0500	-1.1	20.0
Bromomethane	Lin1		0.1235	0.0500	0.0497	0.0500	-0.7	20.0
Chloroethane	Ave	0.2207	0.2056	0.0500	0.0466	0.0500	-6.9	20.0
Trichlorofluoromethane	Ave	0.3665	0.3584	0.1000	0.0489	0.0500	-2.2	20.0
1,1-Dichloroethene	Ave	0.2874	0.2673	0.1000	0.0465	0.0500	-7.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2745	0.2583	0.0500	0.0471	0.0500	-5.9	20.0
Acetone	Lin1		0.0782	0.0500	0.105	0.100	4.6	20.0
Iodomethane	Ave	0.5119	0.4679		0.0457	0.0500	-8.6	20.0
Carbon disulfide	Lin1		0.6737	0.1000	0.0401	0.0500	-19.8	20.0
Methyl acetate	Ave	0.2047	0.2087	0.1000	0.102	0.100	2.0	20.0
Methylene Chloride	Lin1		0.3193	0.1000	0.0500	0.0500	-0.0	20.0
2-Methyl-2-propanol	Ave	0.0145	0.0133		0.922	1.00	-7.8	20.0
trans-1,2-Dichloroethene	Ave	0.3227	0.3042	0.1000	0.0471	0.0500	-5.7	20.0
Methyl tert-butyl ether	Ave	0.6527	0.6262	0.1000	0.0480	0.0500	-4.1	20.0
1,1-Dichloroethane	Ave	0.6187	0.5983	0.1000	0.0484	0.0500	-3.3	20.0
Vinyl acetate	Lin1		0.0232		0.0423	0.0500	-15.5	20.0
2,2-Dichloropropane	Ave	0.2081	0.2013		0.0484	0.0500	-3.3	20.0
cis-1,2-Dichloroethene	Ave	0.3249	0.3112	0.1000	0.0479	0.0500	-4.2	20.0
2-Butanone (MEK)	Lin1		0.1008	0.0500	0.104	0.100	3.9	20.0
Bromochloromethane	Ave	0.1429	0.1409		0.0493	0.0500	-1.4	20.0
Chloroform	Ave	0.5184	0.5090	0.2000	0.0491	0.0500	-1.8	20.0
1,1,1-Trichloroethane	Ave	0.3984	0.4034	0.1000	0.0506	0.0500	1.2	20.0
Cyclohexane	Ave	0.8073	0.7714	0.1000	0.0478	0.0500	-4.4	20.0
1,1-Dichloropropene	Ave	0.3995	0.4056		0.0508	0.0500	1.5	20.0
Carbon tetrachloride	Lin1		0.3790	0.1000	0.0477	0.0500	-4.7	20.0
Benzene	Ave	1.113	1.078	0.5000	0.0484	0.0500	-3.2	20.0
1,2-Dichloroethane	Ave	0.3993	0.3944	0.1000	0.0494	0.0500	-1.2	20.0
Trichloroethene	Ave	0.3155	0.3184	0.2000	0.0505	0.0500	0.9	20.0
Methylcyclohexane	Ave	0.6141	0.6017	0.1000	0.0490	0.0500	-2.0	20.0
1,2-Dichloropropane	Ave	0.2810	0.2854	0.1000	0.0508	0.0500	1.6	20.0
Dibromomethane	Ave	0.1221	0.1228		0.0503	0.0500	0.6	20.0
Bromodichloromethane	Lin1		0.2654	0.1000	0.0443	0.0500	-11.4	20.0
cis-1,3-Dichloropropene	Qua		0.2865	0.1500	0.0477	0.0500	-4.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3084	0.3504	0.0500	0.114	0.100	13.6	20.0
Toluene	Ave	1.758	1.812	0.4000	0.0516	0.0500	3.1	20.0
trans-1,3-Dichloropropene	Lin1		0.3539	0.1000	0.0457	0.0500	-8.6	20.0
1,1,2-Trichloroethane	Ave	0.2389	0.2593	0.1000	0.0543	0.0500	8.6	20.0
Tetrachloroethene	Ave	0.4007	0.4115	0.2000	0.0513	0.0500	2.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65336/3 Calibration Date: 11/16/2012 12:53

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 16:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 19:45

Lab File ID: 149204.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.4174	0.4403		0.0527	0.0500	5.5	20.0
2-Hexanone	Ave	0.1605	0.1754	0.0500	0.109	0.100	9.3	20.0
Dibromochloromethane	Qua		0.2792		0.0520	0.0500	3.9	20.0
1,2-Dibromoethane	Ave	0.2326	0.2535		0.0545	0.0500	9.0	20.0
Chlorobenzene	Ave	1.153	1.129	0.3000	0.0490	0.0500	-2.1	20.0
1,1,1,2-Tetrachloroethane	Lin1		0.4325		0.0501	0.0500	0.3	20.0
Ethylbenzene	Ave	0.6221	0.6251		0.0502	0.0500	0.5	20.0
m-Xylene & p-Xylene	Ave	0.7625	0.7727		0.101	0.100	1.3	20.0
o-Xylene	Ave	0.8137	0.7955		0.0489	0.0500	-2.2	20.0
Styrene	Ave	1.042	1.076	0.3000	0.0517	0.0500	3.3	20.0
Bromoform	Qua		0.1321	0.1000	0.0496	0.0500	-0.9	20.0
Isopropylbenzene	Ave	2.198	2.211	0.1000	0.0503	0.0500	0.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4994	0.5454	0.3000	0.0546	0.0500	9.2	20.0
Bromobenzene	Ave	0.8110	0.8157		0.0503	0.0500	0.6	20.0
1,2,3-Trichloropropane	Ave	0.1664	0.1733		0.0521	0.0500	4.2	20.0
N-Propylbenzene	Ave	0.9810	1.050		0.0535	0.0500	7.0	20.0
2-Chlorotoluene	Ave	0.8900	0.9197		0.0517	0.0500	3.3	20.0
1,3,5-Trimethylbenzene	Ave	3.118	3.287		0.0527	0.0500	5.4	20.0
4-Chlorotoluene	Ave	0.8531	0.8609		0.0505	0.0500	0.9	20.0
tert-Butylbenzene	Ave	2.995	3.193		0.0533	0.0500	6.6	20.0
1,2,4-Trimethylbenzene	Ave	3.071	3.146		0.0512	0.0500	2.4	20.0
sec-Butylbenzene	Ave	4.052	4.280		0.0528	0.0500	5.6	20.0
1,3-Dichlorobenzene	Ave	1.760	1.679	0.6000	0.0477	0.0500	-4.6	20.0
4-Isopropyltoluene	Ave	3.533	3.715		0.0526	0.0500	5.1	20.0
1,4-Dichlorobenzene	Ave	1.824	1.680	0.5000	0.0461	0.0500	-7.9	20.0
n-Butylbenzene	Ave	2.960	3.002		0.0507	0.0500	1.4	20.0
1,2-Dichlorobenzene	Ave	1.701	1.582	0.4000	0.0465	0.0500	-7.0	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0764	0.0500	0.0471	0.0500	-5.8	20.0
1,2,4-Trichlorobenzene	Ave	1.201	1.035	0.2000	0.0431	0.0500	-13.8	20.0
Hexachlorobutadiene	Ave	0.6558	0.5949		0.0454	0.0500	-9.3	20.0
Naphthalene	Ave	2.060	1.760		0.0427	0.0500	-14.6	20.0
1,2,3-Trichlorobenzene	Ave	0.999	0.8003		0.0401	0.0500	-19.9	20.0
Dibromofluoromethane (Surr)	Lin1		0.2515		0.0477	0.0500	-4.6	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2728		0.0477	0.0500	-4.5	20.0
Toluene-d8 (Surr)	Lin1		1.522		0.0509	0.0500	1.7	20.0
4-Bromofluorobenzene (Surr)	Qua		0.8228		0.0497	0.0500	-0.7	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149204.D
Lims ID: CCVIS Client ID:
Inject. Date: 16-Nov-2012 12:53:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: ccvis
Misc. Info.: 240-0015021-003 =240-0015021-003
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 65336 Lims Sample ID: 3
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121116-15021.b\8260_14.m
Last Update: 20-Nov-2012 14:44:35 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: macenczaks Date: 16-Nov-2012 13:11:20

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1660068	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	951767	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	99	528570	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	75	417470	47.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.541	0.0	93	452819	47.7	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1448191	50.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	91	434927	49.7	
12 Dichlorodifluoromethane	85	1.441	1.441	0.0	87	458047	48.0	
13 Chloromethane	50	1.607	1.607	0.0	89	805236	49.5	
14 Vinyl chloride	62	1.737	1.737	0.0	83	630726	49.5	
15 Bromomethane	94	2.069	2.069	0.0	90	204955	49.7	
16 Chloroethane	64	2.187	2.187	0.0	93	341279	46.6	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	86	594879	48.9	
20 Acrolein	56	3.039	3.039	0.0	95	479473	425.4	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	84	443773	46.5	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	83	428857	47.1	
22 Acetone	43	3.252	3.252	0.0	97	259597	104.6	
24 Iodomethane	142	3.347	3.347	0.0	99	776719	45.7	
26 Carbon disulfide	76	3.418	3.418	0.0	99	1118346	40.1	
27 Acetonitrile	41	3.666	3.666	0.0	100	478509	461.9	
28 Methyl acetate	43	3.761	3.761	0.0	98	692841	102.0	
30 Methylene Chloride	84	3.891	3.891	0.0	88	529982	50.0	
31 2-Methyl-2-propanol	59	4.199	4.199	0.0	88	442802	921.7	
32 Acrylonitrile	53	4.305	4.305	0.0	97	314334	97.9	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	89	504937	47.1	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	94	1039472	48.0	
35 Hexane	86	4.743	4.743	0.0	96	123496	49.0	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	993146	48.4	
37 Vinyl acetate	86	5.039	5.039	0.0	97	38503	42.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	70	334198	48.4	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	516673	47.9	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	334605	103.9	
47 Chlorobromomethane	128	5.926	5.926	0.0	87	233857	49.3	
48 Tetrahydrofuran	42	5.985	5.985	0.0	92	119103	52.0	
49 Chloroform	83	6.033	6.033	0.0	84	844938	49.1	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	88	669650	50.6	
51 Cyclohexane	56	6.269	6.269	0.0	95	1280628	47.8	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	673320	50.8	
53 Carbon tetrachloride	117	6.388	6.388	0.0	73	629174	47.7	
55 Benzene	78	6.601	6.601	0.0	96	1788921	48.4	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	654725	49.4	
60 Trichloroethene	130	7.240	7.240	0.0	92	528589	50.5	
63 Methylcyclohexane	83	7.417	7.417	0.0	98	998884	49.0	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	90	473854	50.8	
65 Dibromomethane	93	7.559	7.559	0.0	94	203911	50.3	
66 1,4-Dioxane	88	7.583	7.583	0.0	95	130828	2494.1	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	440506	44.3	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	89	278642	103.4	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	83	475638	47.7	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	667048	113.6	
72 Toluene	91	8.411	8.411	0.0	97	1724947	51.6	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	90	336833	45.7	
74 Ethyl methacrylate	69	8.683	8.683	0.0	92	272020	50.0	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	246822	54.3	
77 Tetrachloroethene	164	8.884	8.884	0.0	90	391684	51.3	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	419087	52.7	
78 2-Hexanone	43	8.979	8.979	0.0	98	333942	109.3	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	265740	52.0	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	241293	54.5	
82 Chlorobenzene	112	9.618	9.618	0.0	91	1074807	49.0	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	87	411625	50.1	
84 Ethylbenzene	106	9.713	9.713	0.0	98	594940	50.2	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	1470900	101.3	
85 o-Xylene	106	10.150	10.150	0.0	95	757099	48.9	
86 Styrene	104	10.162	10.162	0.0	95	1024369	51.7	
87 Bromoform	173	10.316	10.316	0.0	95	125760	49.6	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	2104728	50.3	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	86	288294	54.6	
91 Bromobenzene	156	10.718	10.718	0.0	93	431174	50.3	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	76	91613	52.1	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	51	89173	49.9	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	554771	53.5	
95 2-Chlorotoluene	126	10.884	10.884	0.0	98	486146	51.7	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	93	1737666	52.7	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	455065	50.5	
97 tert-Butylbenzene	119	11.227	11.227	0.0	88	1687571	53.3	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	1662741	51.2	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	2262217	52.8	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	98	887678	47.7	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	91	1963582	52.6	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	92	888080	46.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1586702	50.7	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	835971	46.5	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	73	40400	47.1	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	94	685694	45.1	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	546861	43.1	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	314455	45.4	
111 Naphthalene	128	13.440	13.440	0.0	97	930444	42.7	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	94	423027	40.1	
S 137 Trihalomethanes, Total	1				0		194.9	
S 11 1,2-Dichloroethene, Total	96				0		95.0	
S 9 1,3-Dichloropropene, Total	75				0		93.4	
S 114 Xylenes, Total	106				0		150.2	

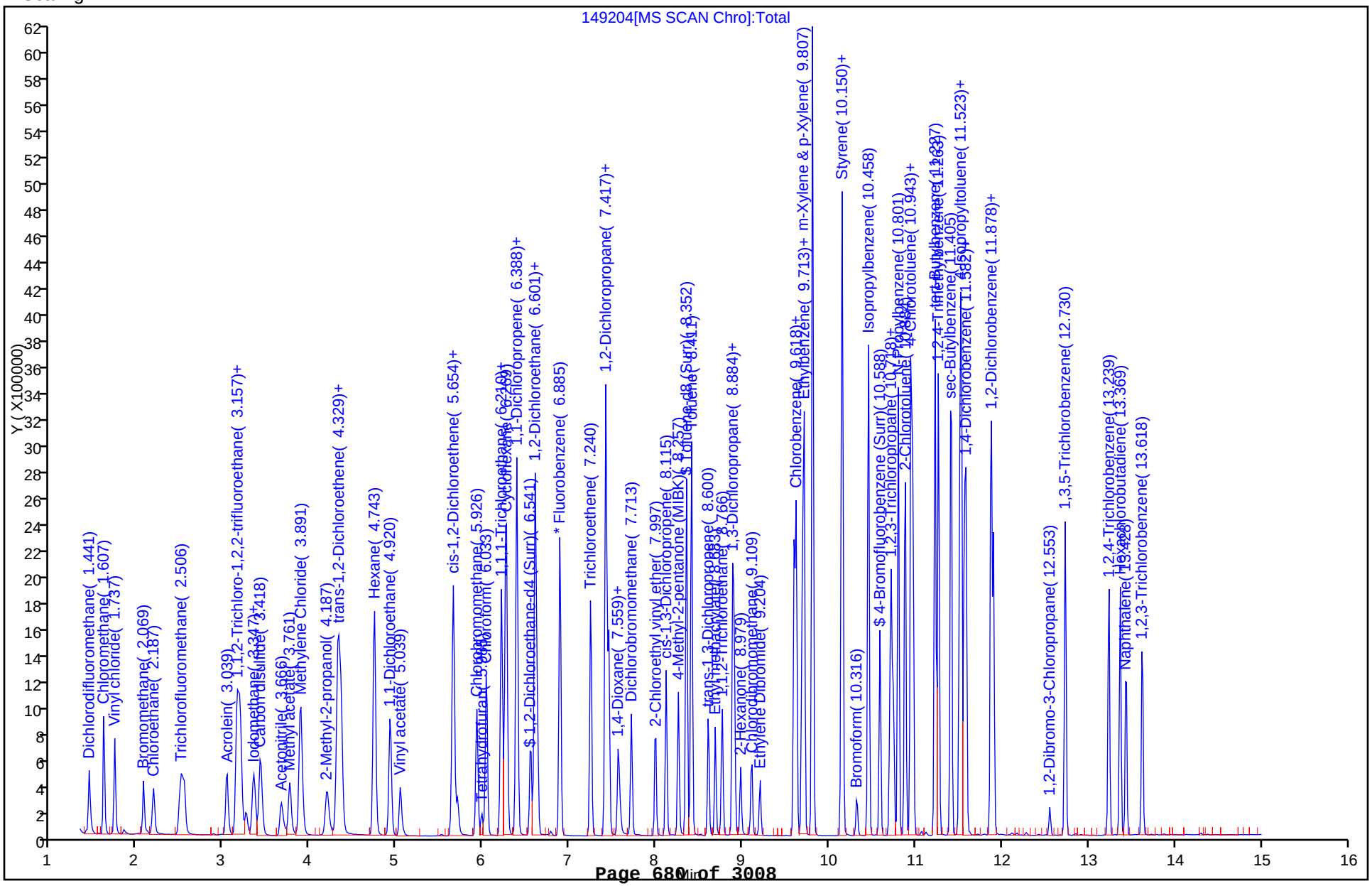
Report Date: 20-Nov-2012 14:44:36 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149204.D

Injection Date:	16-Nov-2012 12:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	3
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65336/4 Calibration Date: 11/16/2012 13:15

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 16:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 19:45

Lab File ID: 149205.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Lin1		0.2402		0.0455	0.0500	-9.0	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2704		0.0473	0.0500	-5.4	20.0
Toluene-d8 (Surr)	Lin1		1.501		0.0502	0.0500	0.3	20.0
4-Bromofluorobenzene (Surr)	Qua		0.8633		0.0521	0.0500	4.1	20.0

Report Date: 20-Nov-2012 14:44:37 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149205.D
Lims ID: CCV Client ID:
Inject. Date: 16-Nov-2012 13:15:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.: 240-0015021-004 =240-0015021-004
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 65336 Lims Sample ID: 4
Sublist: chrom-8260_14*sub15
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121116-15021.b\8260_14.m
Last Update: 20-Nov-2012 14:44:36 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: macenczaks Date: 16-Nov-2012 13:41:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1681404	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	92	922824	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	515083	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	64	403916	45.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.553	0.0	94	454619	47.3	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1384938	50.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	86	444686	52.1	
17 Dichlorofluoromethane	67	2.447	2.447	0.0	84	794753	43.4	
19 Ethyl ether	59	2.873	2.873	0.0	98	370937	44.7	
29 3-Chloro-1-propene	76	3.690	3.690	0.0	85	220138	42.8	
39 2-Chloro-1,3-butadiene	53	5.039	5.039	0.0	90	1103478	51.5	
38 Isopropyl ether	87	5.074	5.074	0.0	96	1959790	230.4	
40 Tert-butyl ethyl ether	59	5.524	5.524	0.0	97	1420961	45.4	
44 Propionitrile	54	5.760	5.760	0.0	97	93586	84.5	
45 Ethyl acetate	43	5.796	5.796	0.0	99	595832	99.3	
46 Methacrylonitrile	41	5.938	5.938	0.0	98	220718	45.7	
54 Isobutyl alcohol	41	6.589	6.589	0.0	91	213873	876.3	
57 Tert-amyl methyl ether	73	6.743	6.743	0.0	86	863639	45.0	
58 n-Heptane	100	6.896	6.896	0.0	97	127744	54.7	
59 n-Butanol	56	7.228	7.228	0.0	96	125842	945.1	
64 Methyl methacrylate	41	7.583	7.583	0.0	90	235468	47.4	
68 2-Nitropropane	41	7.926	7.926	0.0	99	74643	90.3	
132 n-Butyl acetate	43	9.085	9.085	0.0	0	665803	0	
89 Cyclohexanone	55	10.541	10.541	0.0	96	611395	461.4	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	98	1593645	51.6	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	89	1127741	92.3	

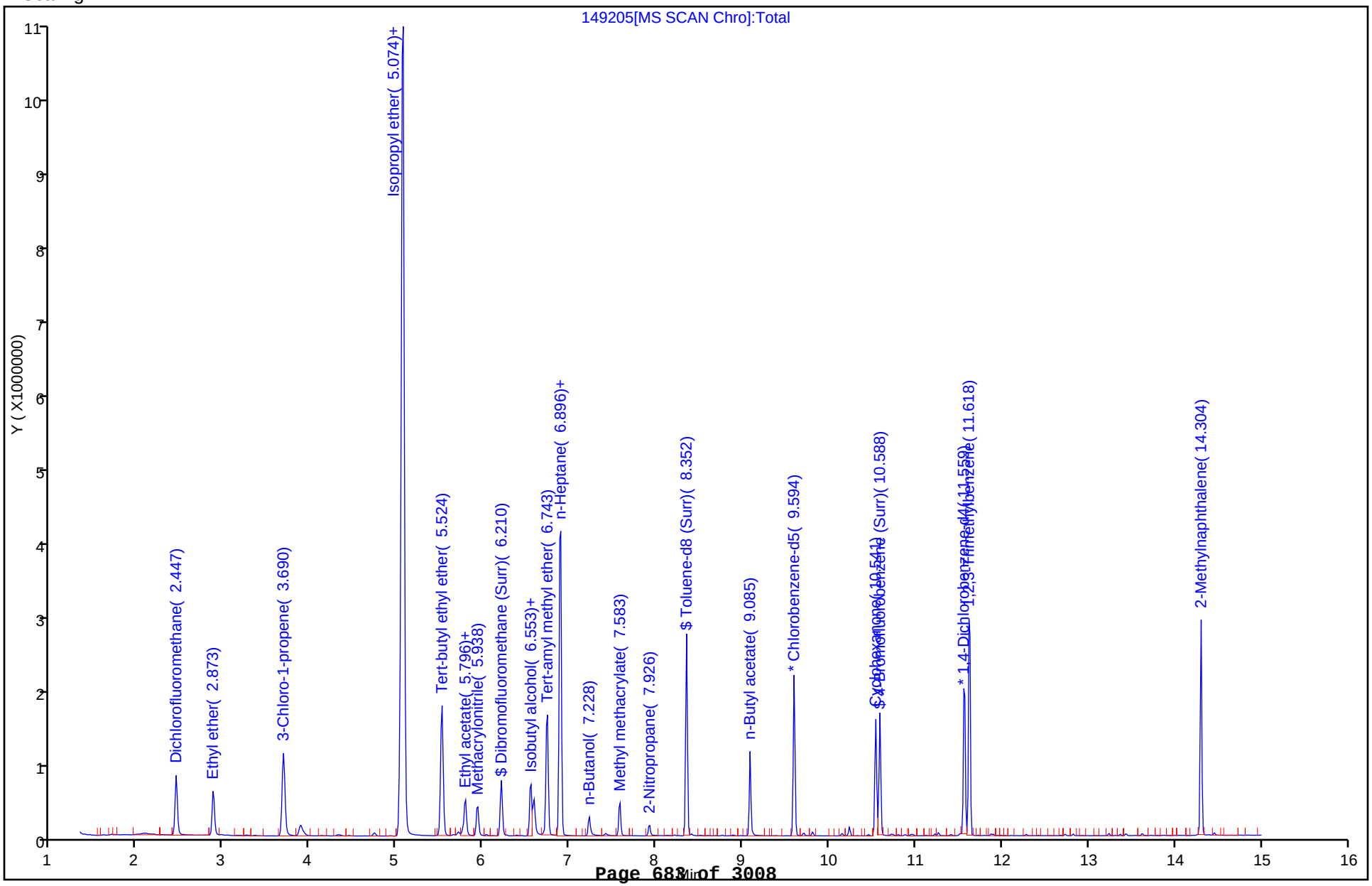
Report Date: 20-Nov-2012 14:44:37 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149205.D

Injection Date:	16-Nov-2012 13:15:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65336/4 Calibration Date: 11/16/2012 13:15

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 20:07

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 22:59

Lab File ID: 149205.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.5441	0.4727		0.0434	0.0500	-13.1	20.0
Cyclohexanone	Ave	0.0718	0.0663		0.461	0.500	-7.7	20.0
1,2,3-Trimethylbenzene	Ave	2.995	3.094		0.0516	0.0500	3.3	20.0

Report Date: 20-Nov-2012 14:44:37 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149205.D
Lims ID: CCV Client ID:
Inject. Date: 16-Nov-2012 13:15:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: ccv
Misc. Info.: 240-0015021-004 =240-0015021-004
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 65336 Lims Sample ID: 4
Sublist: chrom-8260_14*sub15
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121116-15021.b\8260_14.m
Last Update: 20-Nov-2012 14:44:36 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: macenczaks Date: 16-Nov-2012 13:41:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1681404	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	92	922824	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	515083	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	64	403916	45.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.553	0.0	94	454619	47.3	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1384938	50.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	86	444686	52.1	
17 Dichlorofluoromethane	67	2.447	2.447	0.0	84	794753	43.4	
19 Ethyl ether	59	2.873	2.873	0.0	98	370937	44.7	
29 3-Chloro-1-propene	76	3.690	3.690	0.0	85	220138	42.8	
39 2-Chloro-1,3-butadiene	53	5.039	5.039	0.0	90	1103478	51.5	
38 Isopropyl ether	87	5.074	5.074	0.0	96	1959790	230.4	
40 Tert-butyl ethyl ether	59	5.524	5.524	0.0	97	1420961	45.4	
44 Propionitrile	54	5.760	5.760	0.0	97	93586	84.5	
45 Ethyl acetate	43	5.796	5.796	0.0	99	595832	99.3	
46 Methacrylonitrile	41	5.938	5.938	0.0	98	220718	45.7	
54 Isobutyl alcohol	41	6.589	6.589	0.0	91	213873	876.3	
57 Tert-amyl methyl ether	73	6.743	6.743	0.0	86	863639	45.0	
58 n-Heptane	100	6.896	6.896	0.0	97	127744	54.7	
59 n-Butanol	56	7.228	7.228	0.0	96	125842	945.1	
64 Methyl methacrylate	41	7.583	7.583	0.0	90	235468	47.4	
68 2-Nitropropane	41	7.926	7.926	0.0	99	74643	90.3	
132 n-Butyl acetate	43	9.085	9.085	0.0	0	665803	0	
89 Cyclohexanone	55	10.541	10.541	0.0	96	611395	461.4	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	98	1593645	51.6	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	89	1127741	92.3	

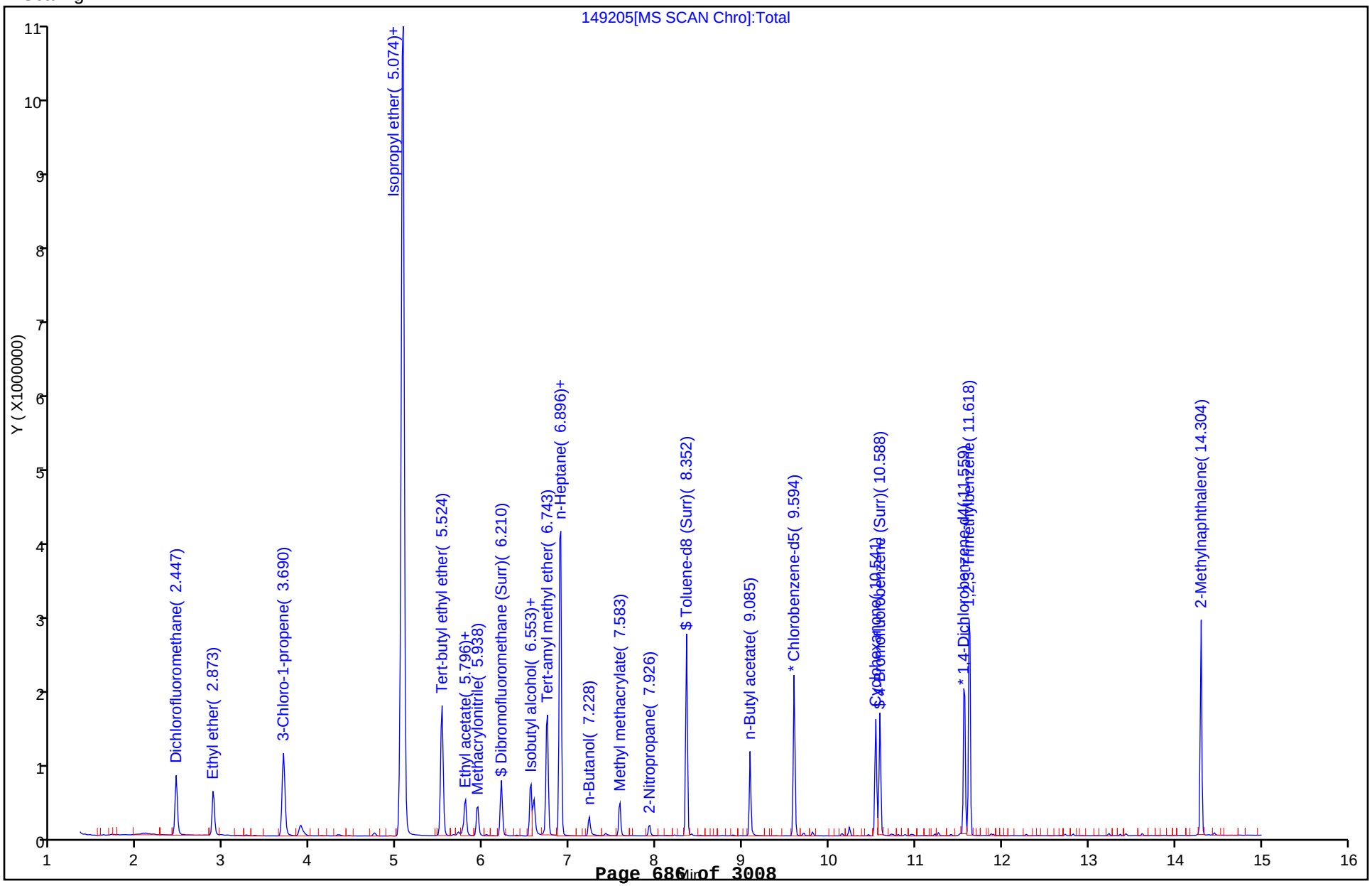
Report Date: 20-Nov-2012 14:44:37 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149205.D

Injection Date:	16-Nov-2012 13:15:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\BFB5043.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	12-Nov-2012 13:44:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:			
Misc. Info.:	P21112A-IC,BFBUX10,,1904 =P21112A-IC,BFBUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	64678	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m		
Last Update:	14-Nov-2012 12:22:52	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		
First Level Reviewer: quayler		Date:	12-Nov-2012 14:08:02

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.748	3.748	0.0	0	464045	0	

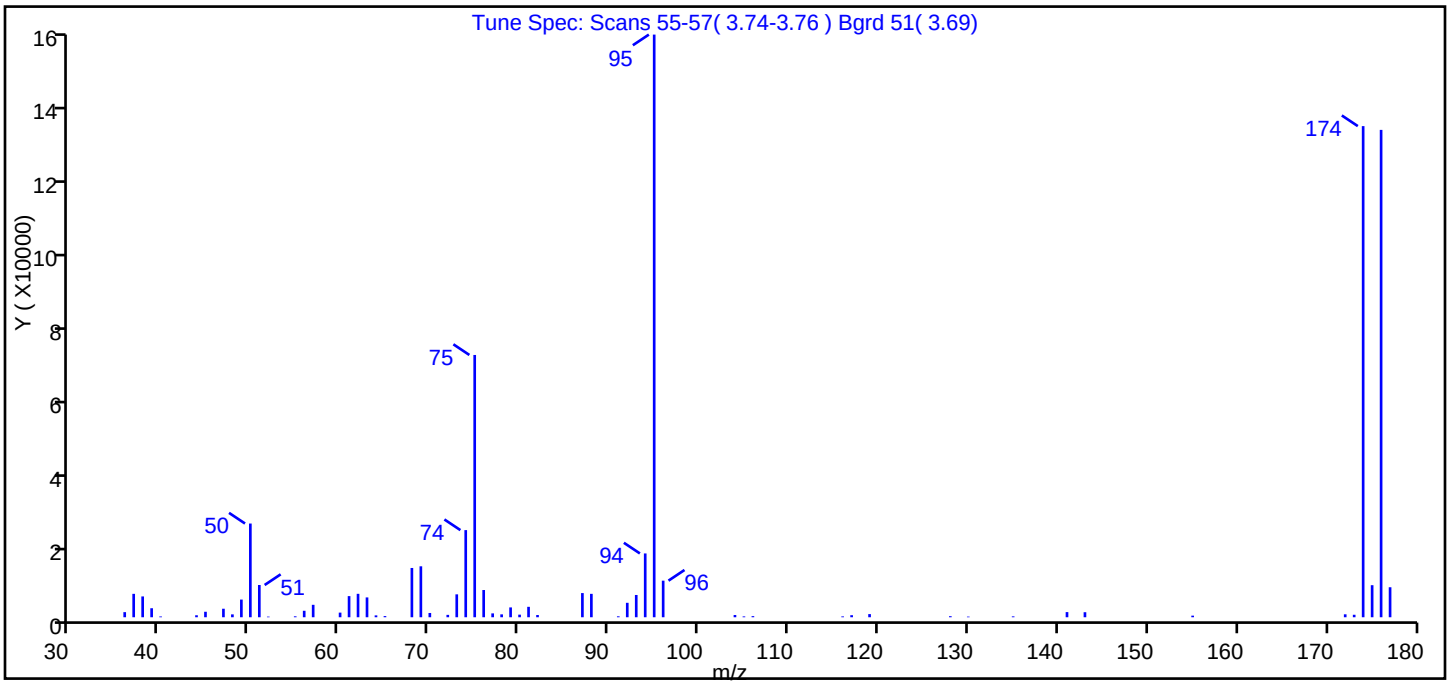
Report Date: 14-Nov-2012 12:22:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\BFB5043.D		
Injection Date:	12-Nov-2012 13:44:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	1
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.09
75	30.00 - 60.00% of mass 95	45.01
96	5.00 - 9.00% of mass 95	6.28
173	Less than 2.00% of mass 174	0.43 (0.51)
174	Greater than 50.00% of mass 95	84.29
175	5.00 - 9.00% of mass 174	5.50 (6.53)
176	95.00 - 101.00% of mass 174	83.64 (99.23)
177	5.00 - 9.00% of mass 176	5.15 (6.16)

Report Date: 14-Nov-2012 12:22:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\BFB5043.D\8260_10.rslt\spectra.d
Injection Date: 12-Nov-2012 13:44:30
Spectrum: Tune Spec: Scans 55-57(3.74-3.76) Bgrd 51(3.69)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1324	60.00	1202	79.00	2549	117.00	533
37.00	6063	61.00	5473	80.00	675	119.00	816
38.00	5390	62.00	6068	81.00	2702	128.00	270
39.00	2338	63.00	5135	82.00	577	130.00	169
40.00	204	64.00	486	87.00	6259	135.00	228
44.00	517	65.00	303	88.00	6061	141.00	1335
45.00	1423	68.00	12760	91.00	241	143.00	1304
47.00	2207	69.00	13191	92.00	3739	155.00	416
48.00	748	70.00	1107	93.00	5766	172.00	764
49.00	4579	72.00	619	94.00	16520	173.00	646
50.00	24264	73.00	5931	95.00	150848	174.00	127152
51.00	8351	74.00	22560	96.00	9474	175.00	8300
52.00	167	75.00	67904	104.00	579	176.00	126176
55.00	241	76.00	7051	105.00	218	177.00	7770
56.00	1678	77.00	1003	106.00	286		
57.00	3222	78.00	752	116.00	222		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121113-14902.b\BFB5045.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	13-Nov-2012 10:58:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	240-0014902-001		
Misc. Info.:	P21113A,BFBUX10,,1904 =P21113A,BFBUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	16
Lims Batch ID:	64831	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121113-14902.b\8260_10.m		
Last Update:	14-Nov-2012 13:08:21	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		
First Level Reviewer: quayler		Date:	13-Nov-2012 12:02:00

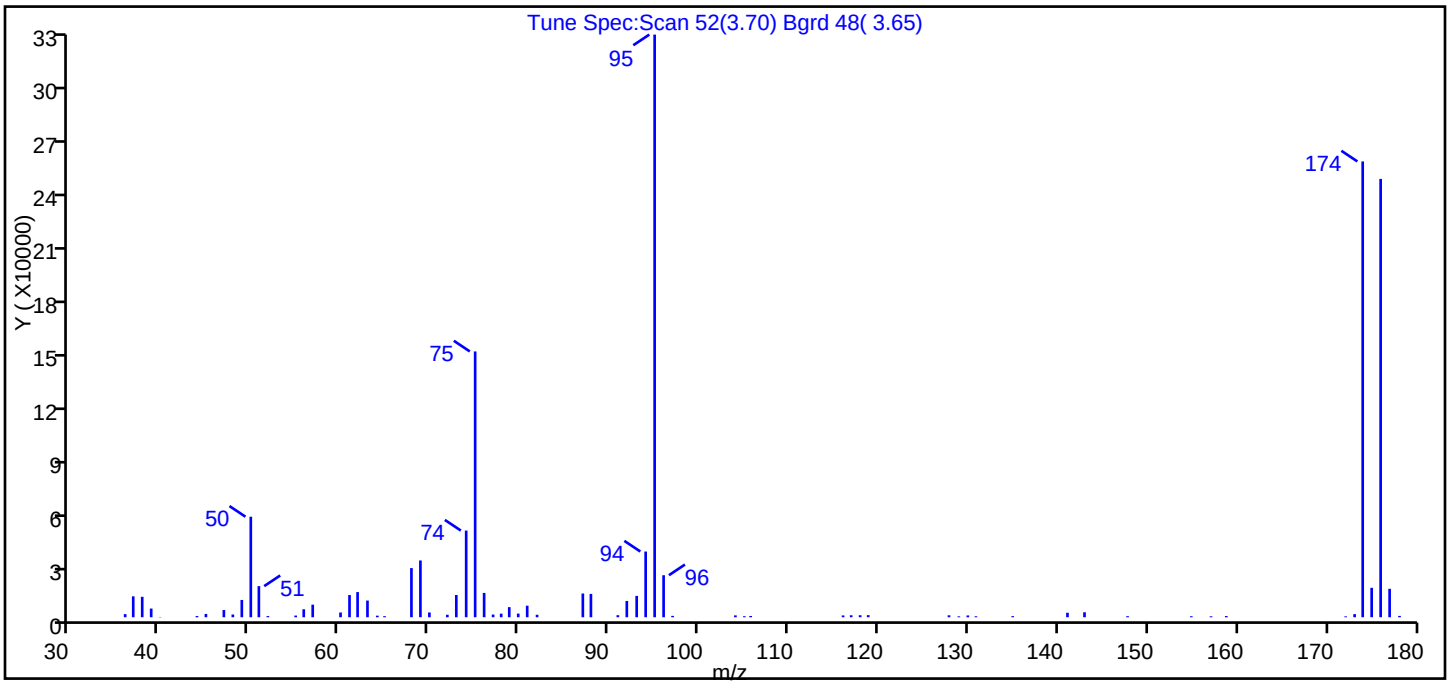
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.699	3.699	0.0	0	485914	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX10\20121113-14902.b\BFB5045.D		
Injection Date:	13-Nov-2012 10:58:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64831	Lims Sample ID:	1
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.25
75	30.00 - 60.00% of mass 95	45.62
96	5.00 - 9.00% of mass 95	7.22
173	Less than 2.00% of mass 174	0.54 (0.68)
174	Greater than 50.00% of mass 95	78.23
175	5.00 - 9.00% of mass 174	5.05 (6.46)
176	95.00 - 101.00% of mass 174	75.23 (96.17)
177	5.00 - 9.00% of mass 176	4.88 (6.49)

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\BFB5045.D\8260_10.rslt\spectra.d
Injection Date: 13-Nov-2012 10:58:30
Spectrum: Tune Spec:Scan 52(3.70) Bgrd 48(3.65)
Base Peak: 95.05
Minimum % Base Peak: 0
Number of Points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	1754	61.95	14113	87.05	13307	129.95	1011
36.95	11730	63.05	9369	87.95	13087	130.85	560
37.95	11472	64.15	887	90.95	1156	134.95	629
38.95	4880	64.95	621	91.95	9140	141.05	2523
39.95	161	67.95	27560	93.05	11967	142.95	2804
44.05	694	68.95	31832	94.05	36840	147.75	604
45.05	1860	69.95	2696	95.05	326592	154.85	567
47.05	4059	71.95	1402	96.05	23568	157.05	535
48.05	1549	72.95	12470	97.05	782	158.75	692
49.05	9699	74.05	48584	104.05	1049	172.05	502
50.05	56352	75.05	148992	105.05	576	173.05	1749
50.95	17448	76.05	13638	105.75	719	173.95	255488
51.95	667	77.05	1520	116.05	1021	174.95	16504
55.05	943	77.95	2030	116.95	1116	175.95	245696
55.95	4477	78.85	5668	117.95	1142	176.95	15948
56.95	7062	79.85	2058	118.85	1196	178.05	753
60.05	2676	80.85	6483	127.85	1092		
61.05	12454	81.95	1397	128.95	513		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\BFB14279.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	13-Nov-2012 16:10:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0014916-027 =240-0014916-027		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	64859	Lims Sample ID:	27
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\8260_14.m		
Last Update:	14-Nov-2012 15:22:49	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK032		
First Level Reviewer: macenczaks		Date:	14-Nov-2012 10:24:37

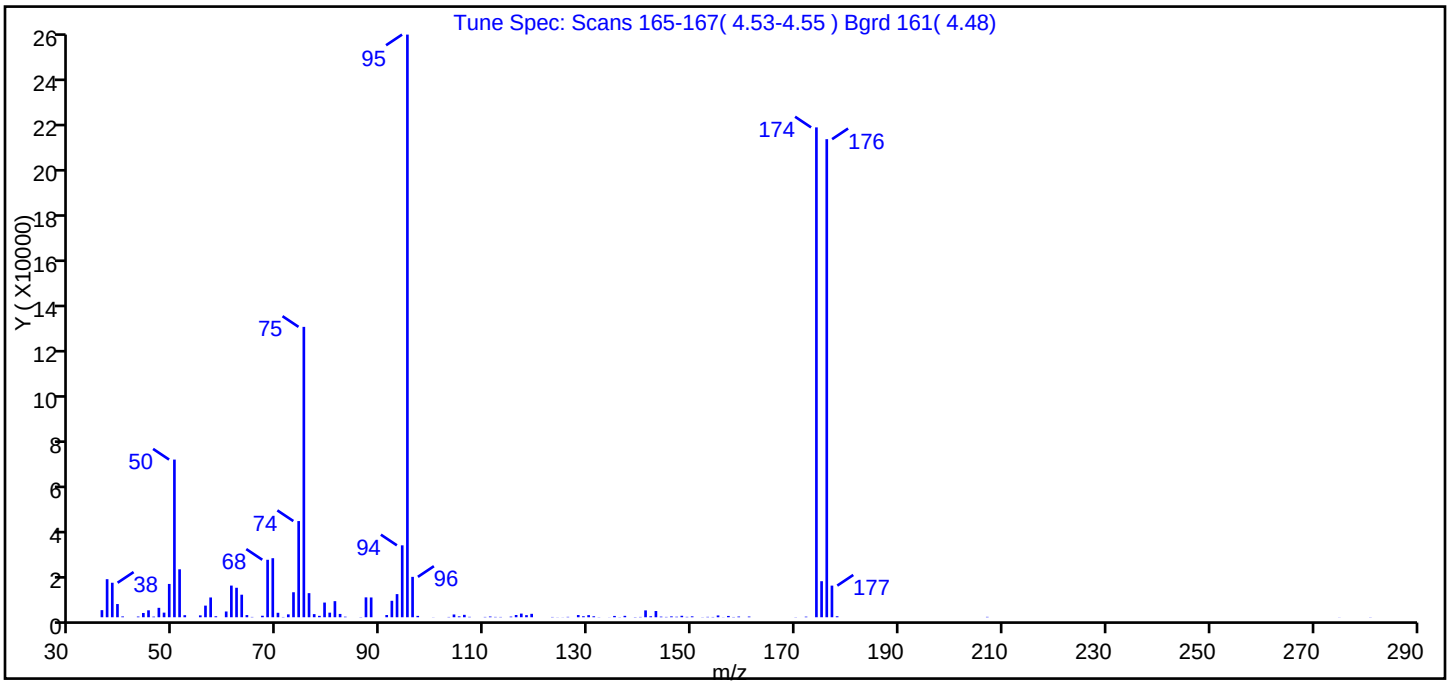
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.537	4.537	0.0	0	597412	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\BFB14279.D		
Injection Date:	13-Nov-2012 16:10:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	64859	Lims Sample ID:	27
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	27.06
75	30.00 - 60.00% of mass 95	49.84
96	5.00 - 9.00% of mass 95	6.93
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	84.07
175	5.00 - 9.00% of mass 174	6.19 (7.36)
176	95.00 - 101.00% of mass 174	82.05 (97.60)
177	5.00 - 9.00% of mass 176	5.43 (6.62)

Report Date: 14-Nov-2012 15:22:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Data File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\BFB14279.D\8260_14.rslt\spectra.d
Injection Date: 13-Nov-2012 16:10:30
Spectrum: Tune Spec: Scans 165-167(4.53-4.55) Bgrd 161(4.48)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3130	70.00	1967	106.00	1065	143.00	2742
37.00	16752	71.00	123	107.00	186	144.00	279
38.00	15189	72.00	1266	110.00	149	145.00	156
39.00	5811	73.00	11001	111.00	326	146.00	385
40.00	362	74.00	42328	112.00	160	147.00	233
43.00	314	75.00	127776	113.00	141	148.00	648
44.00	1881	76.00	10606	115.00	293	149.00	178
45.00	3052	77.00	1379	116.00	991	150.00	398
46.00	283	78.00	621	117.00	1614	152.00	72
47.00	4149	79.00	6464	118.00	929	153.00	179
48.00	2030	80.00	2020	119.00	1513	154.00	131
49.00	14658	81.00	7084	123.00	133	155.00	793
50.00	69384	82.00	1458	124.00	58	156.00	57
51.00	21104	83.00	253	125.00	50	157.00	580
52.00	906	86.00	106	126.00	179	158.00	125
55.00	827	87.00	8752	128.00	973	159.00	321
56.00	5122	88.00	8709	129.00	441	161.00	317
57.00	8708	91.00	978	130.00	931	170.00	77
58.00	434	92.00	7245	131.00	433	172.00	269
60.00	2544	93.00	10184	132.00	75	174.00	215552
61.00	13935	94.00	31648	134.00	50	175.00	15864
62.00	12973	95.00	256384	135.00	579	176.00	210368
63.00	9924	96.00	17776	136.00	73	177.00	13924
64.00	955	97.00	606	137.00	626	178.00	431
65.00	147	100.00	53	139.00	112	207.00	174
67.00	662	103.00	140	140.00	151	275.00	51
68.00	25296	104.00	1223	141.00	3019	281.00	69
69.00	25984	105.00	388	142.00	434		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121115-14986.b\BFB14281.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	15-Nov-2012 10:54:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0014986-001 =240-0014986-001		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	65171	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121115-14986.b\8260_14.m		
Last Update:	16-Nov-2012 09:58:06	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: macenczaks		Date:	15-Nov-2012 11:56:04

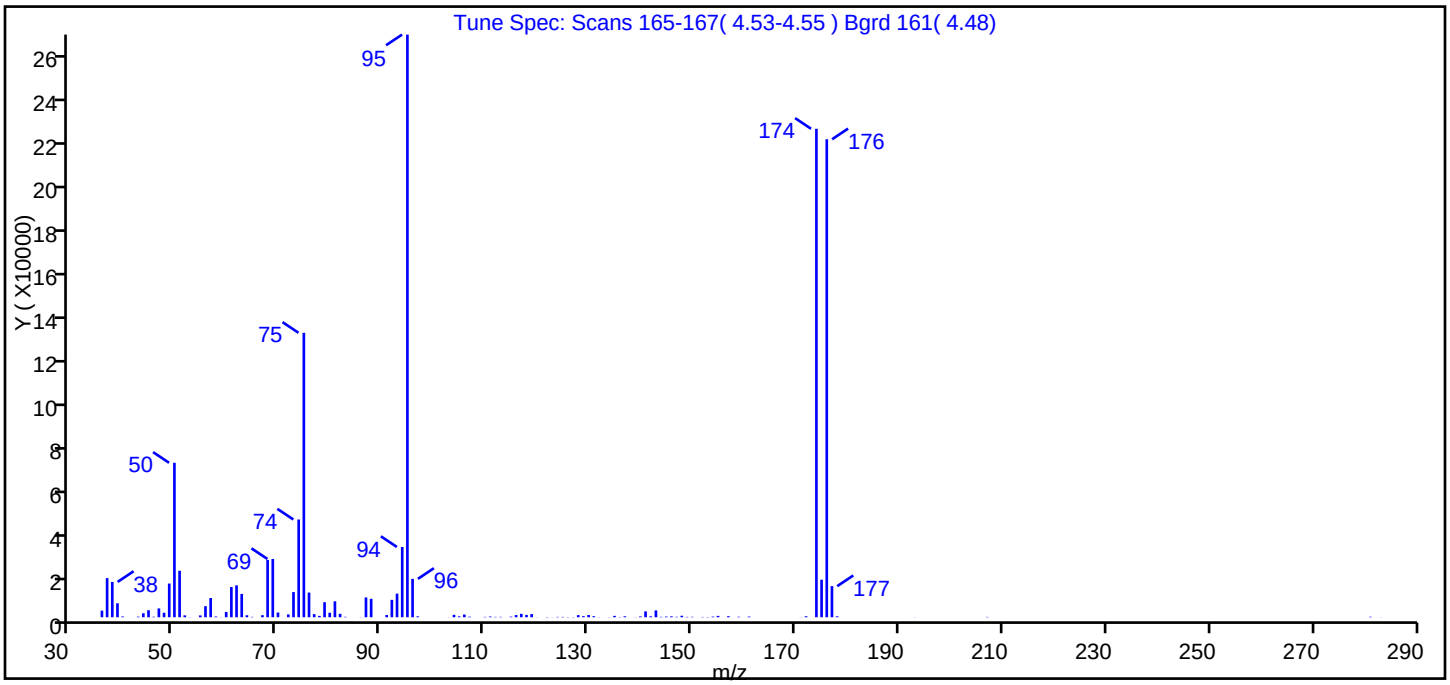
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.537	4.537	0.0	0	616014	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121115-14986.b\BFB14281.D		
Injection Date:	15-Nov-2012 10:54:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	1
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	26.51
75	30.00 - 60.00% of mass 95	48.82
96	5.00 - 9.00% of mass 95	6.59
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	83.83
175	5.00 - 9.00% of mass 174	6.44 (7.69)
176	95.00 - 101.00% of mass 174	82.04 (97.86)
177	5.00 - 9.00% of mass 176	5.34 (6.51)

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\BFB14281.D\8260_14.rslt\spectra.d
Injection Date: 15-Nov-2012 10:54:30
Spectrum: Tune Spec: Scans 165-167(4.53-4.55) Bgrd 161(4.48)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 113

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3036	69.00	26752	110.00	169	143.00	3139
37.00	17984	70.00	2175	111.00	331	144.00	196
38.00	16229	72.00	1308	112.00	169	145.00	310
39.00	6427	73.00	11565	113.00	183	146.00	417
40.00	355	74.00	44896	115.00	279	147.00	215
43.00	287	75.00	130632	116.00	1011	148.00	696
44.00	1841	76.00	11339	117.00	1561	149.00	179
45.00	3237	77.00	1423	118.00	1078	150.00	198
46.00	225	78.00	641	119.00	1461	152.00	136
47.00	4057	79.00	6931	120.00	50	153.00	122
48.00	2070	80.00	2068	122.00	115	154.00	299
49.00	15480	81.00	7333	123.00	50	155.00	636
50.00	70936	82.00	1573	124.00	168	157.00	483
51.00	21368	83.00	203	125.00	178	159.00	240
52.00	872	86.00	72	126.00	104	161.00	319
53.00	63	87.00	9109	127.00	87	171.00	61
55.00	836	88.00	8474	128.00	983	172.00	461
56.00	5096	91.00	1025	129.00	502	174.00	224320
57.00	8826	92.00	7995	130.00	1033	175.00	17240
58.00	342	93.00	10856	131.00	482	176.00	219520
59.00	56	94.00	32280	132.00	70	177.00	14297
60.00	2450	95.00	267584	134.00	70	178.00	422
61.00	13864	96.00	17632	135.00	643	193.00	56
62.00	14644	97.00	414	136.00	103	207.00	158
63.00	10717	103.00	53	137.00	446	281.00	239
64.00	925	104.00	1130	139.00	64	283.00	50
65.00	187	105.00	395	140.00	365		
67.00	953	106.00	1239	141.00	2703		
68.00	26312	107.00	269	142.00	420		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121116-15021.b\BFB14282.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	16-Nov-2012 12:11:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0015021-001 =240-0015021-001		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	65336	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121116-15021.b\8260_14.m		
Last Update:	20-Nov-2012 14:44:33	Calib Date:	13-Nov-2012 22:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK019		
First Level Reviewer: macenczaks		Date:	16-Nov-2012 13:11:41

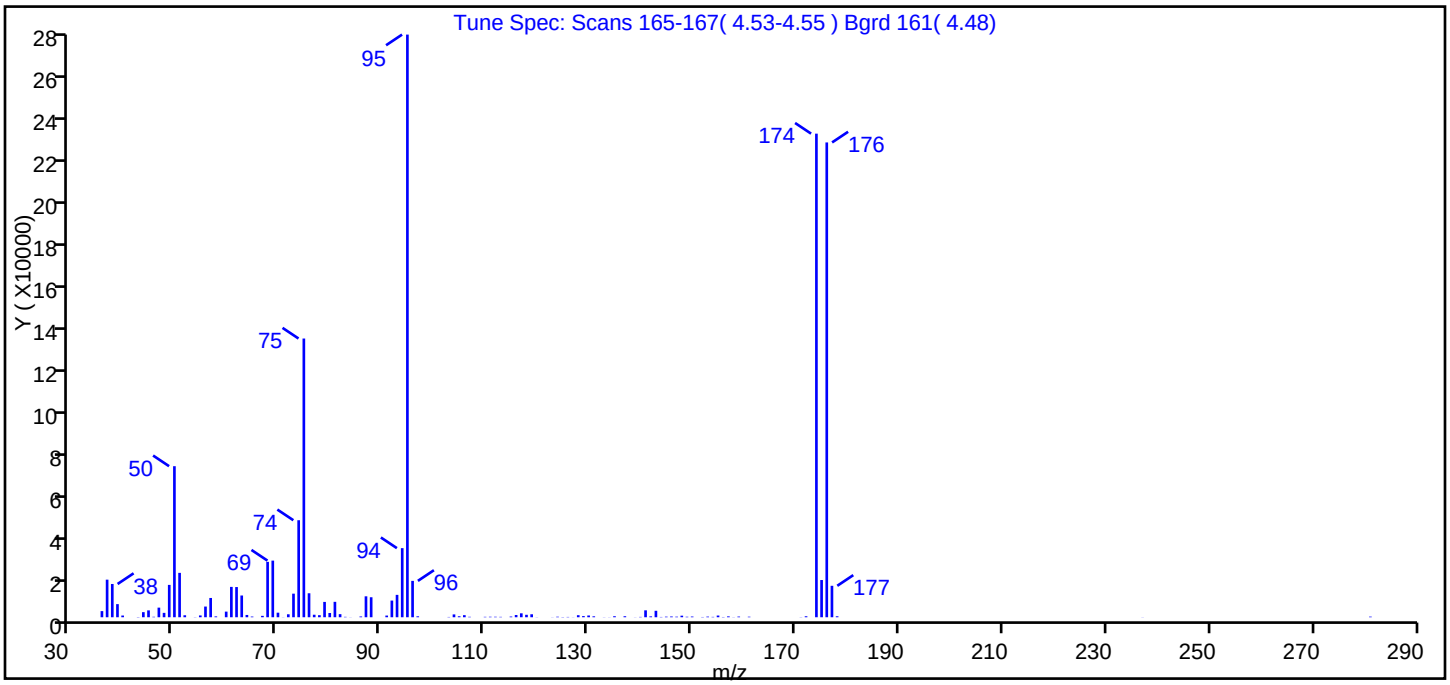
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.538	4.538	0.0	0	629546	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121116-15021.b\BFB14282.D		
Injection Date:	16-Nov-2012 12:11:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	1
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.93
75	30.00 - 60.00% of mass 95	47.84
96	5.00 - 9.00% of mass 95	6.24
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	83.00
175	5.00 - 9.00% of mass 174	6.39 (7.70)
176	95.00 - 101.00% of mass 174	81.49 (98.18)
177	5.00 - 9.00% of mass 176	5.40 (6.63)

Report Date: 20-Nov-2012 14:44:34 Chrom Revision: 2.0 15-Nov-2012 14:43:54

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\BFB14282.D\8260_14.rslt\spectra.d
Injection Date: 16-Nov-2012 12:11:30
Spectrum: Tune Spec: Scans 165-167(4.53-4.55) Bgrd 161(4.48)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2862	69.00	26384	105.00	455	141.00	3225
37.00	17512	70.00	2127	106.00	975	142.00	411
38.00	15498	71.00	57	107.00	211	143.00	3012
39.00	6115	72.00	1383	110.00	203	144.00	142
40.00	803	73.00	10996	111.00	241	145.00	283
43.00	116	74.00	45200	112.00	237	146.00	358
44.00	2374	75.00	129840	113.00	190	147.00	277
45.00	3202	76.00	11176	115.00	334	148.00	733
46.00	219	77.00	1177	116.00	1042	149.00	238
47.00	4480	78.00	965	117.00	1838	150.00	337
48.00	2045	79.00	7147	118.00	1146	152.00	128
49.00	15075	80.00	1981	119.00	1391	153.00	303
50.00	70368	81.00	7187	120.00	58	154.00	175
51.00	20680	82.00	1439	123.00	54	155.00	800
52.00	928	83.00	191	124.00	251	156.00	124
54.00	73	84.00	50	125.00	110	157.00	405
55.00	835	86.00	368	126.00	151	158.00	63
56.00	4986	87.00	9755	127.00	50	159.00	324
57.00	8987	88.00	9319	128.00	955	161.00	263
58.00	401	91.00	790	129.00	541	171.00	72
60.00	2627	92.00	7771	130.00	823	172.00	462
61.00	14146	93.00	10429	131.00	432	174.00	225280
62.00	14070	94.00	32192	133.00	61	175.00	17344
63.00	10134	95.00	271424	134.00	54	176.00	221184
64.00	1070	96.00	16944	135.00	475	177.00	14655
65.00	328	97.00	435	137.00	472	178.00	454
67.00	651	103.00	143	139.00	51	237.00	54
68.00	25808	104.00	1324	140.00	166	281.00	296

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-64831/6

Matrix: Water Lab File ID: UXX0866.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/13/2012 12:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 64831 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	1.37		1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-64831/6

Matrix: Water Lab File ID: UXX0866.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/13/2012 12:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 64831 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-120
2037-26-5	Toluene-d8 (Surr)	101		85-120
460-00-4	4-Bromofluorobenzene (Surr)	94		75-120
1868-53-7	Dibromofluoromethane (Surr)	101		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0866.D
Lims ID: MB Client ID:
Inject. Date: 13-Nov-2012 12:55:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0014902-006
Misc. Info.: P21113A,8260LLUX10,,1904 =P21113A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 64831 Lims Sample ID: 6
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121113-14902.b\8260_10.m
Last Update: 14-Nov-2012 13:08:23 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK020

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.206	5.204	0.002	99	1739044	10.0	
* 2 Chlorobenzene-d5	117	7.880	7.878	0.002	83	1174487	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.128	10.126	0.002	94	575968	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.627	-0.001	63	481503	10.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.922	4.911	0.011	0	572616	10.2	
$ 7 Toluene-d8 (Surr)	98	6.567	6.567	0.0	93	1864742	10.1	
$ 8 4-Bromofluorobenzene (Surr)	95	8.992	8.993	-0.001	92	573008	9.37	
11 C6-C10	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
12 Dichlorodifluoromethane	85		1.562					
13 Chloromethane	50	1.692	1.692	0.0	66	18828	0.2817	
14 Vinyl chloride	62		1.799					
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94		2.083					
17 Chloroethane	64		2.165					
18 Dichlorofluoromethane	67		2.328					
19 Trichlorofluoromethane	101		2.390					
20 Ethyl ether	59		2.601					9
21 Acrolein	56		2.698					9
23 1,1-Dichloroethene	96		2.804					
24 Acetone	43		2.816					
25 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.828					
22 Methylal	45		2.851					9
26 Iodomethane	142		2.935					9
27 Carbon disulfide	76		3.006					9
28 Acetonitrile	41		3.041					
29 3-Chloro-1-propene	76		3.098					
30 Methyl acetate	43		3.100					
31 Methylene Chloride	84	3.194	3.195	-0.001	90	82090	1.37	
32 2-Methyl-2-propanol	59	3.265	3.254	0.011	65	5257	1.50	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
33 Acrylonitrile	53		3.384					
34 trans-1,2-Dichloroethene	96		3.431					
35 Methyl tert-butyl ether	73		3.431					
36 Hexane	86		3.656					
37 1,1-Dichloroethane	63		3.763					
38 Vinyl acetate	86		3.798					
39 Isopropyl ether	87		3.819					
40 2-Chloro-1,3-butadiene	53		3.855					
41 Tert-butyl ethyl ether	59		4.115					
42 2-Butanone (MEK)	43		4.236					
44 2,2-Dichloropropane	77		4.248					
43 cis-1,2-Dichloroethene	96		4.248					
45 Propionitrile	54		4.281					
46 Ethyl acetate	43		4.281					9
47 Methacrylonitrile	41		4.411					9
48 Chlorobromomethane	128		4.437					
49 Tetrahydrofuran	42		4.485					
50 Chloroform	83		4.496					
51 1,1,1-Trichloroethane	97		4.674					
52 Cyclohexane	56		4.745					
53 1,1-Dichloropropene	75		4.804					
54 Carbon tetrachloride	117		4.816					
55 Isobutyl alcohol	41		4.849					
57 Benzene	78		4.982					9
56 1,2-Dichloroethane	62		4.982					
58 Tert-amyl methyl ether	73		5.062					
59 n-Heptane	100		5.192					
60 n-Butanol	56		5.405					
61 Trichloroethene	130		5.514					
62 Ethyl acrylate	55		5.605					
64 1,2-Dichloropropane	63		5.703					
63 Methylcyclohexane	83		5.703					
65 Methyl methacrylate	41		5.772					
66 Dibromomethane	93		5.798					
67 1,4-Dioxane	88	5.821	5.810	0.011	24	3496	17.6	
68 Dichlorobromomethane	83		5.928					
69 2-Nitropropane	41		6.115					
70 2-Chloroethyl vinyl ether	63		6.177					
71 cis-1,3-Dichloropropene	75		6.319					
72 4-Methyl-2-pentanone (MIBK)	43		6.437					9
73 Toluene	91		6.626					9
74 trans-1,3-Dichloropropene	75		6.792					
75 Ethyl methacrylate	69		6.875					
76 1,1,2-Trichloroethane	97		6.969					
77 1,3-Dichloropropane	76		7.123					
78 Tetrachloroethene	164		7.135					
79 2-Hexanone	43		7.182					9
80 n-Butyl acetate	56		7.298					
81 Chlorodibromomethane	129		7.336					
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107		7.455					
84 1-Chlorohexane	91		7.779					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
85 Chlorobenzene	112		7.904					9
86 1,1,1,2-Tetrachloroethane	131		7.975					
87 Ethylbenzene	106		8.011					9
88 m-Xylene & p-Xylene	106		8.117					9
89 o-Xylene	106		8.496					
90 Styrene	104		8.508					9
91 Bromoform	173		8.685					
92 Isopropylbenzene	105		8.851					9
94 Cyclohexanone	55		8.931					9
93 1,4-Dichlorobutane	55		8.931					9
95 1,1,2,2-Tetrachloroethane	83		9.111					
96 Bromobenzene	156		9.147					
97 1,2,3-Trichloropropane	110		9.159					
98 trans-1,4-Dichloro-2-butene	53		9.170					
99 N-Propylbenzene	120		9.241					
100 2-Chlorotoluene	126		9.336					
101 1,3,5-Trimethylbenzene	105		9.407					9
102 4-Chlorotoluene	126		9.431					
103 tert-Butylbenzene	119		9.738					9
104 1,2,4-Trimethylbenzene	105		9.786					9
105 sec-Butylbenzene	105		9.951					9
106 1,3-Dichlorobenzene	146		10.058					9
107 4-Isopropyltoluene	119		10.093					9
108 1,4-Dichlorobenzene	146		10.153					9
109 1,2,3-Trimethylbenzene	105		10.197					9
110 n-Butylbenzene	91		10.496					9
111 1,2-Dichlorobenzene	146		10.519					9
112 1,2-Dibromo-3-Chloropropane	157		11.288					
113 1,3,5-Trichlorobenzene	180		11.513					9
114 1,2,4-Trichlorobenzene	180		12.129					9
115 Hexachlorobutadiene	225		12.306					
116 Naphthalene	128	12.365	12.377	-0.012	80	29351	0.1971	
117 1,2,3-Trichlorobenzene	180	12.625	12.626	-0.001	42	12790	0.2424	
118 2-Methylnaphthalene	142	13.678	13.676	0.002	68	18376	0.2314	
S 119 Trihalomethanes, Total	1		0.000					7
S 120 1,2-Dichloroethene, Total	96		1.140					7
S 121 1,3-Dichloropropene, Total	75		6.760					7
S 122 Xylenes, Total	106		16.530					7
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

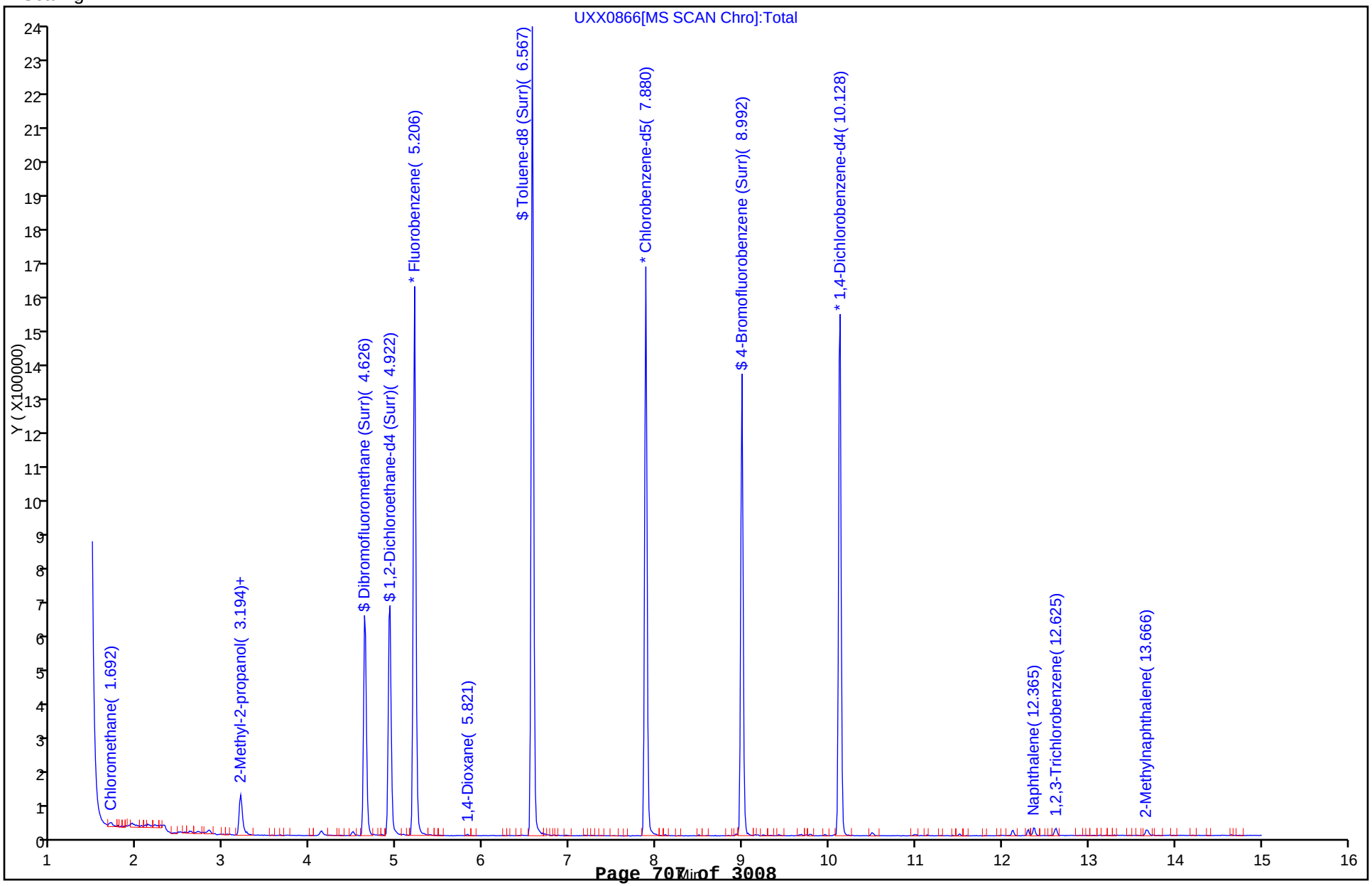
Report Date: 15-Nov-2012 13:50:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0866.D

Injection Date:	13-Nov-2012 12:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64831	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



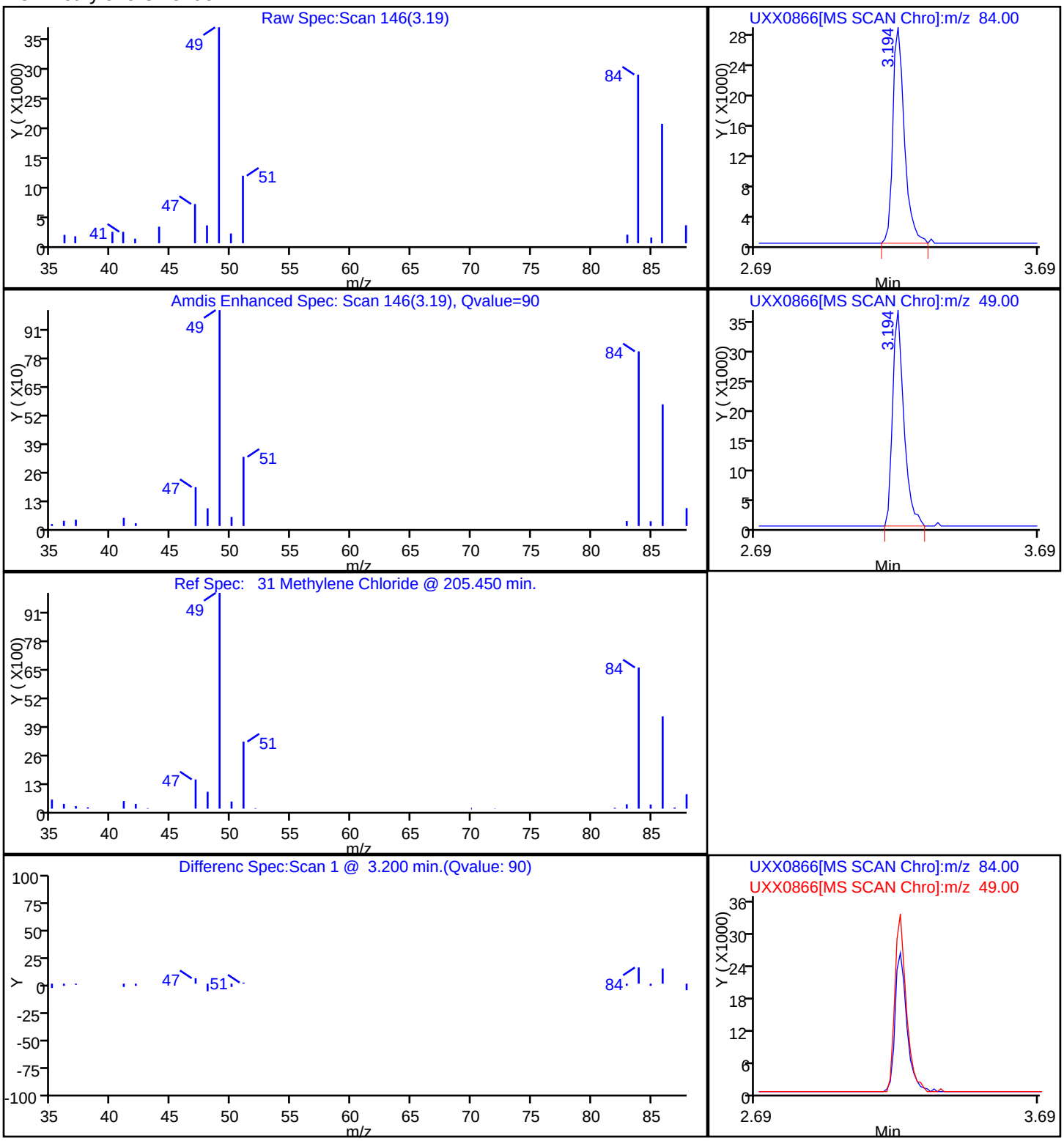
Report Date: 15-Nov-2012 13:50:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0866.D

Injection Date:	13-Nov-2012 12:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64831	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

31 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65171/8

Matrix: Solid | Lab File ID: 149176.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/15/2012 13:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65171 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	5.0	0.50	0.34
79-00-5	1,1,2-Trichloroethane	0.50	U	5.0	0.50	0.39
75-34-3	1,1-Dichloroethane	0.50	U	5.0	0.50	0.36
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	0.52
107-06-2	1,2-Dichloroethane	0.50	U	5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	1.0	U	10	1.0	0.77
78-87-5	1,2-Dichloropropane	1.0	U	5.0	1.0	0.69
78-93-3	2-Butanone (MEK)	2.0	U	20	2.0	1.4
591-78-6	2-Hexanone	1.0	U	20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	0.598	J	20	1.0	0.54
67-64-1	Acetone	6.41	J	20	6.3	6.3
71-43-2	Benzene	0.50	U	5.0	0.50	0.23
75-25-2	Bromoform	0.50	U	5.0	0.50	0.33
74-83-9	Bromomethane	1.0	U	5.0	1.0	0.54
75-15-0	Carbon disulfide	0.50	U	5.0	0.50	0.44
56-23-5	Carbon tetrachloride	0.50	U	5.0	0.50	0.37
108-90-7	Chlorobenzene	0.50	U	5.0	0.50	0.33
75-27-4	Bromodichloromethane	0.50	U	5.0	0.50	0.28
74-87-3	Chloromethane	0.50	U	5.0	0.50	0.41
10061-01-5	cis-1,3-Dichloropropene	0.50	U	5.0	0.50	0.34
124-48-1	Dibromochloromethane	1.0	U	5.0	1.0	0.55
100-41-4	Ethylbenzene	0.50	U	5.0	0.50	0.26
1634-04-4	Methyl tert-butyl ether	0.50	U	5.0	0.50	0.43
75-09-2	Methylene Chloride	1.0	U	5.0	1.0	0.67
100-42-5	Styrene	0.151	J	5.0	0.50	0.15
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.52
108-88-3	Toluene	0.50	U	5.0	0.50	0.27
67-66-3	Chloroform	0.50	U	5.0	0.50	0.29
74-97-5	Bromochloromethane	1.0	U	5.0	1.0	0.71
106-93-4	1,2-Dibromoethane	1.0	U	5.0	1.0	0.50
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.54
79-01-6	Trichloroethene	0.50	U	5.0	0.50	0.42
75-01-4	Vinyl chloride	0.50	U	5.0	0.50	0.39
75-00-3	Chloroethane	1.0	U	5.0	1.0	0.86
1330-20-7	Xylenes, Total	1.5	U	10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-65171/8

Matrix: Solid Lab File ID: 149176.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/15/2012 13:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65171 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		61-130
2037-26-5	Toluene-d8 (Surr)	93		85-115
460-00-4	4-Bromofluorobenzene (Surr)	97		85-120
1868-53-7	Dibromofluoromethane (Surr)	83		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149176.D
Lims ID: MB Client ID:
Inject. Date: 15-Nov-2012 13:25:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: mb
Misc. Info.: 240-0014986-008 =240-0014986-008
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 65171 Lims Sample ID: 8
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121115-14986.b\8260_14.m
Last Update: 16-Nov-2012 09:58:08 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: macenczaks Date: 15-Nov-2012 13:43:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1456000	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.594	0.0	98	834335	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.570	0.001	98	466314	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	66	317981	41.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.541	0.001	93	396005	47.6	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	95	1167940	46.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	87	373181	48.3	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85		1.442					9
13 Chloromethane	50		1.607					9
14 Vinyl chloride	62		1.737					
15 Bromomethane	94		2.069					
16 Chloroethane	64		2.187					3
17 Dichlorofluoromethane	67		2.447					
18 Trichlorofluoromethane	101		2.507					
19 Ethyl ether	59	2.873	2.873	0.0	94	4974	0.6928	
25 Methylal	45	2.873	2.932	-0.059	65	8340	0	
20 Acrolein	56		3.027					9
21 1,1-Dichloroethene	96		3.146					9
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.181					
22 Acetone	43	3.252	3.252	0.0	95	26599	6.41	
24 Iodomethane	142		3.347					
26 Carbon disulfide	76		3.418					9
27 Acetonitrile	41		3.666					
29 3-Chloro-1-propene	76		3.690					
28 Methyl acetate	43		3.761					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methylene Chloride	84		3.879					
31 2-Methyl-2-propanol	59		4.187					
32 Acrylonitrile	53	4.305	4.305	0.0	83	1717	0.6098	
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					9
35 Hexane	86	4.731	4.743	-0.012	94	1241	0.5609	
36 1,1-Dichloroethane	63		4.921					
39 2-Chloro-1,3-butadiene	53		5.039					
37 Vinyl acetate	86		5.039					
38 Isopropyl ether	87		5.074					
40 Tert-butyl ethyl ether	59		5.524					9
61 Ethyl acrylate	55		5.605					
43 2,2-Dichloropropane	77		5.642					9
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.701	5.701	0.0	27	5836	0.5361	
44 Propionitrile	54		5.760					
45 Ethyl acetate	43		5.796					
46 Methacrylonitrile	41		5.926					9
47 Chlorobromomethane	128		5.926					
48 Tetrahydrofuran	42		5.985					
49 Chloroform	83		6.033					9
50 1,1,1-Trichloroethane	97		6.210					
51 Cyclohexane	56		6.258					
53 Carbon tetrachloride	117		6.388					9
52 1,1-Dichloropropene	75		6.388					9
54 Isobutyl alcohol	41		6.589					
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62		6.624					
57 Tert-amyl methyl ether	73		6.743					
58 n-Heptane	100		6.896					
59 n-Butanol	56	7.228	7.228	0.0	86	5103	21.2	
60 Trichloroethene	130		7.240					
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83		7.417					9
62 1,2-Dichloropropane	63		7.453					
65 Dibromomethane	93		7.559					
64 Methyl methacrylate	41		7.571					
66 1,4-Dioxane	88		7.583					
67 Dichlorobromomethane	83		7.713					
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63		7.997					
70 cis-1,3-Dichloropropene	75		8.115					9
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	54	3079	0.5983	
72 Toluene	91	8.411	8.411	0.0	52	3148	0.1073	
73 trans-1,3-Dichloropropene	75		8.601					9
74 Ethyl methacrylate	69		8.683					9
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.885					9
76 1,3-Dichloropropane	76		8.908					9
78 2-Hexanone	43		8.979					9
132 n-Butyl acetate	43	9.086	9.085	0.001	0	7650	0	
79 Chlorodibromomethane	129		9.109					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
123 Ethylene Dibromide	107	9.204	9.204	0.0	39	601	0.1549	
81 1-Chlorohexane	91	9.595	9.594	0.0	14	1595	0	
82 Chlorobenzene	112		9.618					9
83 1,1,1,2-Tetrachloroethane	131		9.689					
84 Ethylbenzene	106	9.713	9.713	0.0	17	787	0.0758	7
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	70	1972	0.1550	
85 o-Xylene	106		10.151					
86 Styrene	104	10.162	10.162	0.0	63	2627	0.1512	
87 Bromoform	173		10.328					
88 Isopropylbenzene	105		10.458					9
89 Cyclohexanone	55	10.541	10.541	0.0	28	3158	2.64	
90 1,1,2,2-Tetrachloroethane	83		10.707					9
91 Bromobenzene	156		10.719					9
92 1,2,3-Trichloropropane	110		10.742					
93 trans-1,4-Dichloro-2-butene	53		10.754					9
94 N-Propylbenzene	120		10.801					
95 2-Chlorotoluene	126	10.872	10.884	-0.012	18	543	0.0654	7
96 1,3,5-Trimethylbenzene	105		10.943					9
104 4-Chlorotoluene	126	10.979	10.967	0.012	51	1426	0.1792	
97 tert-Butylbenzene	119		11.227					9
98 1,2,4-Trimethylbenzene	105		11.263					9
99 sec-Butylbenzene	105		11.417					9
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	2	3586	0.2185	
101 4-Isopropyltoluene	119		11.535					9
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	35	4288	0.2521	
103 1,2,3-Trimethylbenzene	105		11.630					
105 n-Butylbenzene	91	11.866	11.878	-0.012	72	3014	0.1092	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	63	3483	0.2196	
107 1,2-Dibromo-3-Chloropropane	157		12.553					
108 1,3,5-Trichlorobenzene	180		12.730					9
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	62	3885	0.3469	
110 Hexachlorobutadiene	225		13.369					9
111 Naphthalene	128	13.428	13.440	-0.012	88	12281	0.6392	
112 1,2,3-Trichlorobenzene	180	13.630	13.630	0.0	73	4291	0.4607	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	20	2928	0.2646	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	1399572	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	1778799	0	
S 137 Trihalomethanes, Total	1		0.000					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106				0		0.1550	

QC Flag Legend

Processing Flags
3 - Failed RT Window Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

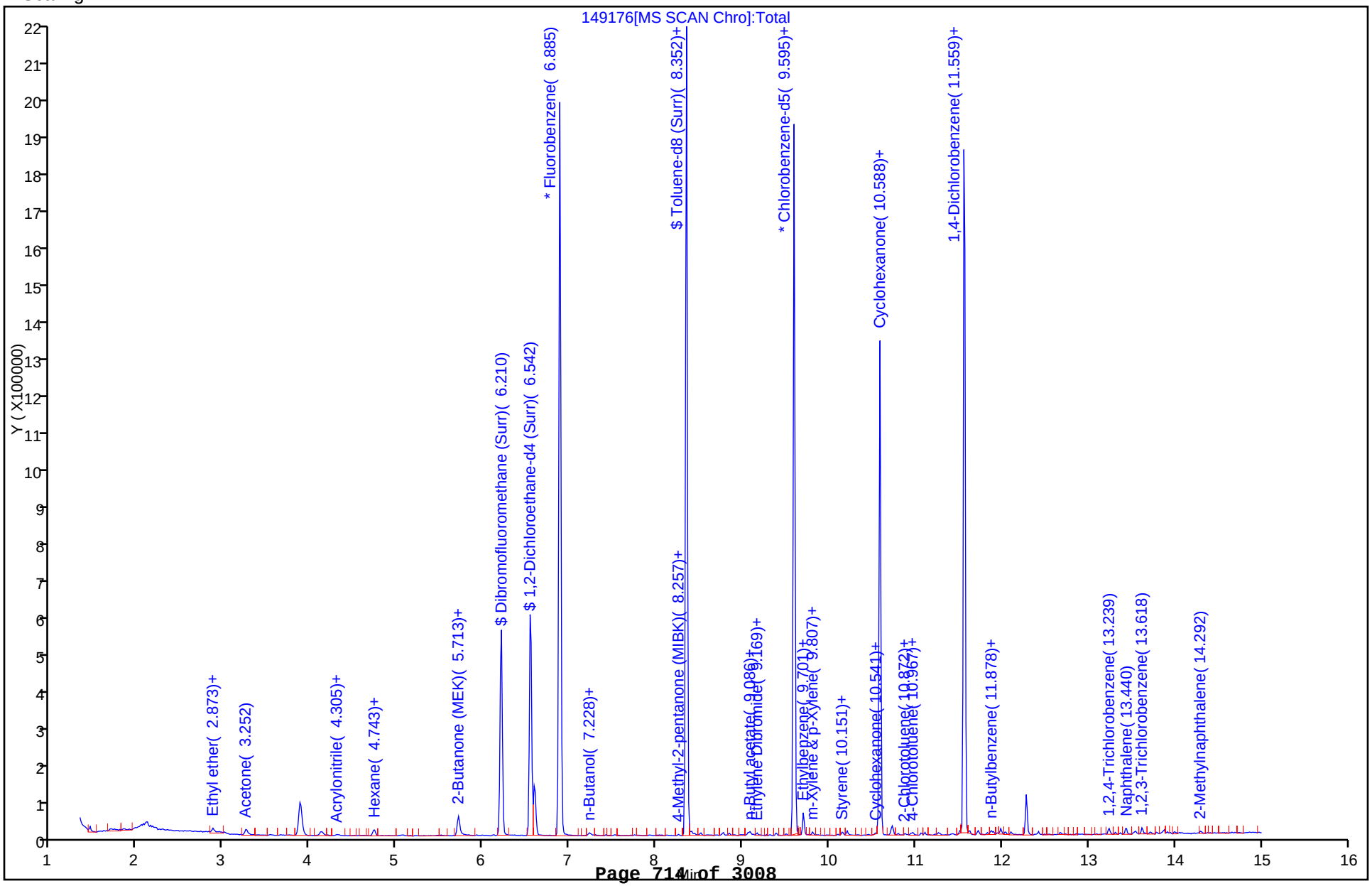
Report Date: 16-Nov-2012 09:58:12 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149176.D

Injection Date:	15-Nov-2012 13:25:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



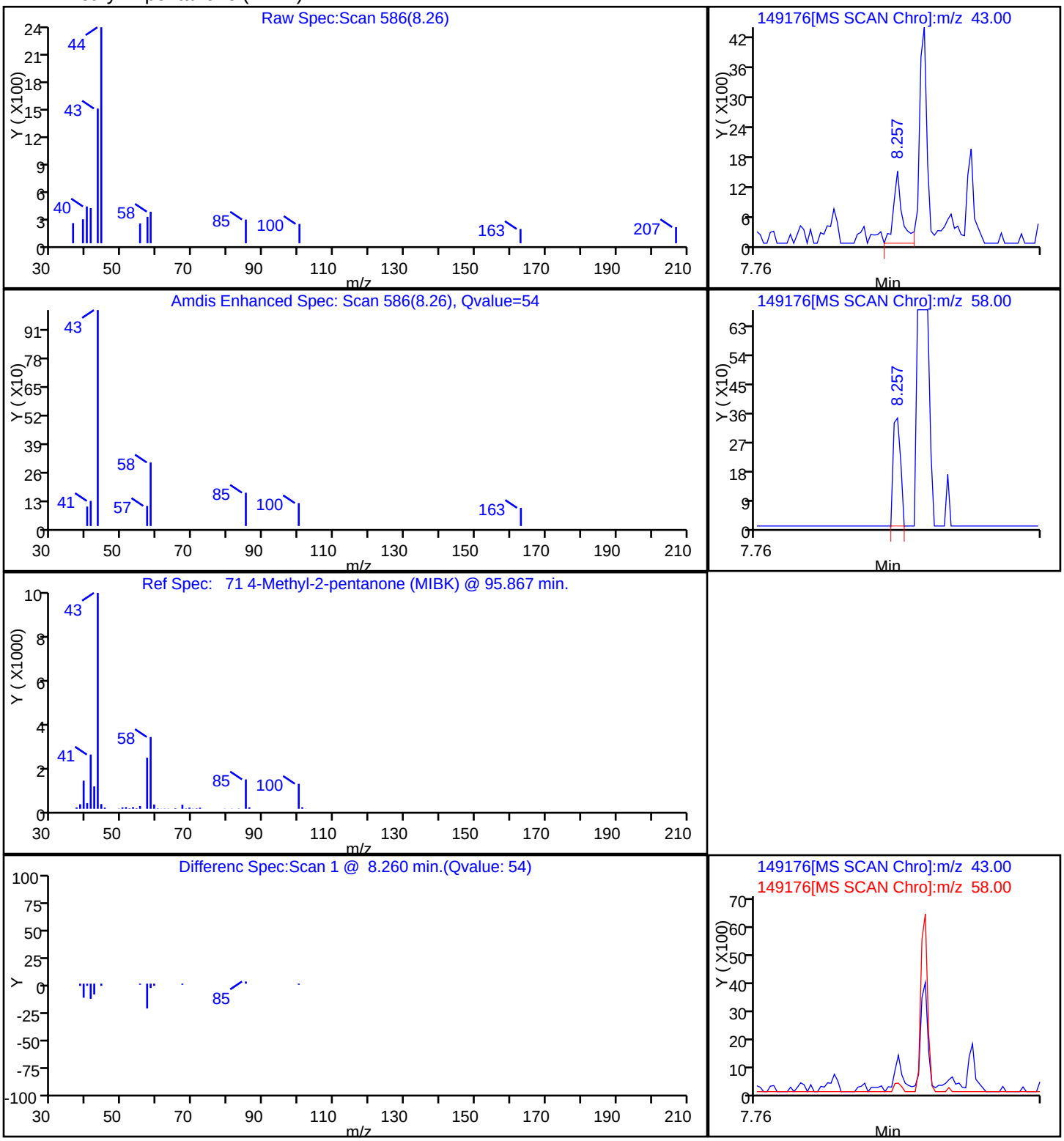
Report Date: 16-Nov-2012 09:58:12 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149176.D

Injection Date:	15-Nov-2012 13:25:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

71 4-Methyl-2-pentanone (MIBK)



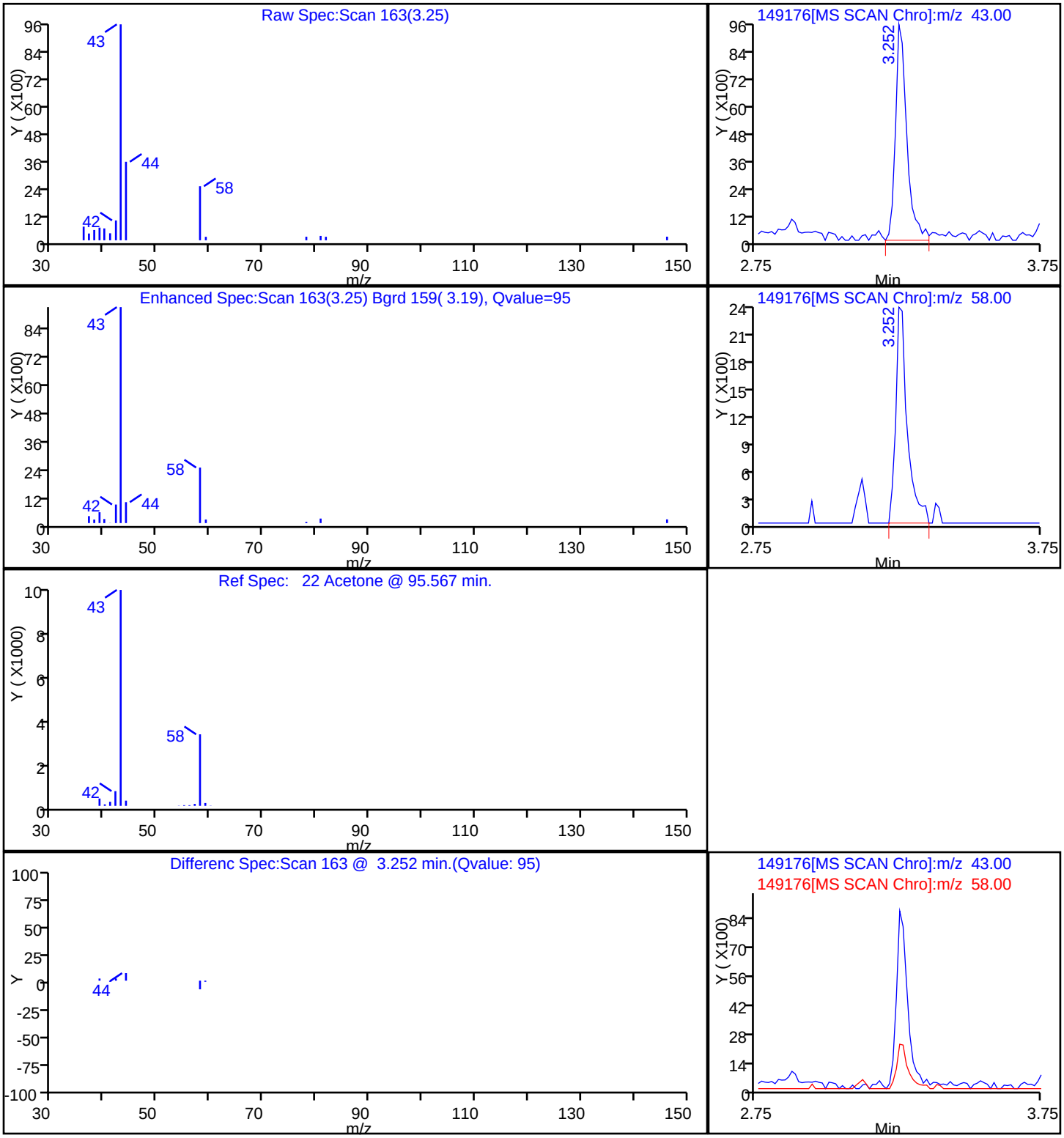
Report Date: 16-Nov-2012 09:58:12 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149176.D

Injection Date:	15-Nov-2012 13:25:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



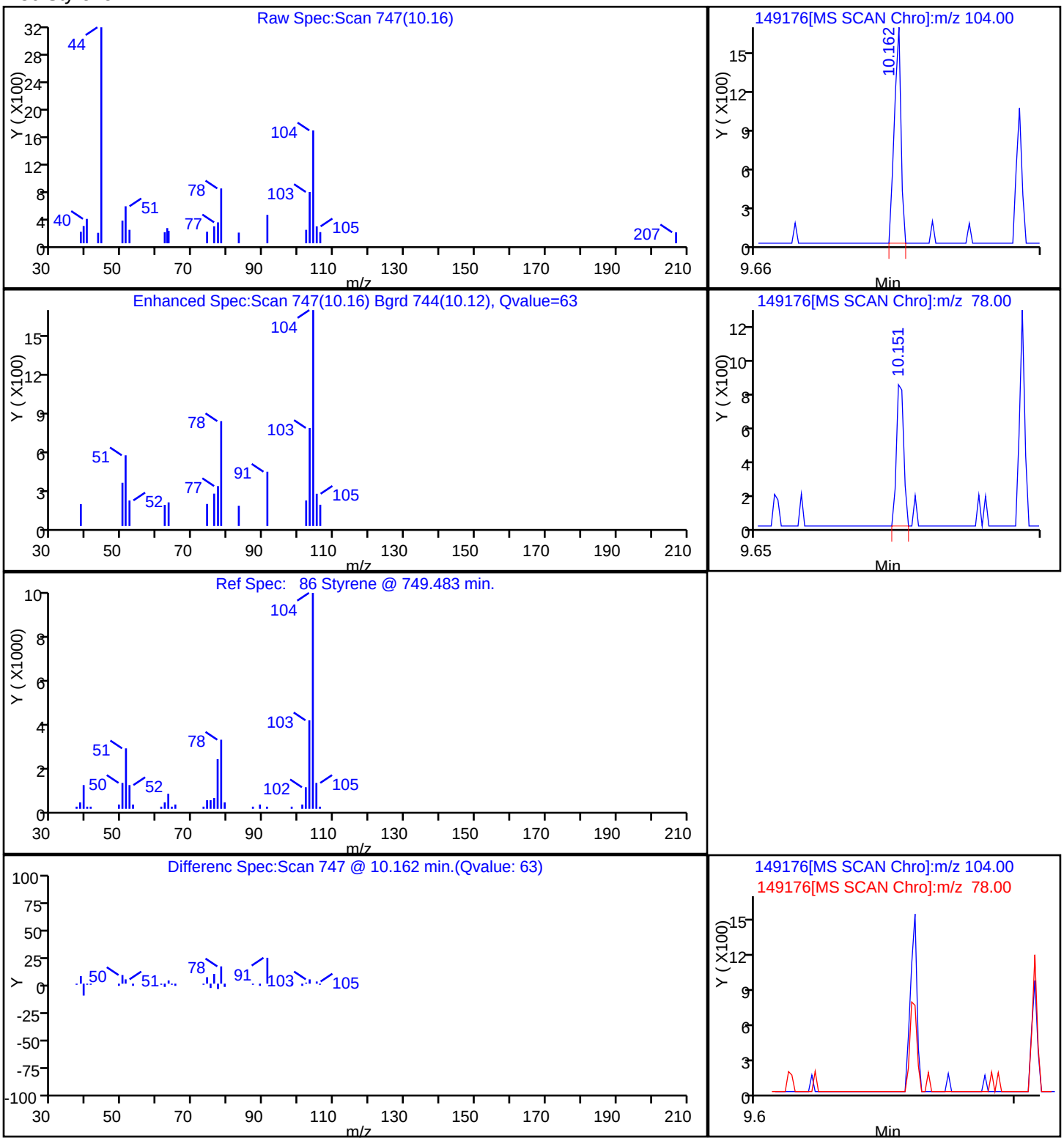
Report Date: 16-Nov-2012 09:58:12 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149176.D

Injection Date:	15-Nov-2012 13:25:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

86 Styrene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65336/8

Matrix: Solid | Lab File ID: 149209.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/16/2012 14:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65336 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	5.0	0.50	0.34
79-00-5	1,1,2-Trichloroethane	0.50	U	5.0	0.50	0.39
75-34-3	1,1-Dichloroethane	0.50	U	5.0	0.50	0.36
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	0.52
107-06-2	1,2-Dichloroethane	0.50	U	5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	1.0	U	10	1.0	0.77
78-87-5	1,2-Dichloropropane	1.0	U	5.0	1.0	0.69
78-93-3	2-Butanone (MEK)	2.0	U	20	2.0	1.4
591-78-6	2-Hexanone	0.776	J	20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	20	1.0	0.54
67-64-1	Acetone	12.8	J	20	6.3	6.3
71-43-2	Benzene	0.50	U	5.0	0.50	0.23
75-25-2	Bromoform	0.50	U	5.0	0.50	0.33
74-83-9	Bromomethane	1.0	U	5.0	1.0	0.54
75-15-0	Carbon disulfide	0.50	U	5.0	0.50	0.44
56-23-5	Carbon tetrachloride	0.50	U	5.0	0.50	0.37
108-90-7	Chlorobenzene	0.50	U	5.0	0.50	0.33
75-27-4	Bromodichloromethane	0.50	U	5.0	0.50	0.28
74-87-3	Chloromethane	0.50	U	5.0	0.50	0.41
10061-01-5	cis-1,3-Dichloropropene	0.50	U	5.0	0.50	0.34
124-48-1	Dibromochloromethane	1.0	U	5.0	1.0	0.55
100-41-4	Ethylbenzene	0.50	U	5.0	0.50	0.26
1634-04-4	Methyl tert-butyl ether	0.50	U	5.0	0.50	0.43
75-09-2	Methylene Chloride	2.64	J	5.0	1.0	0.67
100-42-5	Styrene	0.171	J	5.0	0.50	0.15
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.52
108-88-3	Toluene	0.50	U	5.0	0.50	0.27
67-66-3	Chloroform	0.50	U	5.0	0.50	0.29
74-97-5	Bromochloromethane	1.0	U	5.0	1.0	0.71
106-93-4	1,2-Dibromoethane	1.0	U	5.0	1.0	0.50
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.54
79-01-6	Trichloroethene	0.50	U	5.0	0.50	0.42
75-01-4	Vinyl chloride	0.50	U	5.0	0.50	0.39
75-00-3	Chloroethane	1.0	U	5.0	1.0	0.86
1330-20-7	Xylenes, Total	1.5	U	10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-65336/8

Matrix: Solid Lab File ID: 149209.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/16/2012 14:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65336 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		61-130
2037-26-5	Toluene-d8 (Surr)	95		85-115
460-00-4	4-Bromofluorobenzene (Surr)	97		85-120
1868-53-7	Dibromofluoromethane (Surr)	83		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149209.D
Lims ID: MB Client ID:
Inject. Date: 16-Nov-2012 14:41:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: mb
Misc. Info.: 240-0015021-008 =240-0015021-008
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 65336 Lims Sample ID: 8
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121116-15021.b\8260_14.m
Last Update: 20-Nov-2012 14:44:36 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: macenczaks Date: 16-Nov-2012 15:00:38

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1696098	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	96	942279	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	99	511340	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	73	371317	41.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.553	-0.012	93	457858	47.2	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1346579	47.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	410086	48.4	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
133 Benzyl chloride	126		0.000					
138 Butyl Methacrylate TIC	1		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85		1.441					9
13 Chloromethane	50		1.607					9
14 Vinyl chloride	62		1.737					
15 Bromomethane	94		2.069					
16 Chloroethane	64		2.187					
17 Dichlorofluoromethane	67		2.447					
18 Trichlorofluoromethane	101		2.506					
19 Ethyl ether	59	2.873	2.873	0.0	86	5305	0.6343	
25 Methylal	45	2.873	2.932	-0.059	80	9074	0	
20 Acrolein	56		3.039					9
21 1,1-Dichloroethene	96		3.157					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.193					
22 Acetone	43	3.264	3.252	0.012	96	46246	12.8	
24 Iodomethane	142		3.347					9
26 Carbon disulfide	76		3.418					9
27 Acetonitrile	41	3.666	3.666	0.0	87	3204	3.03	
29 3-Chloro-1-propene	76		3.690					
28 Methyl acetate	43		3.761					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methylene Chloride	84	3.891	3.891	0.0	88	85759	2.64	
31 2-Methyl-2-propanol	59		4.199					
32 Acrylonitrile	53	4.317	4.305	0.012	66	1702	0.5189	
33 trans-1,2-Dichloroethene	96		4.317					9
34 Methyl tert-butyl ether	73		4.352					9
35 Hexane	86	4.743	4.743	0.0	94	2260	0.8768	
36 1,1-Dichloroethane	63		4.920					9
39 2-Chloro-1,3-butadiene	53		5.039					9
37 Vinyl acetate	86		5.039					
38 Isopropyl ether	87		5.074					
40 Tert-butyl ethyl ether	59		5.524					9
61 Ethyl acrylate	55		5.605					9
43 2,2-Dichloropropane	77		5.642					9
42 cis-1,2-Dichloroethene	96		5.654					9
41 2-Butanone (MEK)	43		5.701					
44 Propionitrile	54		5.760					
45 Ethyl acetate	43		5.796					9
47 Chlorobromomethane	128		5.926					9
46 Methacrylonitrile	41		5.938					9
48 Tetrahydrofuran	42	5.985	5.985	0.0	68	1157	0.1082	
49 Chloroform	83		6.033					
50 1,1,1-Trichloroethane	97		6.210					
51 Cyclohexane	56		6.269					9
52 1,1-Dichloropropene	75		6.388					
53 Carbon tetrachloride	117		6.388					
54 Isobutyl alcohol	41		6.589					
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62		6.624					
57 Tert-amyl methyl ether	73		6.743					
58 n-Heptane	100		6.896					
59 n-Butanol	56		7.228					
60 Trichloroethene	130		7.240					9
80 Tetrahydrothiophene	60		7.255					
63 Methylcyclohexane	83		7.417					9
62 1,2-Dichloropropane	63		7.453					9
65 Dibromomethane	93		7.559					
64 Methyl methacrylate	41		7.583					9
66 1,4-Dioxane	88		7.583					
67 Dichlorobromomethane	83		7.713					
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63		7.997					
70 cis-1,3-Dichloropropene	75		8.115					9
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	80	2488	0.4281	
72 Toluene	91	8.411	8.411	0.0	67	3889	0.1174	
73 trans-1,3-Dichloropropene	75		8.600					9
74 Ethyl methacrylate	69		8.683					9
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.884					9
76 1,3-Dichloropropane	76		8.908					9
78 2-Hexanone	43	8.979	8.979	0.0	64	2347	0.7758	
132 n-Butyl acetate	43		9.085					1
79 Chlorodibromomethane	129		9.109					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
123 Ethylene Dibromide	107	9.204	9.204	0.0	38	667	0.1522	
81 1-Chlorohexane	91		9.594					9
82 Chlorobenzene	112		9.618					9
83 1,1,1,2-Tetrachloroethane	131		9.689					
84 Ethylbenzene	106	9.713	9.713	0.0	55	927	0.0791	7
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	94	2286	0.1591	
85 o-Xylene	106	10.150	10.150	0.0	42	1766	0.1152	
86 Styrene	104	10.162	10.162	0.0	69	3352	0.1708	
87 Bromoform	173		10.316					
88 Isopropylbenzene	105		10.458					9
89 Cyclohexanone	55	10.541	10.541	0.0	19	2092	1.55	
90 1,1,2,2-Tetrachloroethane	83		10.707					9
91 Bromobenzene	156	10.718	10.718	0.0	69	1464	0.1765	
92 1,2,3-Trichloropropane	110		10.742					
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	15	979	0.5658	
94 N-Propylbenzene	120		10.801					
95 2-Chlorotoluene	126	10.884	10.884	0.0	36	1003	0.1102	
96 1,3,5-Trimethylbenzene	105		10.943					9
104 4-Chlorotoluene	126	10.967	10.967	0.0	68	1573	0.1803	
97 tert-Butylbenzene	119		11.227					9
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	59	4369	0.1391	
99 sec-Butylbenzene	105		11.417					9
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	55	3921	0.2179	
101 4-Isopropyltoluene	119		11.535					9
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	5	5668	0.3038	
103 1,2,3-Trimethylbenzene	105	11.630	11.618	0.012	53	3562	0.1163	
105 n-Butylbenzene	91	11.878	11.878	0.0	74	4086	0.1350	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	65	3402	0.1956	
107 1,2-Dibromo-3-Chloropropane	157		12.553					
108 1,3,5-Trichlorobenzene	180		12.730					9
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	68	4566	0.3718	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	10	733	0.1093	
111 Naphthalene	128	13.440	13.440	0.0	84	13040	0.6189	
112 1,2,3-Trichlorobenzene	180	13.618	13.629	-0.011	70	5091	0.4984	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	21	2552	0.2103	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	1674415	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	2195983	0	
S 137 Trihalomethanes, Total	1		0.000					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106				0		0.2742	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

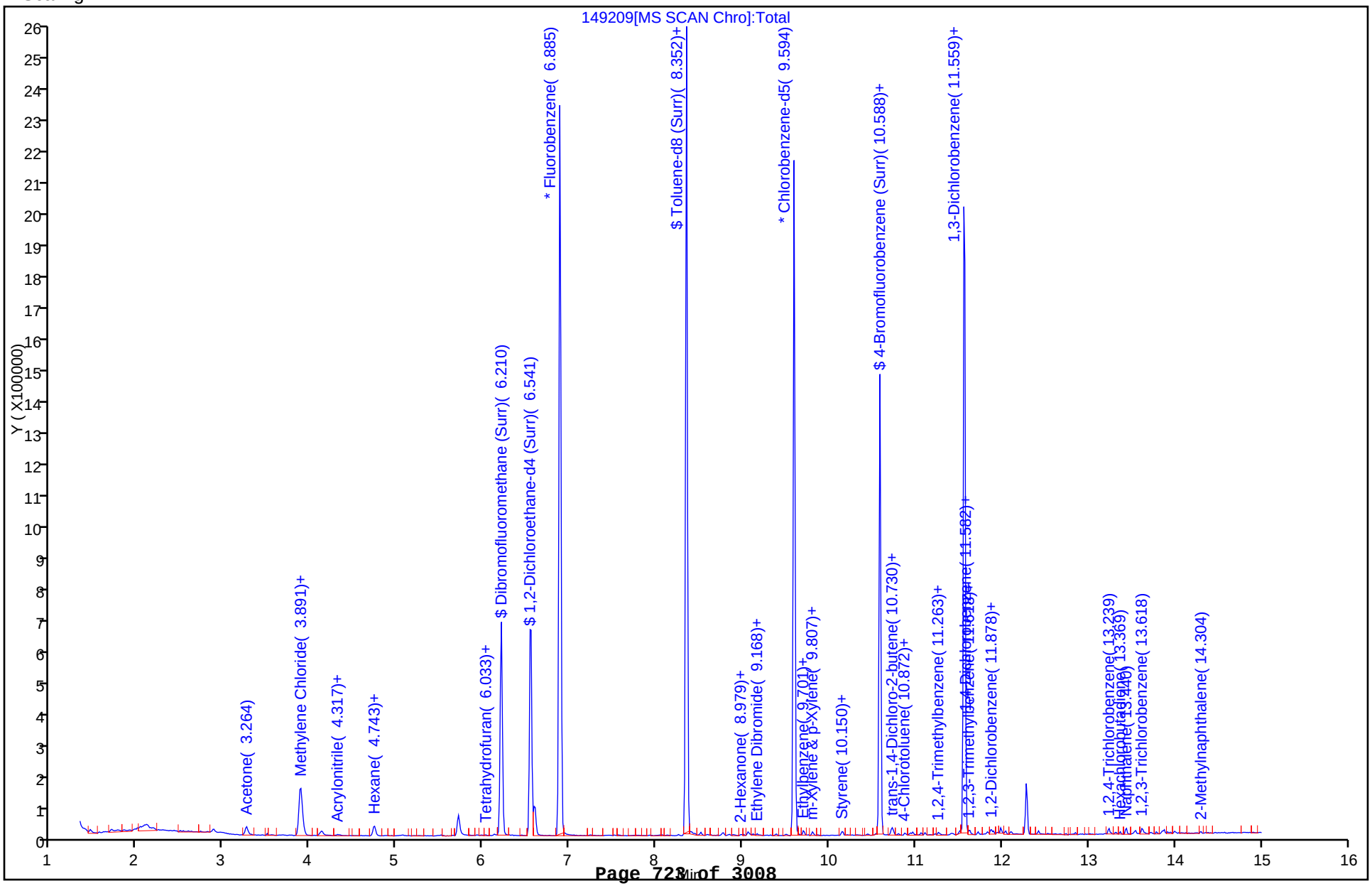
Report Date: 20-Nov-2012 14:44:48 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149209.D

Injection Date:	16-Nov-2012 14:41:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



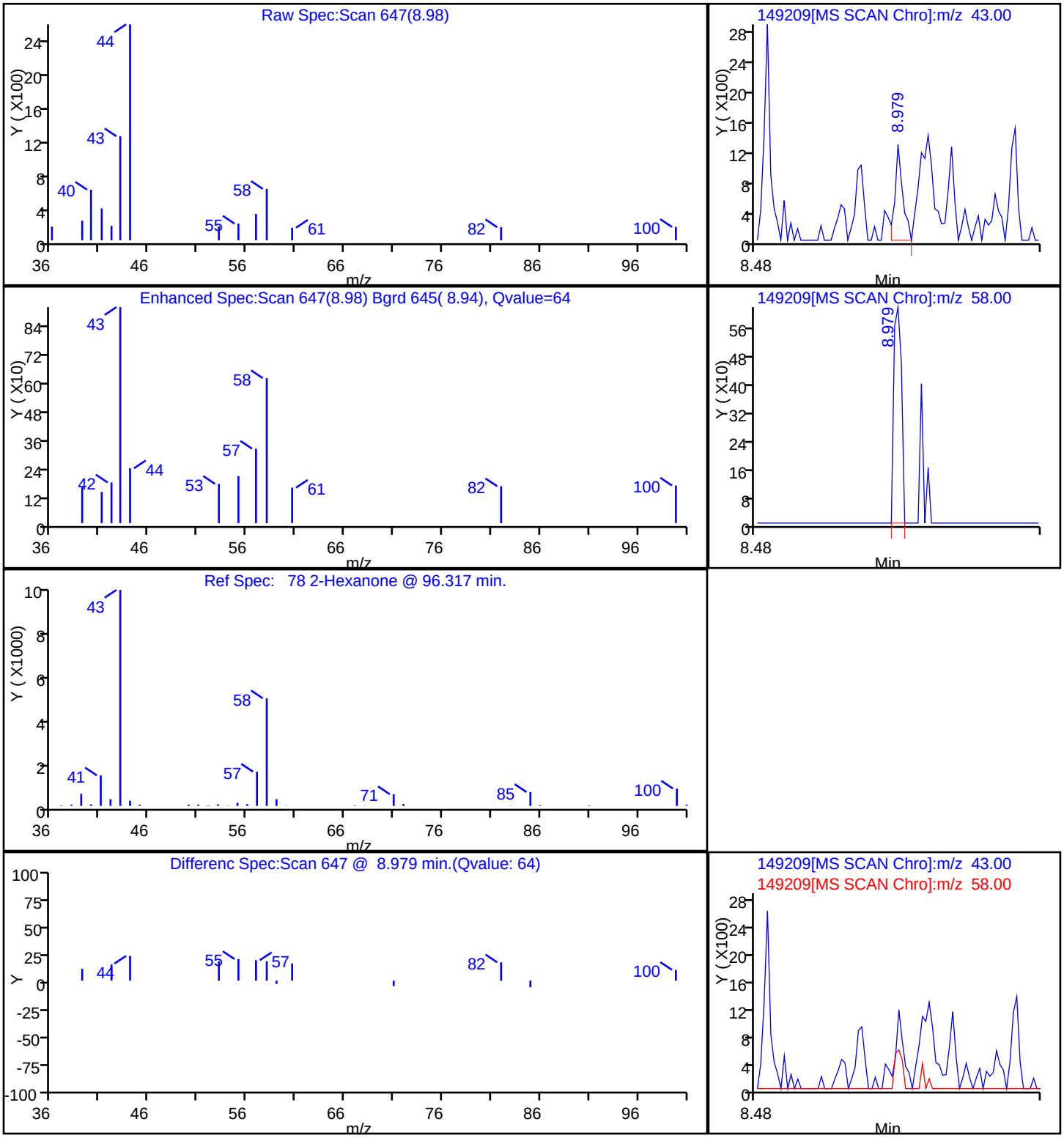
Report Date: 20-Nov-2012 14:44:49 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149209.D

Injection Date:	16-Nov-2012 14:41:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

78 2-Hexanone



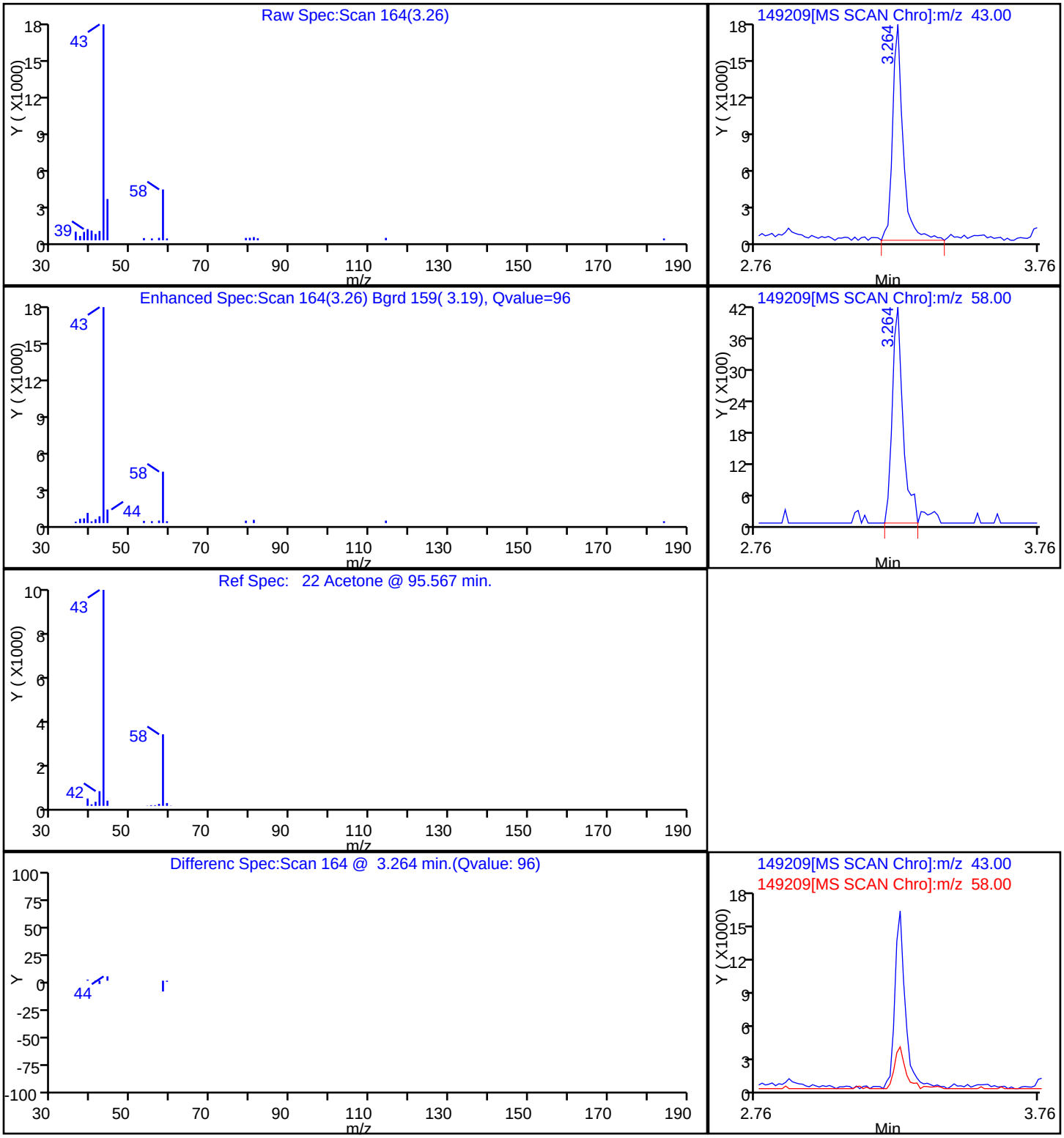
Report Date: 20-Nov-2012 14:44:48 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149209.D

Injection Date:	16-Nov-2012 14:41:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



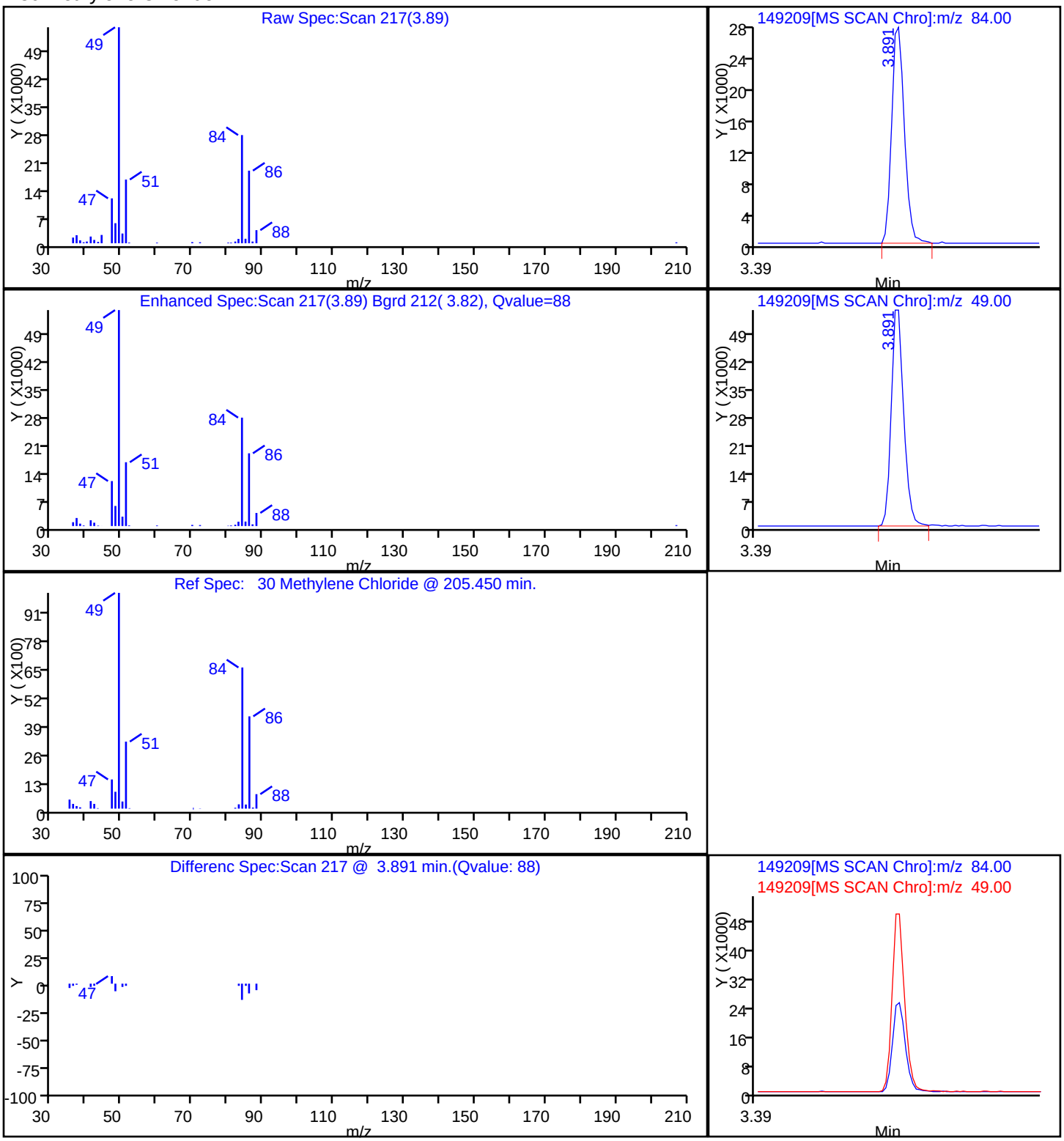
Report Date: 20-Nov-2012 14:44:48 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149209.D

Injection Date:	16-Nov-2012 14:41:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



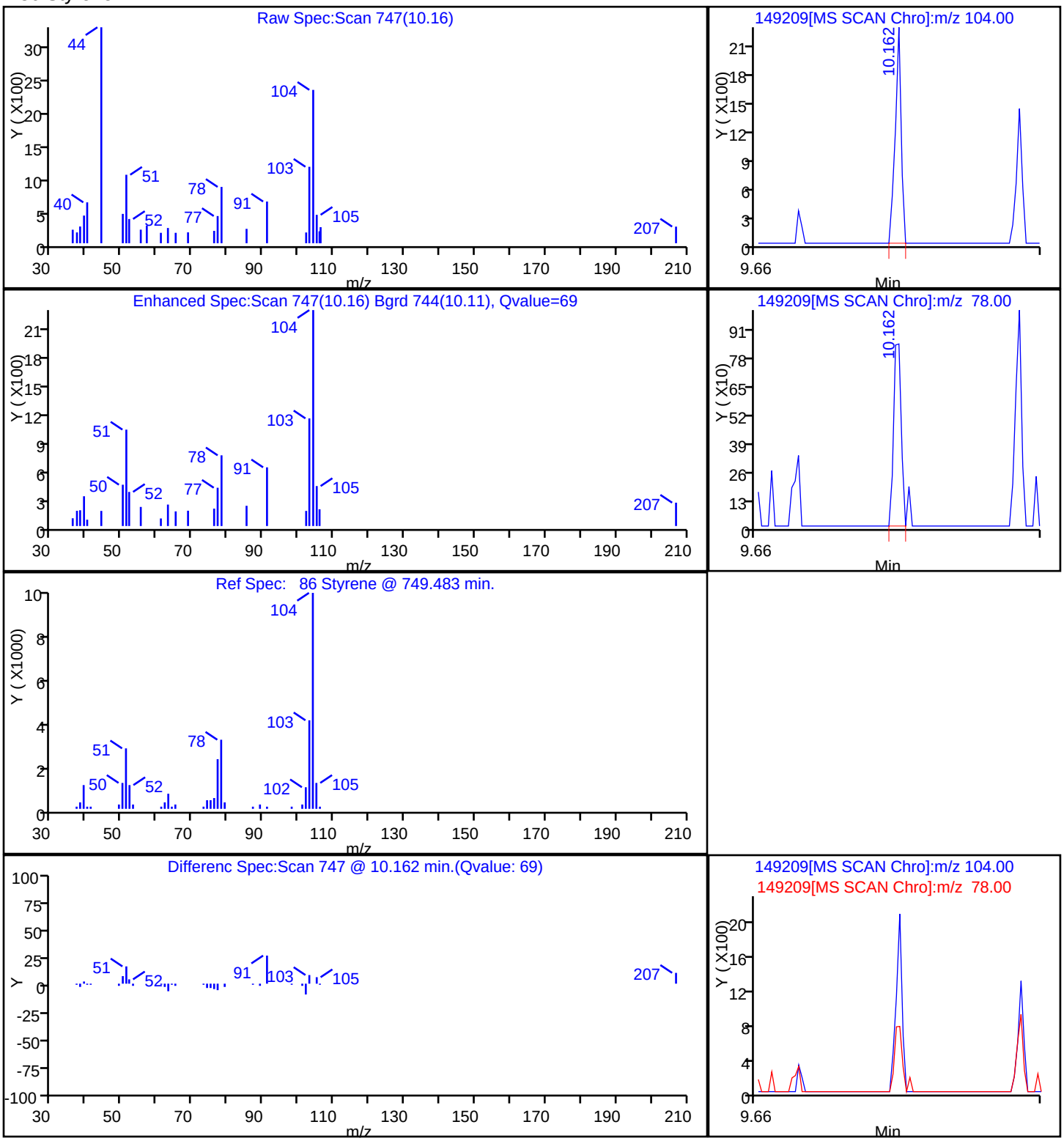
Report Date: 20-Nov-2012 14:44:49 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149209.D

Injection Date:	16-Nov-2012 14:41:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

86 Styrene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-64831/4

Matrix: Water | Lab File ID: UXX0864.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/13/2012 12:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 64831 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	10.7		1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	9.64		1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	10.4		1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	10.8		1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	10.9		1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	10.4		1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	21.1		2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	10.4		1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	19.0		10	0.57	0.57
591-78-6	2-Hexanone	20.0		10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	20.1		10	0.50	0.32
67-64-1	Acetone	21.4		10	1.1	1.1
71-43-2	Benzene	10.4		1.0	0.25	0.13
75-25-2	Bromoform	9.95		1.0	0.64	0.64
74-83-9	Bromomethane	10.1		1.0	0.50	0.41
75-15-0	Carbon disulfide	11.0		1.0	0.25	0.13
56-23-5	Carbon tetrachloride	10.4		1.0	0.25	0.13
108-90-7	Chlorobenzene	10.1		1.0	0.25	0.15
75-27-4	Bromodichloromethane	10.5		1.0	0.25	0.15
74-87-3	Chloromethane	9.74		1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	10.1		1.0	0.25	0.14
124-48-1	Dibromochloromethane	10.1		1.0	0.25	0.18
100-41-4	Ethylbenzene	10.4		1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	10.4		1.0	0.25	0.17
75-09-2	Methylene Chloride	11.4		1.0	0.50	0.33
100-42-5	Styrene	10.7		1.0	0.25	0.11
127-18-4	Tetrachloroethene	9.91		1.0	0.50	0.29
108-88-3	Toluene	10.4		1.0	0.25	0.13
67-66-3	Chloroform	10.1		1.0	0.25	0.16
74-97-5	Bromochloromethane	10.2		1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	10.0		1.0	0.25	0.24
10061-02-6	trans-1,3-Dichloropropene	10.3		1.0	0.25	0.19
79-01-6	Trichloroethene	10.4		1.0	0.25	0.17
75-01-4	Vinyl chloride	10.0		1.0	0.25	0.22
75-00-3	Chloroethane	10.5		1.0	0.50	0.29
1330-20-7	Xylenes, Total	31.6		2.0	0.75	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-64831/4

Matrix: Water Lab File ID: UXX0864.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/13/2012 12:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 64831 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-120
2037-26-5	Toluene-d8 (Surr)	104		85-120
460-00-4	4-Bromofluorobenzene (Surr)	106		75-120
1868-53-7	Dibromofluoromethane (Surr)	102		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0864.D
Lims ID: LCS Client ID:
Inject. Date: 13-Nov-2012 12:10:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0014902-004
Misc. Info.: P21113A,8260LLUX10,,1904 =P21113A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 64831 Lims Sample ID: 4
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121113-14902.b\8260_10.m
Last Update: 14-Nov-2012 13:08:23 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

First Level Reviewer: quayler Date: 13-Nov-2012 13:07:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.205	5.204	0.001	99	1769688	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.878	0.001	84	1198428	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.126	0.001	89	646160	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.625	4.627	-0.002	58	492190	10.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.921	4.911	0.010	0	597345	10.5	
$ 7 Toluene-d8 (Surr)	98	6.566	6.567	-0.001	92	1964662	10.4	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	90	660389	10.6	
12 Dichlorodifluoromethane	85	1.560	1.562	-0.002	87	273289	7.75	
13 Chloromethane	50	1.690	1.692	-0.002	99	662724	9.74	
14 Vinyl chloride	62	1.797	1.799	-0.002	82	538166	10.0	
16 Bromomethane	94	2.081	2.083	-0.002	89	254619	10.1	
17 Chloroethane	64	2.176	2.165	0.011	99	273306	10.5	
19 Trichlorofluoromethane	101	2.389	2.390	-0.001	98	404722	10.4	
20 Ethyl ether	59	2.602	2.601	0.001	89	476304	10.7	
21 Acrolein	56	2.696	2.698	-0.002	91	163080	26.0	
23 1,1-Dichloroethene	96	2.815	2.804	0.011	88	473048	10.9	
24 Acetone	43	2.826	2.816	0.010	96	293846	21.4	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.828	-0.002	87	320461	9.77	
26 Iodomethane	142	2.933	2.935	-0.001	96	796881	10.8	
27 Carbon disulfide	76	3.004	3.006	-0.002	99	1509861	11.0	
28 Acetonitrile	41	3.051	3.041	0.010	99	165993	28.2	
30 Methyl acetate	43	3.099	3.100	-0.001	89	508784	12.3	
31 Methylene Chloride	84	3.193	3.195	-0.002	87	695394	11.4	
32 2-Methyl-2-propanol	59	3.264	3.254	0.010	97	682174	190.7	
33 Acrylonitrile	53	3.383	3.384	-0.001	99	622922	30.0	
34 trans-1,2-Dichloroethene	96	3.430	3.431	-0.001	65	564216	10.6	
35 Methyl tert-butyl ether	73	3.430	3.431	-0.001	88	1597631	10.4	
36 Hexane	86	3.667	3.656	0.010	91	74770	8.83	
37 1,1-Dichloroethane	63	3.773	3.763	0.010	96	981420	10.8	
38 Vinyl acetate	86	3.797	3.798	-0.001	96	71921	7.66	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
39 Isopropyl ether	87	3.820	3.819	0.001	96	522883	10.2	
42 2-Butanone (MEK)	43	4.234	4.236	-0.002	93	441597	19.0	
44 2,2-Dichloropropane	77	4.258	4.248	0.010	89	549955	10.6	
43 cis-1,2-Dichloroethene	96	4.246	4.248	-0.002	82	619427	10.5	
48 Chlorobromomethane	128	4.447	4.437	0.010	92	291142	10.2	
49 Tetrahydrofuran	42	4.495	4.485	0.010	89	160402	9.23	
50 Chloroform	83	4.495	4.496	-0.001	83	919745	10.1	
51 1,1,1-Trichloroethane	97	4.672	4.674	-0.002	93	669357	10.7	
52 Cyclohexane	56	4.743	4.745	-0.002	86	635745	8.99	
53 1,1-Dichloropropene	75	4.802	4.804	-0.002	96	642825	10.0	
54 Carbon tetrachloride	117	4.814	4.816	-0.002	83	524118	10.4	
55 Isobutyl alcohol	41	4.850	4.849	0.001	94	800617	505.6	
57 Benzene	78	4.980	4.982	-0.002	94	2311954	10.4	
56 1,2-Dichloroethane	62	4.980	4.982	-0.002	45	685293	10.4	
61 Trichloroethene	130	5.524	5.514	0.010	93	569656	10.4	
64 1,2-Dichloropropane	63	5.702	5.703	-0.001	90	536853	10.4	
63 Methylcyclohexane	83	5.702	5.703	-0.001	90	484876	8.32	
66 Dibromomethane	93	5.796	5.798	-0.002	89	311730	10.4	
68 Dichlorobromomethane	83	5.927	5.928	-0.001	94	643831	10.5	
70 2-Chloroethyl vinyl ether	63	6.175	6.177	-0.002	92	287614	9.81	
71 cis-1,3-Dichloropropene	75	6.317	6.319	-0.002	93	763343	10.1	
72 4-Methyl-2-pentanone (MIBK)	43	6.435	6.437	-0.002	95	902172	20.1	
73 Toluene	91	6.625	6.626	-0.001	96	2358367	10.4	
74 trans-1,3-Dichloropropene	75	6.802	6.792	0.010	92	661264	10.3	
76 1,1,2-Trichloroethane	97	6.968	6.969	-0.001	83	476764	10.4	
77 1,3-Dichloropropane	76	7.122	7.123	-0.001	90	819768	10.2	
78 Tetrachloroethene	164	7.134	7.135	-0.001	96	404352	9.91	
79 2-Hexanone	43	7.181	7.182	-0.001	96	552491	20.0	
81 Chlorodibromomethane	129	7.335	7.336	-0.001	89	446851	10.1	
83 Ethylene Dibromide	107	7.453	7.455	-0.002	98	443793	10.0	
85 Chlorobenzene	112	7.903	7.904	-0.001	94	1442730	10.1	
86 1,1,1,2-Tetrachloroethane	131	7.974	7.975	-0.001	95	505081	10.2	
87 Ethylbenzene	106	8.009	8.011	-0.002	97	739916	10.4	
88 m-Xylene & p-Xylene	106	8.116	8.117	-0.001	99	1878026	20.7	
89 o-Xylene	106	8.494	8.496	-0.002	94	973358	10.9	
90 Styrene	104	8.506	8.508	-0.002	93	1530230	10.7	
91 Bromoform	173	8.684	8.685	-0.001	98	267679	9.95	
92 Isopropylbenzene	105	8.849	8.851	-0.002	94	2109737	10.6	
94 Cyclohexanone	55	8.932	8.931	0.001	90	434787	60.9	
95 1,1,2,2-Tetrachloroethane	83	9.110	9.111	-0.001	86	580548	9.64	
96 Bromobenzene	156	9.145	9.147	-0.002	91	588339	9.78	
97 1,2,3-Trichloropropane	110	9.157	9.159	-0.002	72	189923	9.76	
98 trans-1,4-Dichloro-2-butene	53	9.169	9.170	-0.001	77	221882	16.9	
99 N-Propylbenzene	120	9.240	9.241	-0.001	98	556548	10.5	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	97	542740	10.2	
101 1,3,5-Trimethylbenzene	105	9.417	9.407	0.010	91	1668230	10.2	
102 4-Chlorotoluene	126	9.429	9.431	-0.002	98	571316	10.0	
103 tert-Butylbenzene	119	9.737	9.738	-0.001	89	1332540	9.91	
104 1,2,4-Trimethylbenzene	105	9.784	9.786	-0.002	86	1735183	10.2	
105 sec-Butylbenzene	105	9.950	9.951	-0.001	93	1672527	9.76	
106 1,3-Dichlorobenzene	146	10.068	10.058	0.010	97	1051130	9.75	
107 4-Isopropyltoluene	119	10.092	10.093	-0.001	93	1474120	10.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,4-Dichlorobenzene	146	10.151	10.153	-0.001	94	1107121	9.53	
109 1,2,3-Trimethylbenzene	105	10.198	10.197	0.001	88	1880802	10.6	
110 n-Butylbenzene	91	10.494	10.496	-0.002	98	1106088	9.70	
111 1,2-Dichlorobenzene	146	10.518	10.519	-0.001	98	1033188	9.57	
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.288	-0.001	77	86010	8.47	
114 1,2,4-Trichlorobenzene	180	12.127	12.129	-0.002	92	424256	7.74	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	95	151000	6.74	
116 Naphthalene	128	12.375	12.377	-0.002	100	1115593	6.68	
117 1,2,3-Trichlorobenzene	180	12.624	12.626	-0.002	98	379445	6.41	
S 119 Trihalomethanes, Total	1				0		40.6	
S 120 1,2-Dichloroethene, Total	96				0		21.1	
S 122 Xylenes, Total	106				0		31.7	

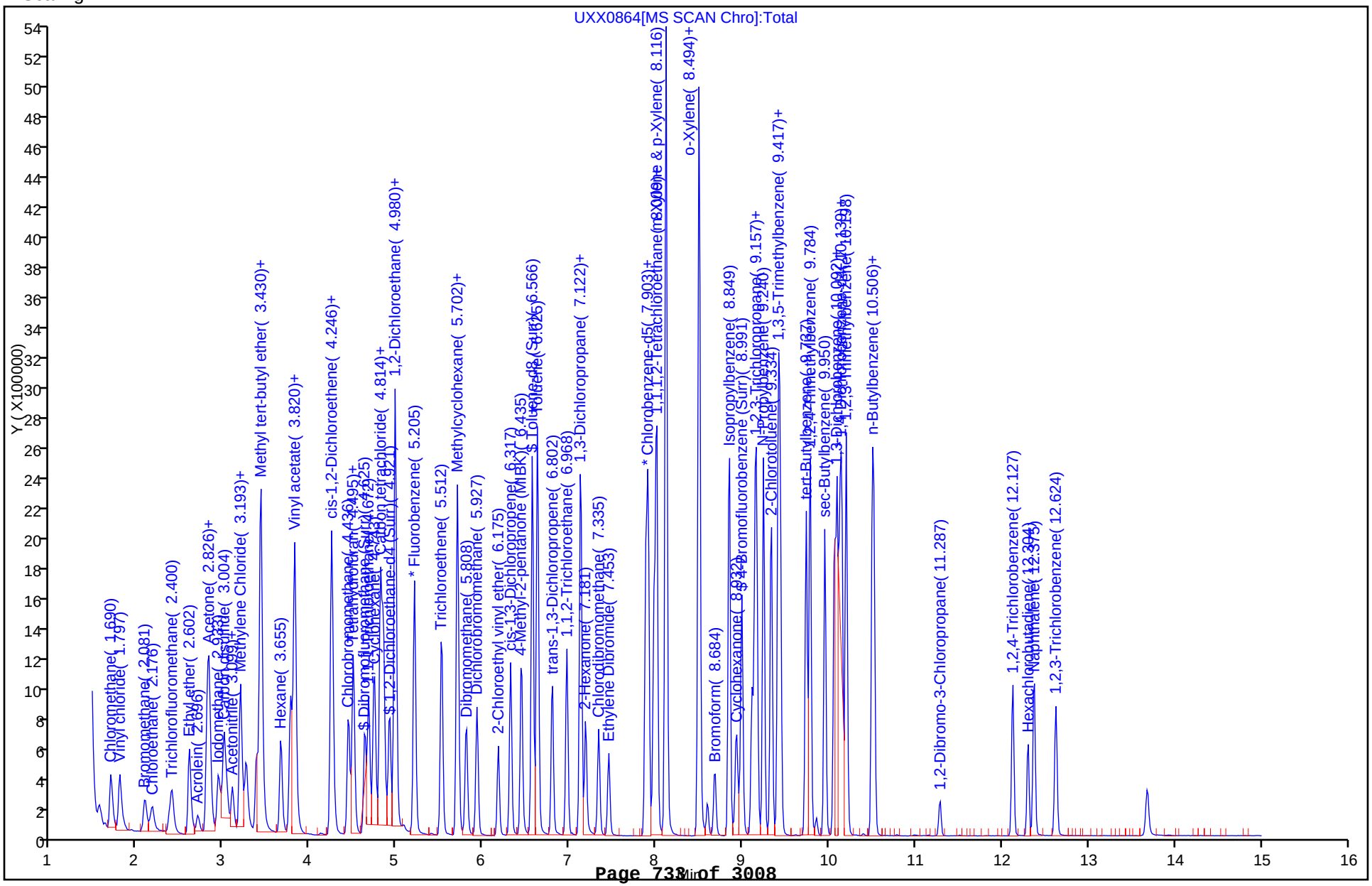
Report Date: 14-Nov-2012 13:08:24 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0864.D

Injection Date:	13-Nov-2012 12:10:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64831	Lims Sample ID:	4
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65171/7

Matrix: Solid | Lab File ID: 149175.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/15/2012 13:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65171 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	52.5		5.0	1.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	52.8		5.0	0.50	0.34
79-00-5	1,1,2-Trichloroethane	53.1		5.0	0.50	0.39
75-34-3	1,1-Dichloroethane	51.0		5.0	0.50	0.36
75-35-4	1,1-Dichloroethene	49.9		5.0	1.0	0.52
107-06-2	1,2-Dichloroethane	50.2		5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	97.6		10	1.0	0.77
78-87-5	1,2-Dichloropropane	52.2		5.0	1.0	0.69
78-93-3	2-Butanone (MEK)	107		20	2.0	1.4
591-78-6	2-Hexanone	110		20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	111		20	1.0	0.54
67-64-1	Acetone	116		20	6.3	6.3
71-43-2	Benzene	49.4		5.0	0.50	0.23
75-25-2	Bromoform	44.8		5.0	0.50	0.33
74-83-9	Bromomethane	43.0		5.0	1.0	0.54
75-15-0	Carbon disulfide	38.9		5.0	0.50	0.44
56-23-5	Carbon tetrachloride	49.1		5.0	0.50	0.37
108-90-7	Chlorobenzene	48.4		5.0	0.50	0.33
75-27-4	Bromodichloromethane	44.0		5.0	0.50	0.28
74-87-3	Chloromethane	48.2		5.0	0.50	0.41
10061-01-5	cis-1,3-Dichloropropene	46.1		5.0	0.50	0.34
124-48-1	Dibromochloromethane	48.1		5.0	1.0	0.55
100-41-4	Ethylbenzene	49.5		5.0	0.50	0.26
1634-04-4	Methyl tert-butyl ether	48.4		5.0	0.50	0.43
75-09-2	Methylene Chloride	49.0		5.0	1.0	0.67
100-42-5	Styrene	52.1		5.0	0.50	0.15
127-18-4	Tetrachloroethene	50.1		5.0	1.0	0.52
108-88-3	Toluene	49.1		5.0	0.50	0.27
67-66-3	Chloroform	48.8		5.0	0.50	0.29
74-97-5	Bromochloromethane	49.6		5.0	1.0	0.71
106-93-4	1,2-Dibromoethane	53.8		5.0	1.0	0.50
10061-02-6	trans-1,3-Dichloropropene	45.0		5.0	1.0	0.54
79-01-6	Trichloroethene	50.5		5.0	0.50	0.42
75-01-4	Vinyl chloride	47.1		5.0	0.50	0.39
75-00-3	Chloroethane	44.2		5.0	1.0	0.86
1330-20-7	Xylenes, Total	149		10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-65171/7

Matrix: Solid Lab File ID: 149175.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/15/2012 13:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65171 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		61-130
2037-26-5	Toluene-d8 (Surr)	97		85-115
460-00-4	4-Bromofluorobenzene (Surr)	102		85-120
1868-53-7	Dibromofluoromethane (Surr)	93		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149175.D
Lims ID: LCS Client ID:
Inject. Date: 15-Nov-2012 13:03:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: lcs
Misc. Info.: 240-0014986-007 =240-0014986-007
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 65171 Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121115-14986.b\8260_14.m
Last Update: 16-Nov-2012 09:58:08 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: macenczaks Date: 15-Nov-2012 13:27:18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1527929	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	912135	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.570	0.001	99	499171	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	87	375633	46.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.541	0.001	97	410370	47.0	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1319029	48.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	423517	51.2	
12 Dichlorodifluoromethane	85	1.442	1.442	0.0	88	381067	43.4	
13 Chloromethane	50	1.607	1.607	0.0	89	721721	48.2	
14 Vinyl chloride	62	1.737	1.737	0.0	84	553001	47.1	
15 Bromomethane	94	2.069	2.069	0.0	90	163740	43.0	
16 Chloroethane	64	2.187	2.187	0.0	93	298141	44.2	
18 Trichlorofluoromethane	101	2.507	2.507	0.0	86	540687	48.3	
19 Ethyl ether	59	2.873	2.873	0.0	98	380641	50.5	
20 Acrolein	56	3.039	3.027	0.012	90	122188	117.8	
21 1,1-Dichloroethene	96	3.157	3.146	0.011	85	438344	49.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	85	435452	51.9	
22 Acetone	43	3.252	3.252	0.0	97	264280	116.4	
24 Iodomethane	142	3.347	3.347	0.0	99	752770	48.1	
26 Carbon disulfide	76	3.418	3.418	0.0	98	997216	38.9	
27 Acetonitrile	41	3.666	3.666	0.0	99	134041	140.6	
28 Methyl acetate	43	3.761	3.761	0.0	98	329044	52.6	
30 Methylene Chloride	84	3.891	3.879	0.012	89	479761	49.0	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	87	423335	957.3	
32 Acrylonitrile	53	4.305	4.305	0.0	94	431144	145.9	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	479046	48.6	
34 Methyl tert-butyl ether	73	4.352	4.353	-0.001	88	966239	48.4	
35 Hexane	86	4.743	4.743	0.0	96	117385	50.6	
36 1,1-Dichloroethane	63	4.920	4.921	0.0	86	964200	51.0	
37 Vinyl acetate	86	5.039	5.039	0.0	96	39707	47.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	5.074	5.074	0.0	98	363181	47.0	
43 2,2-Dichloropropane	77	5.642	5.642	0.0	72	335640	52.8	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	486518	49.0	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	317420	107.1	
47 Chlorobromomethane	128	5.926	5.926	0.0	88	216617	49.6	
48 Tetrahydrofuran	42	5.985	5.985	0.0	92	111348	52.9	
49 Chloroform	83	6.033	6.033	0.0	84	772396	48.8	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	89	639299	52.5	
51 Cyclohexane	56	6.258	6.258	0.0	95	1180378	47.8	
53 Carbon tetrachloride	117	6.388	6.388	0.0	74	596666	49.1	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	617190	50.6	
54 Isobutyl alcohol	41	6.589	6.589	0.0	91	582130	2624.7	
55 Benzene	78	6.601	6.601	0.0	97	1679361	49.4	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	87	612826	50.2	
60 Trichloroethene	130	7.240	7.240	0.0	91	487266	50.5	
63 Methylcyclohexane	83	7.417	7.417	0.0	98	930238	49.6	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	88	448213	52.2	
65 Dibromomethane	93	7.559	7.559	0.0	89	190770	51.1	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	402984	44.0	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	88	131593	55.2	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	82	422507	46.1	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	625800	111.2	
72 Toluene	91	8.411	8.411	0.0	91	1573865	49.1	
73 trans-1,3-Dichloropropene	75	8.600	8.601	-0.001	90	317604	45.0	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	231416	53.1	
77 Tetrachloroethene	164	8.884	8.885	-0.001	91	366175	50.1	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	393422	51.7	
78 2-Hexanone	43	8.979	8.979	0.0	98	320858	109.6	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	234020	48.1	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	228378	53.8	
82 Chlorobenzene	112	9.618	9.618	0.0	92	1019192	48.4	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	87	387047	49.2	
84 Ethylbenzene	106	9.713	9.713	0.0	98	562086	49.5	
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	98	1396646	100.4	
85 o-Xylene	106	10.151	10.151	0.0	95	729738	49.2	
86 Styrene	104	10.162	10.162	0.0	94	990197	52.1	
87 Bromoform	173	10.328	10.328	0.0	97	107492	44.8	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	2006631	50.0	
89 Cyclohexanone	55	10.541	10.541	0.0	94	453535	346.3	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	80	263115	52.8	
91 Bromobenzene	156	10.719	10.719	0.0	93	407451	50.3	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	72	87126	52.5	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	66	163056	96.5	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	542751	55.4	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	466622	52.5	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	1645280	52.8	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	433221	50.9	
97 tert-Butylbenzene	119	11.227	11.227	0.0	84	1579041	52.8	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	1589469	51.9	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	2135683	52.8	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	91	835097	47.5	
101 4-Isopropyltoluene	119	11.523	11.535	-0.012	92	1955106	55.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	92	824042	45.3	
103 1,2,3-Trimethylbenzene	105	11.618	11.630	-0.012	88	1568213	52.4	
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1521405	51.5	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	781995	46.1	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	72	36874	45.6	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	94	489674	40.8	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	288288	44.0	
111 Naphthalene	128	13.440	13.440	0.0	97	855772	41.6	
112 1,2,3-Trichlorobenzene	180	13.629	13.630	-0.001	94	397976	39.9	
S 137 Trihalomethanes, Total	1				0		185.6	
S 11 1,2-Dichloroethene, Total	96				0		97.6	
S 114 Xylenes, Total	106				0		149.6	

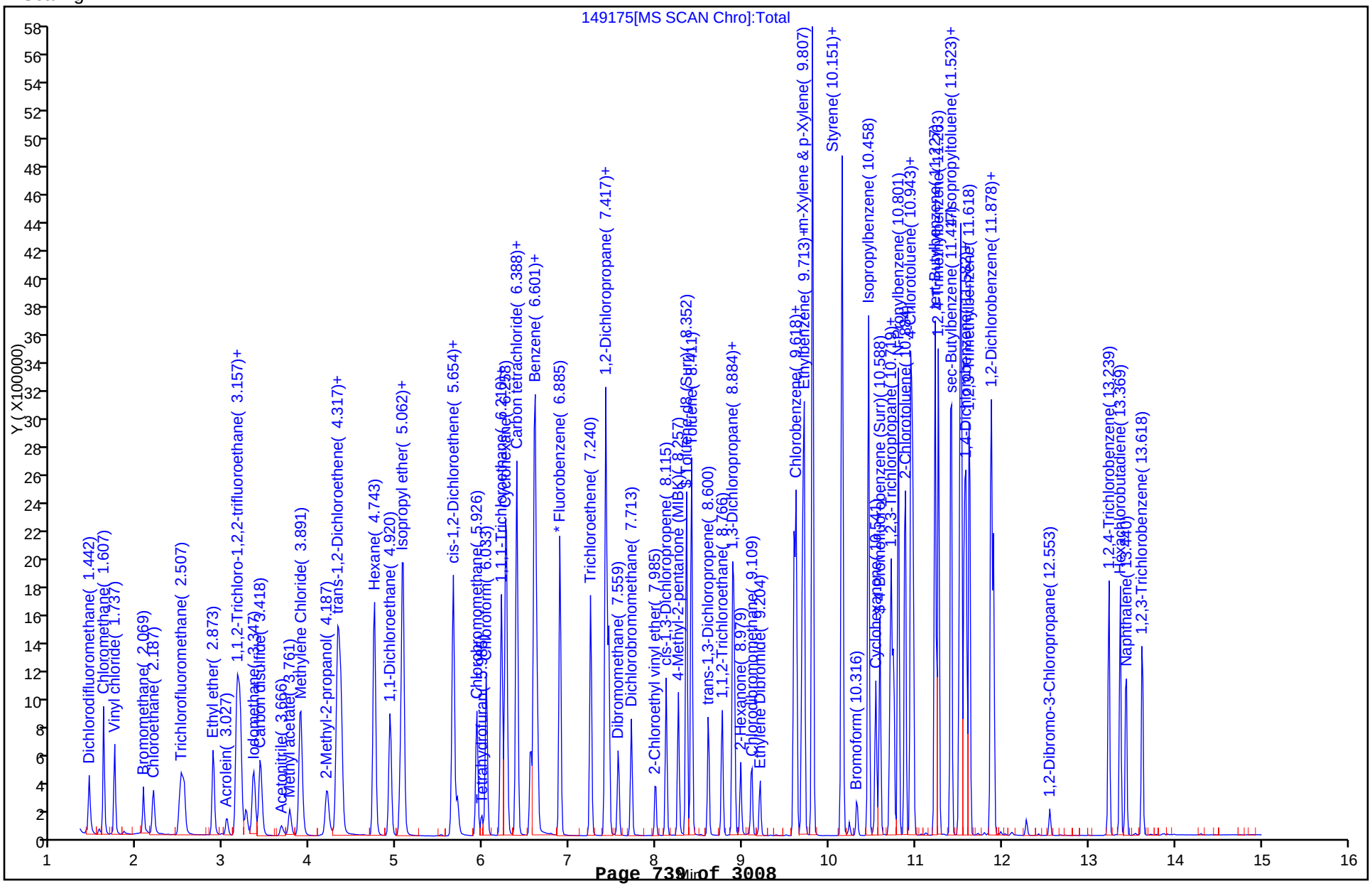
Report Date: 16-Nov-2012 09:58:10 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149175.D

Injection Date:	15-Nov-2012 13:03:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65336/7

Matrix: Solid | Lab File ID: 149208.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/16/2012 14:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65336 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	52.3		5.0	1.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	57.6		5.0	0.50	0.34
79-00-5	1,1,2-Trichloroethane	57.9		5.0	0.50	0.39
75-34-3	1,1-Dichloroethane	52.6		5.0	0.50	0.36
75-35-4	1,1-Dichloroethene	50.4		5.0	1.0	0.52
107-06-2	1,2-Dichloroethane	53.5		5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	101		10	1.0	0.77
78-87-5	1,2-Dichloropropane	54.2		5.0	1.0	0.69
78-93-3	2-Butanone (MEK)	114		20	2.0	1.4
591-78-6	2-Hexanone	117		20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	123		20	1.0	0.54
67-64-1	Acetone	125		20	6.3	6.3
71-43-2	Benzene	52.3		5.0	0.50	0.23
75-25-2	Bromoform	48.9		5.0	0.50	0.33
74-83-9	Bromomethane	44.7		5.0	1.0	0.54
75-15-0	Carbon disulfide	39.2		5.0	0.50	0.44
56-23-5	Carbon tetrachloride	49.6		5.0	0.50	0.37
108-90-7	Chlorobenzene	51.4		5.0	0.50	0.33
75-27-4	Bromodichloromethane	48.2		5.0	0.50	0.28
74-87-3	Chloromethane	51.6		5.0	0.50	0.41
10061-01-5	cis-1,3-Dichloropropene	50.6		5.0	0.50	0.34
124-48-1	Dibromochloromethane	53.0		5.0	1.0	0.55
100-41-4	Ethylbenzene	51.9		5.0	0.50	0.26
1634-04-4	Methyl tert-butyl ether	49.4		5.0	0.50	0.43
75-09-2	Methylene Chloride	53.9		5.0	1.0	0.67
100-42-5	Styrene	53.9		5.0	0.50	0.15
127-18-4	Tetrachloroethene	53.7		5.0	1.0	0.52
108-88-3	Toluene	53.4		5.0	0.50	0.27
67-66-3	Chloroform	50.3		5.0	0.50	0.29
74-97-5	Bromochloromethane	50.7		5.0	1.0	0.71
106-93-4	1,2-Dibromoethane	57.3		5.0	1.0	0.50
10061-02-6	trans-1,3-Dichloropropene	49.7		5.0	1.0	0.54
79-01-6	Trichloroethene	54.1		5.0	0.50	0.42
75-01-4	Vinyl chloride	49.5		5.0	0.50	0.39
75-00-3	Chloroethane	44.5		5.0	1.0	0.86
1330-20-7	Xylenes, Total	156		10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-65336/7

Matrix: Solid Lab File ID: 149208.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/16/2012 14:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65336 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		61-130
2037-26-5	Toluene-d8 (Surr)	102		85-115
460-00-4	4-Bromofluorobenzene (Surr)	107		85-120
1868-53-7	Dibromofluoromethane (Surr)	96		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149208.D
Lims ID: LCS Client ID:
Inject. Date: 16-Nov-2012 14:20:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: lcs
Misc. Info.: 240-0015021-007 =240-0015021-007
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 65336 Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121116-15021.b\8260_14.m
Last Update: 20-Nov-2012 14:44:36 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: macenczaks Date: 16-Nov-2012 14:41:09

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1664881	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	970180	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	99	514967	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	88	422667	48.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.553	-0.012	94	466033	49.0	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1486681	51.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	457931	53.6	
12 Dichlorodifluoromethane	85	1.441	1.441	0.0	88	482578	50.4	
13 Chloromethane	50	1.607	1.607	0.0	89	841302	51.6	
14 Vinyl chloride	62	1.737	1.737	0.0	83	632770	49.5	
15 Bromomethane	94	2.069	2.069	0.0	92	185532	44.7	
16 Chloroethane	64	2.187	2.187	0.0	93	327038	44.5	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	85	588721	48.2	
19 Ethyl ether	59	2.873	2.873	0.0	98	445100	54.2	
20 Acrolein	56	3.039	3.039	0.0	96	148529	131.4	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	84	482348	50.4	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	84	475486	52.0	
22 Acetone	43	3.264	3.252	0.012	97	307823	124.9	
24 Iodomethane	142	3.346	3.347	-0.001	99	829993	48.7	
26 Carbon disulfide	76	3.429	3.418	0.011	99	1095367	39.2	
27 Acetonitrile	41	3.666	3.666	0.0	100	150813	145.2	
28 Methyl acetate	43	3.761	3.761	0.0	98	379525	55.7	
30 Methylene Chloride	84	3.891	3.891	0.0	88	568330	53.9	
31 2-Methyl-2-propanol	59	4.198	4.199	-0.001	86	452296	938.7	
32 Acrylonitrile	53	4.305	4.305	0.0	96	506310	157.2	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	89	536565	49.9	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	87	1074567	49.4	
35 Hexane	86	4.743	4.743	0.0	96	140258	55.4	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	1083750	52.6	
37 Vinyl acetate	86	5.039	5.039	0.0	97	50288	54.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	5.074	5.074	0.0	97	422031	50.1	
43 2,2-Dichloropropane	77	5.642	5.642	0.0	79	352153	50.8	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	552785	51.1	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	368641	114.3	
47 Chlorobromomethane	128	5.926	5.926	0.0	87	241185	50.7	
48 Tetrahydrofuran	42	5.985	5.985	0.0	91	126431	55.1	
49 Chloroform	83	6.033	6.033	0.0	84	868620	50.3	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	92	694103	52.3	
51 Cyclohexane	56	6.269	6.269	0.0	95	1301933	48.4	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	706370	53.1	
53 Carbon tetrachloride	117	6.388	6.388	0.0	75	656979	49.6	
54 Isobutyl alcohol	41	6.589	6.589	0.0	91	675630	2795.7	
55 Benzene	78	6.601	6.601	0.0	97	1937670	52.3	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	87	711826	53.5	
60 Trichloroethene	130	7.240	7.240	0.0	92	568284	54.1	
63 Methylcyclohexane	83	7.417	7.417	0.0	97	1004608	49.1	
62 1,2-Dichloropropane	63	7.453	7.453	-0.001	89	507499	54.2	
65 Dibromomethane	93	7.559	7.559	0.0	90	225629	55.5	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	482169	48.2	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	90	155168	59.4	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	83	508465	50.6	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	736894	123.1	
72 Toluene	91	8.411	8.411	0.0	91	1822007	53.4	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	90	374618	49.7	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	268229	57.9	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	417177	53.7	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	95	457686	56.5	
78 2-Hexanone	43	8.979	8.979	0.0	98	363821	116.8	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	276720	53.0	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	258509	57.3	
82 Chlorobenzene	112	9.618	9.618	0.0	91	1150267	51.4	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	87	419846	50.2	
84 Ethylbenzene	106	9.713	9.713	0.0	98	626987	51.9	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	1545054	104.4	
85 o-Xylene	106	10.150	10.150	0.0	95	821454	52.0	
86 Styrene	104	10.162	10.162	0.0	94	1089657	53.9	
87 Bromoform	173	10.328	10.316	0.012	97	126131	48.9	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	2197569	51.5	
89 Cyclohexanone	55	10.541	10.541	0.0	93	264499	189.9	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	80	296183	57.6	
91 Bromobenzene	156	10.718	10.718	0.0	93	454245	54.4	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	81	96805	56.5	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	76	180976	103.9	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	586404	58.0	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	500926	54.6	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	93	1793726	55.8	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	465467	53.0	
97 tert-Butylbenzene	119	11.227	11.227	0.0	84	1732965	56.2	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	1717902	54.3	
99 sec-Butylbenzene	105	11.405	11.417	-0.012	96	2308016	55.3	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	91	914105	50.4	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	91	2090793	57.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	92	909656	48.4	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	86	1702314	55.2	
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1642304	53.9	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	869301	49.6	
107 1,2-Dibromo-3-Chloropropane	157	12.552	12.553	-0.001	72	44636	52.9	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	91	536065	43.3	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	314551	46.6	
111 Naphthalene	128	13.440	13.440	0.0	97	953868	45.0	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	94	427404	41.5	
S 137 Trihalomethanes, Total	1				0		200.4	
S 11 1,2-Dichloroethene, Total	96				0		101.0	
S 114 Xylenes, Total	106				0		156.5	

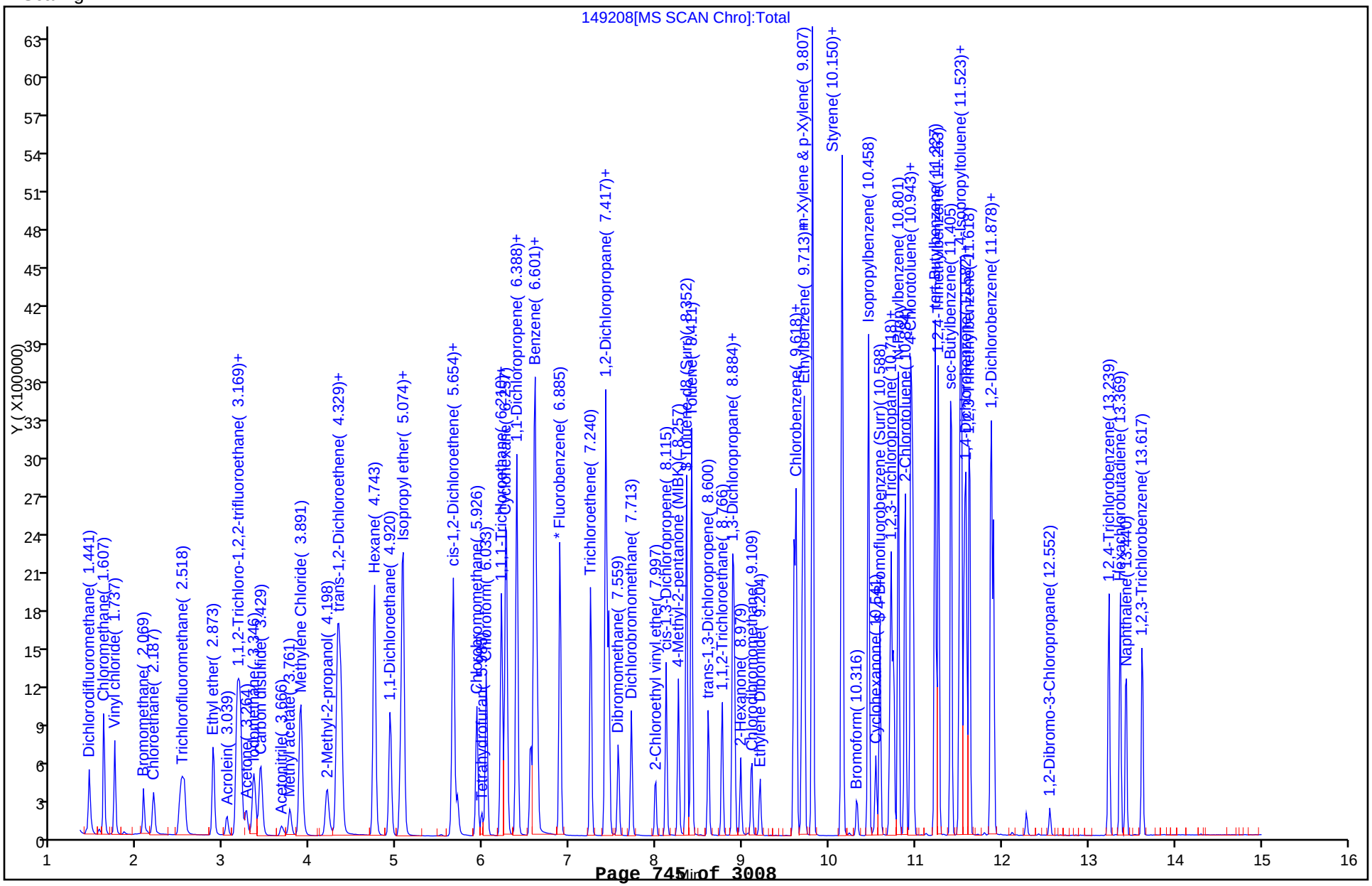
Report Date: 20-Nov-2012 14:44:46 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149208.D

Injection Date:	16-Nov-2012 14:20:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-64831/5

Matrix: Water | Lab File ID: UXX0865.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/13/2012 12:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 64831 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00112		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00115		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00107		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00109		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00102		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00113		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00217		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00102		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00880	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00941	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00913	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00924	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.00113		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.000918	J	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00135	^	0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00101		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00106		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00111		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00103		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00135	^	0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.000883	J	0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.000963	J	0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00104		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00106		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00251	^	0.0010	0.00050	0.00033
100-42-5	Styrene	0.000944	J	0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00105		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00110		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00108		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00103		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00106		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.000895	J	0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00105		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00123		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00143	^	0.0010	0.00050	0.00029
1330-20-7	Xylenes, Total	0.00292		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-64831/5

Matrix: Water Lab File ID: UXX0865.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/13/2012 12:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 64831 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		50-150
2037-26-5	Toluene-d8 (Surr)	104		50-150
460-00-4	4-Bromofluorobenzene (Surr)	99		50-150
1868-53-7	Dibromofluoromethane (Surr)	100		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0865.D
Lims ID: MRL Client ID:
Inject. Date: 13-Nov-2012 12:33:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0014902-005
Misc. Info.: P21113A,8260LLUX10,,1904 =P21113A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 64831 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121113-14902.b\8260_10.m
Last Update: 14-Nov-2012 13:08:23 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK020

First Level Reviewer: quayler Date: 13-Nov-2012 13:12:52

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	99	1759380	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.878	0.0	83	1181717	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.126	0.0	92	617475	10.0	
$ 4 BFB	95	3.441	3.699	-0.258	0	2336	0	
$ 5 Dibromofluoromethane (Surr)	113	4.624	4.627	-0.003	67	479870	9.96	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.911	0.009	0	558910	9.87	
$ 7 Toluene-d8 (Surr)	98	6.565	6.567	-0.002	93	1941574	10.4	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	91	611370	9.94	
11 C6-C10	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	73	41262	1.18	
13 Chloromethane	50	1.690	1.692	-0.002	96	91380	1.35	
14 Vinyl chloride	62	1.796	1.799	-0.003	91	65820	1.23	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.080	2.083	-0.003	85	33869	1.35	
17 Chloroethane	64	2.175	2.165	0.010	76	36963	1.43	
18 Dichlorofluoromethane	67		2.328					
19 Trichlorofluoromethane	101	2.400	2.390	0.010	72	45734	1.18	
20 Ethyl ether	59		2.601					
21 Acrolein	56	2.695	2.698	-0.003	95	68925	11.1	
23 1,1-Dichloroethene	96	2.814	2.804	0.010	82	43831	1.02	
24 Acetone	43	2.826	2.816	0.010	98	139225	9.24	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.828	-0.002	36	32092	0.9843	
22 Methylal	45		2.851					
26 Iodomethane	142	2.932	2.935	-0.002	94	84247	1.15	
27 Carbon disulfide	76	3.003	3.006	-0.003	97	138091	1.01	
28 Acetonitrile	41	3.050	3.041	0.009	99	54196	7.18	
29 3-Chloro-1-propene	76		3.098					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methyl acetate	43	3.098	3.100	-0.002	94	99091	2.41	
31 Methylene Chloride	84	3.192	3.195	-0.003	84	152668	2.51	
32 2-Methyl-2-propanol	59	3.252	3.254	-0.002	96	79746	22.4	
33 Acrylonitrile	53	3.382	3.384	-0.002	93	43322	2.10	
34 trans-1,2-Dichloroethene	96	3.429	3.431	-0.002	65	58089	1.10	
35 Methyl tert-butyl ether	73	3.429	3.431	-0.002	88	161713	1.06	
36 Hexane	86	3.654	3.656	-0.002	88	7804	0.9273	
37 1,1-Dichloroethane	63	3.772	3.763	0.009	74	97968	1.09	
38 Vinyl acetate	86	3.796	3.798	-0.002	96	9018	0.9666	
39 Isopropyl ether	87		3.819					9
40 2-Chloro-1,3-butadiene	53		3.855					
41 Tert-butyl ethyl ether	59		4.115					
42 2-Butanone (MEK)	43	4.234	4.236	-0.002	99	203405	8.80	
44 2,2-Dichloropropane	77	4.257	4.248	0.009	84	55614	1.08	
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	69	62643	1.07	
45 Propionitrile	54		4.281					
46 Ethyl acetate	43	4.234	4.281	-0.047	82	203405	4.44	
47 Methacrylonitrile	41		4.411					9
48 Chlorobromomethane	128	4.435	4.437	-0.002	86	29420	1.03	
49 Tetrahydrofuran	42	4.494	4.485	0.009	30	22849	0.8109	
50 Chloroform	83	4.494	4.496	-0.002	80	97978	1.08	
51 1,1,1-Trichloroethane	97	4.671	4.674	-0.003	88	69586	1.12	
52 Cyclohexane	56	4.742	4.745	-0.003	88	73488	1.05	
53 1,1-Dichloropropene	75	4.813	4.804	0.009	89	69609	1.09	
54 Carbon tetrachloride	117	4.825	4.816	0.009	83	53173	1.06	
55 Isobutyl alcohol	41	4.849	4.849	0.0	58	16411	10.5	
57 Benzene	78	4.979	4.982	-0.003	93	249942	1.13	
56 1,2-Dichloroethane	62	4.979	4.982	-0.003	51	73587	1.13	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.192					
60 n-Butanol	56		5.405					
61 Trichloroethene	130	5.523	5.514	0.009	92	57525	1.05	
62 Ethyl acrylate	55		5.605					9
64 1,2-Dichloropropane	63	5.701	5.703	-0.002	80	52624	1.02	
63 Methylcyclohexane	83	5.701	5.703	-0.002	83	59548	1.03	
65 Methyl methacrylate	41		5.772					9
66 Dibromomethane	93	5.807	5.798	0.009	89	32270	1.08	
67 1,4-Dioxane	88	5.807	5.810	-0.003	36	14484	34.4	
68 Dichlorobromomethane	83	5.926	5.928	-0.002	93	62760	1.03	
69 2-Nitropropane	41		6.115					9
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	83	50251	1.72	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	77	66533	0.8834	
72 4-Methyl-2-pentanone (MIBK)	43	6.435	6.437	-0.002	96	407469	9.13	
73 Toluene	91	6.624	6.626	-0.002	94	245587	1.10	
74 trans-1,3-Dichloropropene	75	6.801	6.792	0.009	85	56491	0.8949	
75 Ethyl methacrylate	69	6.872	6.875	-0.003	83	50088	0.8636	
76 1,1,2-Trichloroethane	97	6.967	6.969	-0.002	86	48359	1.07	
77 1,3-Dichloropropane	76	7.121	7.123	-0.002	90	83160	1.05	
78 Tetrachloroethene	164	7.133	7.135	-0.002	82	42146	1.05	
79 2-Hexanone	43	7.180	7.182	-0.002	96	256652	9.41	
80 n-Butyl acetate	56		7.298					
81 Chlorodibromomethane	129	7.334	7.336	-0.002	71	42210	0.9635	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.452	7.455	-0.003	86	46577	1.06	
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.902	7.904	-0.002	94	156764	1.11	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.975	-0.002	82	50289	1.03	
87 Ethylbenzene	106	8.008	8.011	-0.003	96	73403	1.04	
88 m-Xylene & p-Xylene	106	8.115	8.117	-0.002	99	176661	1.98	
89 o-Xylene	106	8.493	8.496	-0.003	92	82545	0.9415	
90 Styrene	104	8.505	8.508	-0.003	92	132782	0.9437	
91 Bromoform	173	8.683	8.685	-0.002	80	24335	0.9176	
92 Isopropylbenzene	105	8.848	8.851	-0.003	93	191600	0.9726	
94 Cyclohexanone	55	8.931	8.931	0.0	83	32612	4.78	
93 1,4-Dichlorobutane	55		8.931					9
95 1,1,2,2-Tetrachloroethane	83	9.109	9.111	-0.002	88	66313	1.15	
96 Bromobenzene	156	9.144	9.147	-0.003	89	62643	1.09	
97 1,2,3-Trichloropropane	110	9.156	9.159	-0.003	63	21054	1.13	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.170	-0.002	63	10752	1.34	
99 N-Propylbenzene	120	9.239	9.241	-0.002	97	54037	1.06	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	94	55426	1.09	
101 1,3,5-Trimethylbenzene	105	9.416	9.407	0.009	92	159811	1.02	
102 4-Chlorotoluene	126	9.440	9.431	0.009	91	57688	1.06	
103 tert-Butylbenzene	119	9.736	9.738	-0.002	86	131910	1.03	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	72	165343	1.02	
105 sec-Butylbenzene	105	9.949	9.951	-0.002	87	173856	1.06	
106 1,3-Dichlorobenzene	146	10.067	10.058	0.009	94	122844	1.19	
107 4-Isopropyltoluene	119	10.091	10.093	-0.002	91	138687	1.01	
108 1,4-Dichlorobenzene	146	10.150	10.153	-0.002	91	128498	1.16	
109 1,2,3-Trimethylbenzene	105		10.197					9
110 n-Butylbenzene	91	10.493	10.496	-0.003	92	123765	1.14	
111 1,2-Dichlorobenzene	146	10.517	10.519	-0.002	94	127074	1.23	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.288	-0.002	38	11640	1.20	
113 1,3,5-Trichlorobenzene	180	11.511	11.513	-0.002	87	56238	0.9786	
114 1,2,4-Trichlorobenzene	180	12.126	12.129	-0.003	88	79950	1.53	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	87	36918	1.36	
116 Naphthalene	128	12.375	12.377	-0.002	100	220953	1.38	
117 1,2,3-Trichlorobenzene	180	12.623	12.626	-0.003	99	96566	1.71	
118 2-Methylnaphthalene	142	13.676	13.676	0.0	89	68281	0.8020	
S 119 Trihalomethanes, Total	1				0		3.99	
S 120 1,2-Dichloroethene, Total	96				0		2.17	
S 121 1,3-Dichloropropene, Total	75				0		1.78	
S 122 Xylenes, Total	106				0		2.92	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

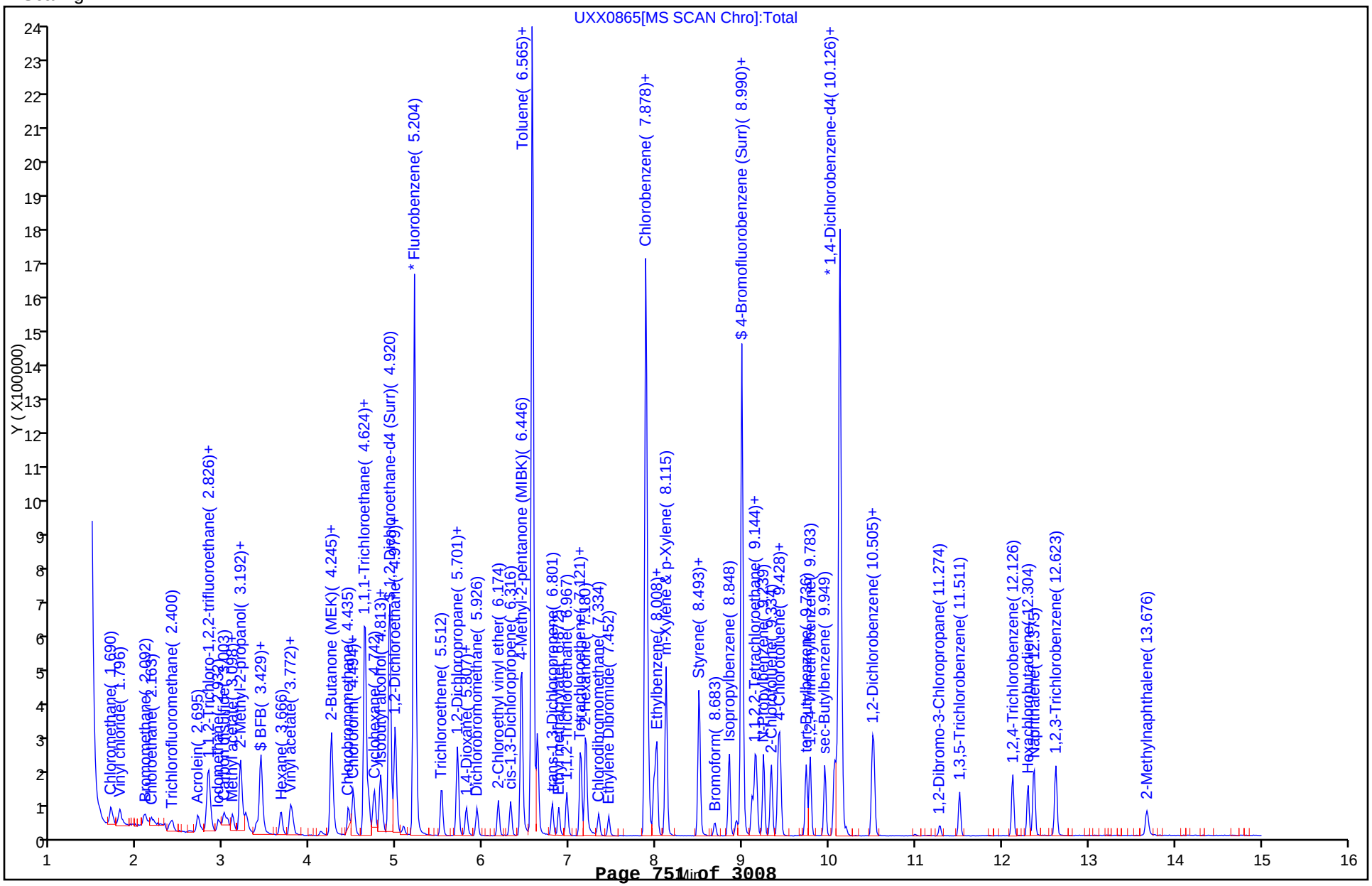
Report Date: 15-Nov-2012 13:50:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0865.D

Injection Date:	13-Nov-2012 12:33:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64831	Lims Sample ID:	5
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-64831/12

Matrix: Water | Lab File ID: UXX0872.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/13/2012 15:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 64831 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00104		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00103		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00110		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00105		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00106		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00105		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00206		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00100		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00916	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00917	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00922	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00985	J	0.010	0.0010	0.0011
71-43-2	Benzene	0.00104		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.000769	J	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00115		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.000973	J	0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00103		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.000988	J	0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.000934	J	0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00124		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.000883	J	0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.000853	J	0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.000902	J	0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.000996	J	0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00273	^	0.0010	0.00050	0.00033
100-42-5	Styrene	0.000771	J	0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00103		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00108		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00107		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00109		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.000932	J	0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.000855	J	0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00102		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00116		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00116		0.0010	0.00050	0.00029
1330-20-7	Xylenes, Total	0.00260		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-64831/12

Matrix: Water Lab File ID: UXX0872.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/13/2012 15:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 64831 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		50-150
2037-26-5	Toluene-d8 (Surr)	109		50-150
460-00-4	4-Bromofluorobenzene (Surr)	97		50-150
1868-53-7	Dibromofluoromethane (Surr)	104		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0872.D
Lims ID: MRL Client ID:
Inject. Date: 13-Nov-2012 15:27:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0014902-012
Misc. Info.: P21113A,8260LLUX10,,1904 =P21113A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 64831 Lims Sample ID: 12
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121113-14902.b\8260_10.m
Last Update: 14-Nov-2012 13:08:23 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK020

First Level Reviewer: quayler Date: 13-Nov-2012 15:52:07

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.206	5.204	0.002	99	1651119	10.0	
* 2 Chlorobenzene-d5	117	7.880	7.878	0.002	85	1086824	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.128	10.126	0.002	92	561675	10.0	
$ 4 BFB	95	3.431	3.699	-0.268	0	2126	0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.627	-0.001	59	469098	10.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.922	4.911	0.011	0	550389	10.4	
$ 7 Toluene-d8 (Surr)	98	6.567	6.567	0.0	93	1857671	10.9	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	90	549884	9.72	
11 C6-C10	1		0.000					
10 C6-C12	1		0.000					
9 Benzyl chloride	126		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.562	1.562	0.0	73	39566	1.20	
13 Chloromethane	50	1.692	1.692	0.0	99	78586	1.24	
14 Vinyl chloride	62	1.798	1.799	-0.001	83	58164	1.16	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.082	2.083	-0.001	75	26912	1.15	
17 Chloroethane	64	2.165	2.165	0.0	69	28104	1.16	
18 Dichlorofluoromethane	67		2.328					
19 Trichlorofluoromethane	101	2.390	2.390	0.0	76	40278	1.10	
20 Ethyl ether	59		2.601					9
21 Acrolein	56	2.697	2.698	-0.001	88	69263	11.8	
23 1,1-Dichloroethene	96	2.804	2.804	0.0	81	42800	1.06	
24 Acetone	43	2.828	2.816	0.012	100	137910	9.85	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.828	2.828	0.0	39	34446	1.13	
22 Methylal	45		2.851					
26 Iodomethane	142	2.934	2.935	0.0	95	68875	1.00	
27 Carbon disulfide	76	3.005	3.006	-0.001	97	124736	0.9735	
28 Acetonitrile	41	3.052	3.041	0.011	98	57284	8.47	
29 3-Chloro-1-propene	76		3.098					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methyl acetate	43	3.100	3.100	0.0	92	93285	2.42	
31 Methylene Chloride	84	3.194	3.195	-0.001	87	155692	2.73	
32 2-Methyl-2-propanol	59	3.254	3.254	0.0	94	60099	18.0	
33 Acrylonitrile	53	3.372	3.384	-0.012	98	41793	2.16	
34 trans-1,2-Dichloroethene	96	3.431	3.431	0.0	64	50420	1.02	
35 Methyl tert-butyl ether	73	3.431	3.431	0.0	87	143230	1.00	
36 Hexane	86	3.656	3.656	0.0	85	6879	0.8710	
37 1,1-Dichloroethane	63	3.774	3.763	0.011	77	88216	1.05	
38 Vinyl acetate	86	3.810	3.798	0.012	95	8303	0.9483	
39 Isopropyl ether	87		3.819					
40 2-Chloro-1,3-butadiene	53		3.855					
41 Tert-butyl ethyl ether	59		4.115					
42 2-Butanone (MEK)	43	4.236	4.236	0.0	100	198721	9.16	
44 2,2-Dichloropropane	77	4.259	4.248	0.011	88	44460	0.9202	
43 cis-1,2-Dichloroethene	96	4.248	4.248	0.0	67	57122	1.04	
45 Propionitrile	54		4.281					
46 Ethyl acetate	43	4.236	4.281	-0.045	83	198721	4.62	
47 Methacrylonitrile	41		4.411					9
48 Chlorobromomethane	128	4.437	4.437	0.0	77	29116	1.09	
49 Tetrahydrofuran	42	4.496	4.485	0.011	29	19225	0.6723	
50 Chloroform	83	4.496	4.496	0.0	82	90620	1.07	
51 1,1,1-Trichloroethane	97	4.674	4.674	0.0	85	60341	1.04	
52 Cyclohexane	56	4.733	4.745	-0.012	85	63487	0.9622	
53 1,1-Dichloropropene	75	4.804	4.804	0.0	89	58570	0.9803	
54 Carbon tetrachloride	117	4.816	4.816	0.0	76	48453	1.03	
55 Isobutyl alcohol	41		4.849					9
57 Benzene	78	4.981	4.982	-0.001	93	215709	1.04	
56 1,2-Dichloroethane	62	4.981	4.982	-0.001	45	63995	1.05	
58 Tert-amyl methyl ether	73		5.062					9
59 n-Heptane	100		5.192					
60 n-Butanol	56		5.405					
61 Trichloroethene	130	5.514	5.514	0.0	92	52305	1.02	
62 Ethyl acrylate	55		5.605					9
64 1,2-Dichloropropane	63	5.703	5.703	0.0	82	48303	1.00	
63 Methylcyclohexane	83	5.703	5.703	0.0	80	48286	0.8878	
65 Methyl methacrylate	41		5.772					9
66 Dibromomethane	93	5.798	5.798	0.0	83	28178	1.01	
67 1,4-Dioxane	88	5.810	5.810	0.0	20	9451	27.6	
68 Dichlorobromomethane	83	5.928	5.928	0.0	91	53469	0.9338	
69 2-Nitropropane	41		6.115					9
70 2-Chloroethyl vinyl ether	63	6.176	6.177	-0.001	86	45607	1.67	
71 cis-1,3-Dichloropropene	75	6.318	6.319	-0.001	81	62388	0.8826	
72 4-Methyl-2-pentanone (MIBK)	43	6.437	6.437	0.0	96	386012	9.22	
73 Toluene	91	6.626	6.626	0.0	83	222057	1.08	
74 trans-1,3-Dichloropropene	75	6.803	6.792	0.011	83	49616	0.8546	
75 Ethyl methacrylate	69	6.874	6.875	-0.001	84	40535	0.7599	
76 1,1,2-Trichloroethane	97	6.969	6.969	0.0	82	45495	1.10	
77 1,3-Dichloropropane	76	7.123	7.123	0.0	87	73267	1.00	
78 Tetrachloroethene	164	7.135	7.135	0.0	89	38030	1.03	
79 2-Hexanone	43	7.182	7.182	0.0	97	229984	9.17	
80 n-Butyl acetate	56		7.298					9
81 Chlorodibromomethane	129	7.336	7.336	0.0	75	34366	0.8529	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.454	7.455	-0.001	89	37540	0.9324	
84 1-Chlorohexane	91		7.779					9
85 Chlorobenzene	112	7.904	7.904	0.0	91	128062	0.9876	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.975	0.0	82	43433	0.9654	
87 Ethylbenzene	106	8.010	8.011	-0.001	96	58477	0.9021	
88 m-Xylene & p-Xylene	106	8.117	8.117	0.0	99	143593	1.75	
89 o-Xylene	106	8.496	8.496	0.0	90	68760	0.8527	
90 Styrene	104	8.507	8.508	-0.001	90	99707	0.7705	
91 Bromoform	173	8.685	8.685	0.0	85	18749	0.7687	
92 Isopropylbenzene	105	8.851	8.851	0.0	90	152134	0.8397	
94 Cyclohexanone	55		8.931					9
93 1,4-Dichlorobutane	55		8.931					9
95 1,1,2,2-Tetrachloroethane	83	9.111	9.111	0.0	81	53914	1.03	
96 Bromobenzene	156	9.146	9.147	-0.001	88	51100	0.9773	
97 1,2,3-Trichloropropane	110	9.158	9.159	-0.001	63	16630	0.9830	
98 trans-1,4-Dichloro-2-butene	53	9.158	9.170	-0.012	55	8127	1.20	
99 N-Propylbenzene	120	9.241	9.241	0.0	95	41509	0.8984	
100 2-Chlorotoluene	126	9.336	9.336	0.0	95	42090	0.9065	
101 1,3,5-Trimethylbenzene	105	9.407	9.407	0.0	90	117474	0.8250	
102 4-Chlorotoluene	126	9.430	9.431	-0.001	96	40888	0.8264	
103 tert-Butylbenzene	119	9.738	9.738	0.0	78	95773	0.8192	
104 1,2,4-Trimethylbenzene	105	9.785	9.786	-0.001	88	119304	0.8103	
105 sec-Butylbenzene	105	9.951	9.951	0.0	84	122016	0.8191	
106 1,3-Dichlorobenzene	146	10.057	10.058	-0.001	92	90382	0.9643	
107 4-Isopropyltoluene	119	10.093	10.093	0.0	92	97280	0.7770	
108 1,4-Dichlorobenzene	146	10.152	10.153	0.0	84	96538	0.9559	
109 1,2,3-Trimethylbenzene	105		10.197					9
110 n-Butylbenzene	91	10.495	10.496	-0.001	93	81235	0.8196	
111 1,2-Dichlorobenzene	146	10.519	10.519	0.0	95	94242	1.00	
112 1,2-Dibromo-3-Chloropropane	157	11.288	11.288	0.0	19	6574	0.7445	
113 1,3,5-Trichlorobenzene	180	11.513	11.513	0.0	89	45210	0.8648	
114 1,2,4-Trichlorobenzene	180	12.128	12.129	-0.001	73	35417	0.7434	
115 Hexachlorobutadiene	225	12.306	12.306	0.0	61	16148	0.4689	
116 Naphthalene	128	12.377	12.377	0.0	100	69571	0.4791	
117 1,2,3-Trichlorobenzene	180	12.625	12.626	-0.001	86	31073	0.6039	
118 2-Methylnaphthalene	142		13.676					
S 119 Trihalomethanes, Total	1				0		3.62	
S 120 1,2-Dichloroethene, Total	96				0		2.06	
S 121 1,3-Dichloropropene, Total	75				0		1.74	
S 122 Xylenes, Total	106				0		2.60	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

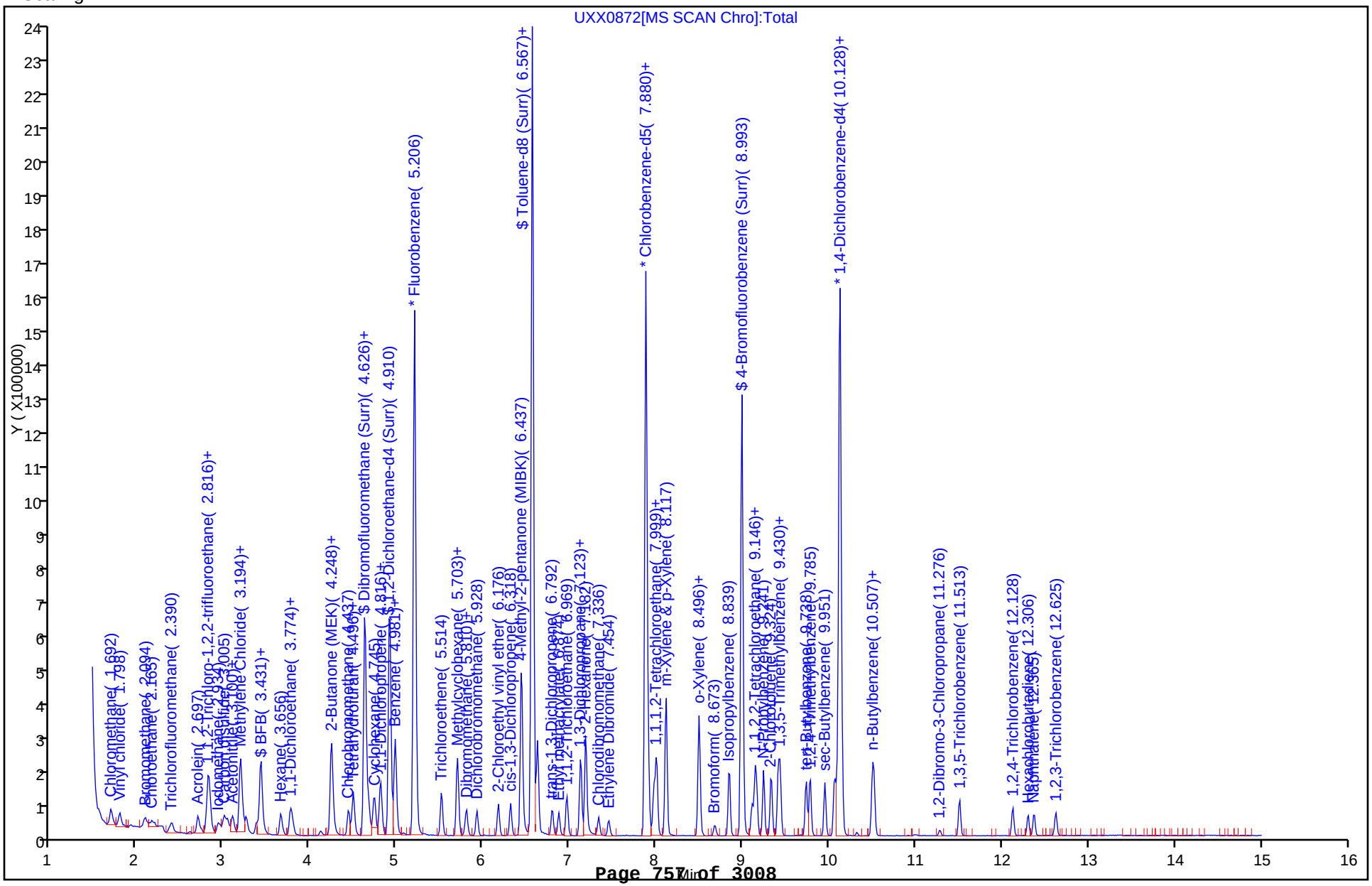
Report Date: 15-Nov-2012 13:51:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121113-14902.b\UXX0872.D

Injection Date:	13-Nov-2012 15:27:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64831	Lims Sample ID:	12
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65171/5

Matrix: Solid | Lab File ID: 149173.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/15/2012 12:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65171 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00465		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00464		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00489		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00470		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00478		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00505		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00958		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00485		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.0102		0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00914	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00948	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.0175	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00490		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00607		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00580		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00358		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00456		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00498		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00411		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00583		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00504		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00454		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00470		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00465		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00565		0.0010	0.00050	0.00033
100-42-5	Styrene	0.00411		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00523		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00494		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00474		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00475		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00444		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00416		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00490		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00555		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00562		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0139		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-65171/5

Matrix: Solid Lab File ID: 149173.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/15/2012 12:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65171 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		50-150
2037-26-5	Toluene-d8 (Surr)	97		50-150
460-00-4	4-Bromofluorobenzene (Surr)	95		50-150
1868-53-7	Dibromofluoromethane (Surr)	89		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149173.D
Lims ID: QCMRL Client ID:
Inject. Date: 15-Nov-2012 12:20:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0014986-005 =240-0014986-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 65171 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121115-14986.b\8260_14.m
Last Update: 16-Nov-2012 09:58:08 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: macenczaks Date: 15-Nov-2012 12:41:14

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1409743	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	806452	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	99	463255	50.0	
$ 4 BFB	95	4.329	4.537	-0.208	0	2263	0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	69	330145	44.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.541	0.0	93	390924	48.5	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1174148	48.6	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	363309	47.3	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.441	1.442	-0.001	86	46555	5.74	
13 Chloromethane	50	1.607	1.607	0.0	89	80474	5.83	
14 Vinyl chloride	62	1.725	1.737	-0.012	83	60120	5.55	
15 Bromomethane	94	2.069	2.069	0.0	89	23185	5.80	
16 Chloroethane	64	2.187	2.187	0.0	97	34955	5.62	
17 Dichlorofluoromethane	67		2.447					9
18 Trichlorofluoromethane	101	2.506	2.507	-0.001	83	48725	4.71	
19 Ethyl ether	59	2.873	2.873	0.0	94	5834	0.8393	
25 Methylal	45		2.932					
20 Acrolein	56	3.027	3.027	0.0	89	44175	46.2	
21 1,1-Dichloroethene	96	3.145	3.146	-0.001	84	38758	4.78	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	84	37352	4.83	
22 Acetone	43	3.264	3.252	0.012	91	47803	17.5	
24 Iodomethane	142	3.335	3.347	-0.012	100	66531	4.61	
26 Carbon disulfide	76	3.418	3.418	0.0	98	66873	3.58	
27 Acetonitrile	41	3.666	3.666	0.0	98	49345	56.1	
29 3-Chloro-1-propene	76		3.690					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
28 Methyl acetate	43	3.761	3.761	0.0	97	63235	11.0	
30 Methylene Chloride	84	3.891	3.879	0.012	89	95398	5.65	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	86	40949	100.4	
32 Acrylonitrile	53	4.305	4.305	0.0	90	27615	10.1	
33 trans-1,2-Dichloroethene	96	4.329	4.317	0.012	90	42448	4.67	
34 Methyl tert-butyl ether	73	4.352	4.353	-0.001	85	85615	4.65	
35 Hexane	86	4.743	4.743	0.0	95	11755	5.49	
36 1,1-Dichloroethane	63	4.920	4.921	0.0	86	82026	4.70	
39 2-Chloro-1,3-butadiene	53		5.039					9
37 Vinyl acetate	86	5.039	5.039	0.0	95	2587	3.91	
38 Isopropyl ether	87	5.074	5.074	0.0	85	1607	0.2253	
40 Tert-butyl ethyl ether	59		5.524					
61 Ethyl acrylate	55		5.605					9
43 2,2-Dichloropropane	77	5.642	5.642	0.0	69	27184	4.63	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	44957	4.91	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	71	31618	10.2	
44 Propionitrile	54		5.760					
45 Ethyl acetate	43		5.796					
46 Methacrylonitrile	41		5.926					9
47 Chlorobromomethane	128	5.926	5.926	0.0	87	19124	4.75	
48 Tetrahydrofuran	42	5.985	5.985	0.0	91	10108	4.85	
49 Chloroform	83	6.033	6.033	0.0	84	69348	4.74	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	36	52187	4.65	
51 Cyclohexane	56	6.257	6.258	-0.001	95	111956	4.92	
53 Carbon tetrachloride	117	6.388	6.388	0.0	66	44359	4.56	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	80	53217	4.72	
54 Isobutyl alcohol	41		6.589					
55 Benzene	78	6.601	6.601	0.0	96	153902	4.90	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	83	56879	5.05	
57 Tert-amyl methyl ether	73		6.743					9
58 n-Heptane	100		6.896					
59 n-Butanol	56	7.228	7.228	0.0	37	5882	30.0	
60 Trichloroethene	130	7.240	7.240	0.0	89	43553	4.90	
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83	7.417	7.417	0.0	98	84785	4.90	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	86	38409	4.85	
65 Dibromomethane	93	7.559	7.559	0.0	88	16207	4.71	
64 Methyl methacrylate	41		7.571					9
66 1,4-Dioxane	88	7.583	7.583	0.0	86	9586	215.2	
67 Dichlorobromomethane	83	7.713	7.713	0.0	88	27576	4.11	
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	88	19119	10.6	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	76	26294	5.04	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	96	47139	9.48	
72 Toluene	91	8.411	8.411	0.0	96	139955	4.94	
73 trans-1,3-Dichloropropene	75	8.600	8.601	-0.001	89	19621	4.16	
74 Ethyl methacrylate	69	8.683	8.683	0.0	91	16583	4.28	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	18861	4.89	
77 Tetrachloroethene	164	8.884	8.885	-0.001	88	33833	5.23	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	92	31847	4.73	
78 2-Hexanone	43	8.979	8.979	0.0	94	23671	9.14	
132 n-Butyl acetate	43	9.085	9.085	0.0	0	11119	0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
79 Chlorodibromomethane	129	9.109	9.109	0.0	84	12968	4.54	
123 Ethylene Dibromide	107	9.204	9.204	0.0	93	16647	4.44	
81 1-Chlorohexane	91		9.594					
82 Chlorobenzene	112	9.618	9.618	0.0	91	92550	4.98	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	78	25133	4.16	
84 Ethylbenzene	106	9.713	9.713	0.0	98	47125	4.70	
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	98	113428	9.22	
85 o-Xylene	106	10.150	10.151	-0.001	94	60889	4.64	
86 Styrene	104	10.162	10.162	0.0	93	69119	4.11	
87 Bromoform	173	10.328	10.328	0.0	91	6310	6.07	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	159920	4.51	
89 Cyclohexanone	55	10.541	10.541	0.0	21	3530	3.05	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	81	21484	4.64	
91 Bromobenzene	156	10.718	10.719	-0.001	94	34500	4.59	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	74	7758	5.03	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	48	6293	4.01	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	41776	4.60	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	38373	4.65	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	132542	4.59	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	36992	4.68	
97 tert-Butylbenzene	119	11.227	11.227	0.0	88	123116	4.44	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	128266	4.51	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	176434	4.70	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	96	78540	4.82	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	87	150161	4.59	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	77	79409	4.70	
103 1,2,3-Trimethylbenzene	105	11.618	11.630	-0.012	5	4736	0.1707	
105 n-Butylbenzene	91	11.878	11.878	0.0	93	124866	4.55	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	75724	4.81	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	41	2255	3.65	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	96	63304	4.76	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	54357	4.89	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	93	31659	5.21	
111 Naphthalene	128	13.440	13.440	0.0	97	86122	4.51	
112 1,2,3-Trichlorobenzene	180	13.629	13.630	-0.001	94	48236	5.21	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	86	22977	2.09	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	12545481	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	14991701	0	
S 137 Trihalomethanes, Total	1				0		19.5	
S 11 1,2-Dichloroethene, Total	96				0		9.57	
S 9 1,3-Dichloropropene, Total	75				0		9.20	
S 114 Xylenes, Total	106				0		13.9	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

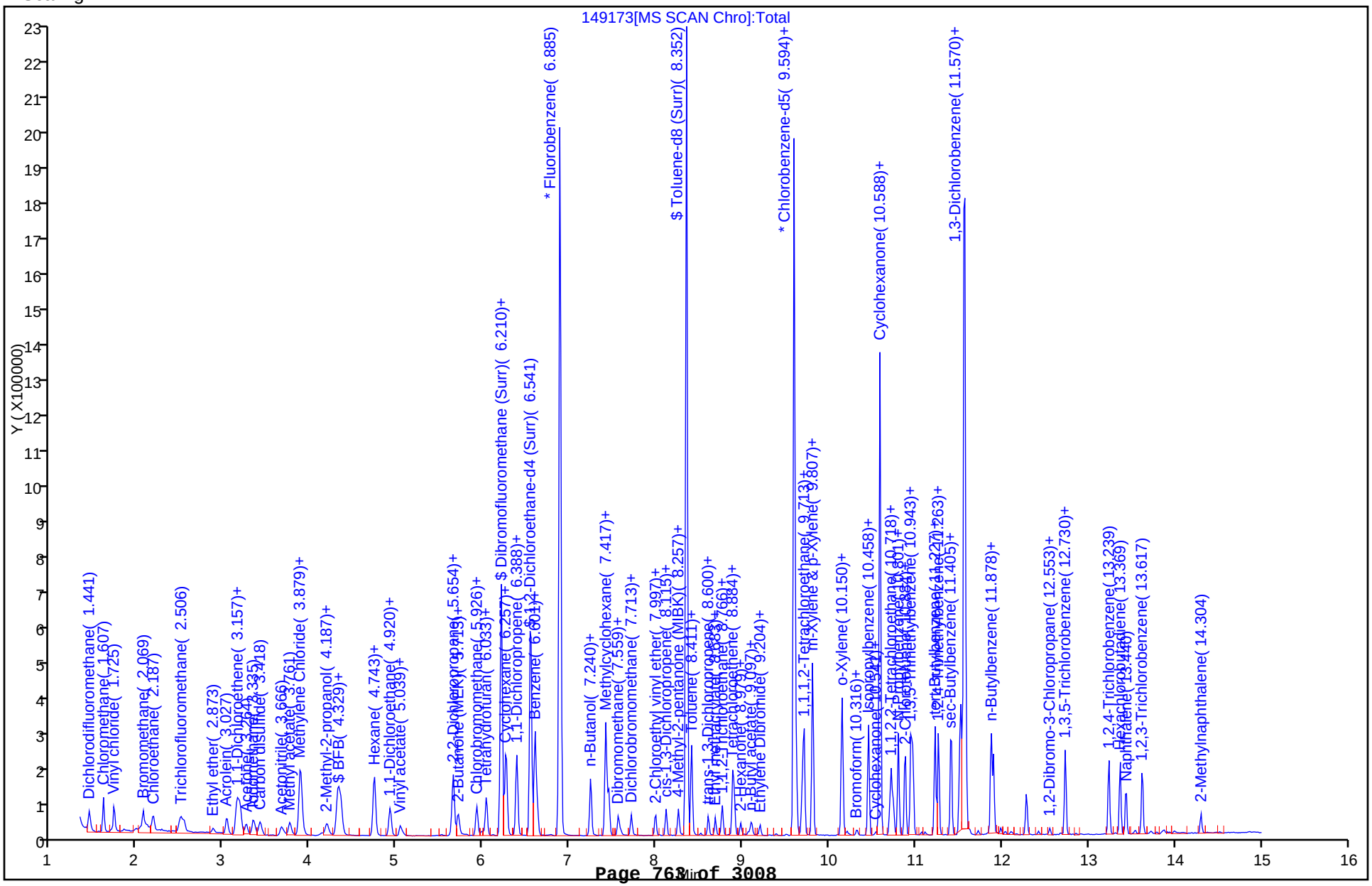
Report Date: 16-Nov-2012 09:58:09 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149173.D

Injection Date:	15-Nov-2012 12:20:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	5
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65171/29

Matrix: Solid | Lab File ID: 149197.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/15/2012 21:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65171 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00437		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00525		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00567		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00476		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00467		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00522		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00908		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00508		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.0119		0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.0109		0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0102		0.010	0.00050	0.00032
67-64-1	Acetone	0.0201	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00504		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00648		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00491		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00353		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00444		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00495		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00433		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00516		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00542		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00492		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00487		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00451		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00528		0.0010	0.00050	0.00033
100-42-5	Styrene	0.00453		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00537		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00512		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00471		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00472		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00492		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00425		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00521		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00518		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00482		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0148		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-65171/29

Matrix: Solid Lab File ID: 149197.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/15/2012 21:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65171 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		50-150
2037-26-5	Toluene-d8 (Surr)	96		50-150
460-00-4	4-Bromofluorobenzene (Surr)	101		50-150
1868-53-7	Dibromofluoromethane (Surr)	87		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149197.D
Lims ID: QCMRL Client ID:
Inject. Date: 15-Nov-2012 21:17:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0014986-029 =240-0014986-029
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 28
Lims Batch ID: 65171 Lims Sample ID: 29
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121115-14986.b\8260_14.m
Last Update: 16-Nov-2012 09:58:08 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: macenczaks Date: 16-Nov-2012 09:29:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1532149	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	930246	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	99	522429	50.0	
$ 4 BFB	95	4.317	4.537	-0.220	0	2464	0	
$ 5 Dibromofluoromethane (Surr)	113	6.198	6.210	-0.012	79	350941	43.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.541	0.0	93	437217	50.0	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1334874	47.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	90	435138	50.3	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.441	1.442	-0.001	86	44792	5.09	
13 Chloromethane	50	1.607	1.607	0.0	89	77398	5.16	
14 Vinyl chloride	62	1.725	1.737	-0.012	84	60946	5.18	
15 Bromomethane	94	2.069	2.069	0.0	90	21849	4.91	
16 Chloroethane	64	2.187	2.187	0.0	92	32565	4.82	
17 Dichlorofluoromethane	67		2.447					
18 Trichlorofluoromethane	101	2.506	2.507	-0.001	84	47530	4.23	
19 Ethyl ether	59	2.873	2.873	0.0	91	5719	0.7570	
25 Methylal	45		2.932					
20 Acrolein	56	3.027	3.027	0.0	90	43759	42.1	
21 1,1-Dichloroethene	96	3.145	3.146	-0.001	84	41098	4.67	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	81	40795	4.85	
22 Acetone	43	3.252	3.252	0.0	95	57404	20.1	
24 Iodomethane	142	3.335	3.347	-0.012	99	69172	4.41	
26 Carbon disulfide	76	3.418	3.418	0.0	99	71517	3.53	
27 Acetonitrile	41	3.654	3.666	-0.012	99	46754	48.9	
29 3-Chloro-1-propene	76		3.690					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
28 Methyl acetate	43	3.761	3.761	0.0	97	71810	11.4	
30 Methylene Chloride	84	3.879	3.879	0.0	87	100478	5.28	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	86	50196	113.2	
32 Acrylonitrile	53	4.305	4.305	0.0	96	30438	10.3	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	42684	4.32	
34 Methyl tert-butyl ether	73	4.352	4.353	-0.001	88	90238	4.51	
35 Hexane	86	4.731	4.743	-0.012	96	14009	6.02	
36 1,1-Dichloroethane	63	4.920	4.921	0.0	85	90198	4.76	
39 2-Chloro-1,3-butadiene	53		5.039					9
37 Vinyl acetate	86	5.039	5.039	0.0	96	3080	4.23	
38 Isopropyl ether	87		5.074					9
40 Tert-butyl ethyl ether	59		5.524					9
61 Ethyl acrylate	55		5.605					9
43 2,2-Dichloropropane	77	5.642	5.642	0.0	66	26519	4.16	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	74	47422	4.76	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	93	39318	11.9	
44 Propionitrile	54		5.760					
45 Ethyl acetate	43		5.796					
46 Methacrylonitrile	41		5.926					9
47 Chlorobromomethane	128	5.926	5.926	0.0	89	20679	4.72	
48 Tetrahydrofuran	42	5.985	5.985	0.0	87	12909	5.77	
49 Chloroform	83	6.033	6.033	0.0	84	74855	4.71	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	85	53351	4.37	
51 Cyclohexane	56	6.257	6.258	-0.001	96	116593	4.71	
53 Carbon tetrachloride	117	6.388	6.388	0.0	59	46687	4.44	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	82	63632	5.20	
54 Isobutyl alcohol	41		6.589					
55 Benzene	78	6.601	6.601	0.0	97	171967	5.04	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	82	63831	5.22	
57 Tert-amyl methyl ether	73		6.743					
58 n-Heptane	100		6.896					
59 n-Butanol	56		7.228					
60 Trichloroethene	130	7.240	7.240	0.0	89	50384	5.21	
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83	7.417	7.417	0.0	97	91170	4.84	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	87	43764	5.08	
65 Dibromomethane	93	7.559	7.559	0.0	84	19101	5.10	
64 Methyl methacrylate	41		7.571					9
66 1,4-Dioxane	88	7.583	7.583	0.0	93	12088	249.7	
67 Dichlorobromomethane	83	7.713	7.713	0.0	89	31988	4.33	
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63	7.985	7.997	-0.012	89	23767	11.8	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	73	32117	5.42	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	96	58482	10.2	
72 Toluene	91	8.411	8.411	0.0	97	167502	5.12	
73 trans-1,3-Dichloropropene	75	8.600	8.601	-0.001	87	23294	4.25	
74 Ethyl methacrylate	69	8.683	8.683	0.0	87	22289	4.87	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	88	25201	5.67	
77 Tetrachloroethene	164	8.884	8.885	-0.001	89	40039	5.37	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	41310	5.32	
78 2-Hexanone	43	8.979	8.979	0.0	92	32512	10.9	
132 n-Butyl acetate	43		9.085					14

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
79 Chlorodibromomethane	129	9.097	9.109	-0.012	86	16820	4.92	
123 Ethylene Dibromide	107	9.204	9.204	0.0	95	21284	4.92	
81 1-Chlorohexane	91		9.594					
82 Chlorobenzene	112	9.618	9.618	0.0	90	106143	4.95	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	81	29250	4.19	
84 Ethylbenzene	106	9.713	9.713	0.0	98	56395	4.87	
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	98	141583	9.98	
85 o-Xylene	106	10.150	10.151	-0.001	94	72814	4.81	
86 Styrene	104	10.150	10.162	-0.012	90	87816	4.53	
87 Bromoform	173	10.316	10.328	-0.012	85	8317	6.48	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	190753	4.66	
89 Cyclohexanone	55	10.541	10.541	0.0	28	2114	1.58	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	86	27396	5.25	
91 Bromobenzene	156	10.718	10.719	-0.001	95	42431	5.01	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	82	8759	5.04	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	59	9034	5.11	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	53117	5.18	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	50440	5.42	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	93	156134	4.79	
104 4-Chlorotoluene	126	10.967	10.967	0.0	99	45079	5.06	
97 tert-Butylbenzene	119	11.227	11.227	0.0	88	147496	4.71	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	151226	4.71	
99 sec-Butylbenzene	105	11.405	11.417	-0.012	96	204653	4.83	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	94	91825	4.99	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	86	176569	4.78	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	85	96218	5.05	
103 1,2,3-Trimethylbenzene	105		11.630					
105 n-Butylbenzene	91	11.878	11.878	0.0	94	143079	4.63	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	89175	5.02	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	44	3754	5.15	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	97	73987	4.93	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	94	58903	4.70	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	35654	5.20	
111 Naphthalene	128	13.440	13.440	0.0	97	101566	4.72	
112 1,2,3-Trichlorobenzene	180	13.629	13.630	-0.001	95	51281	4.91	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	37	2807	0.2264	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	14291561	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	17373155	0	
S 137 Trihalomethanes, Total	1				0		20.4	
S 11 1,2-Dichloroethene, Total	96				0		9.08	
S 9 1,3-Dichloropropene, Total	75				0		9.67	
S 114 Xylenes, Total	106				0		14.8	

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

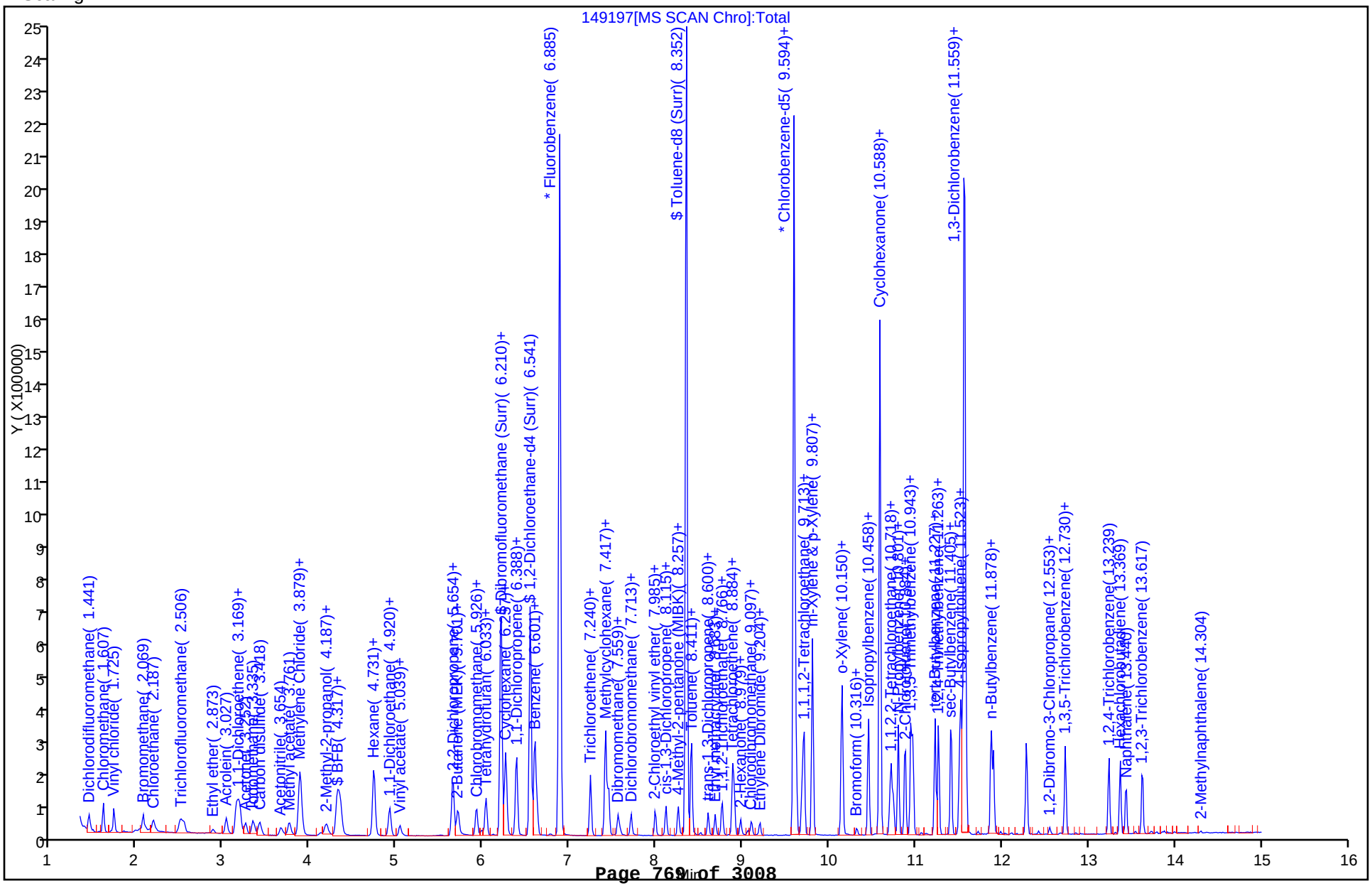
Report Date: 16-Nov-2012 09:58:20 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149197.D

Injection Date:	15-Nov-2012 21:17:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	29
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65336/5

Matrix: Solid | Lab File ID: 149206.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/16/2012 13:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65336 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00391		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00410		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00477		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00413		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00402		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00436		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00835		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00422		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00944	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00844	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00902	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.0231	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00434		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00610		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00509		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00318	^	0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00384		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00431		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00374		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00528		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00485		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00440		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00420		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00395		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00912	^	0.0010	0.00050	0.00033
100-42-5	Styrene	0.00379		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00458		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00454		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00417		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00409		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00395		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00373		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00429		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00515		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00511		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0126		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-65336/5

Matrix: Solid Lab File ID: 149206.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/16/2012 13:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65336 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		50-150
2037-26-5	Toluene-d8 (Surr)	98		50-150
460-00-4	4-Bromofluorobenzene (Surr)	95		50-150
1868-53-7	Dibromofluoromethane (Surr)	89		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149206.D
Lims ID: QCMRL Client ID:
Inject. Date: 16-Nov-2012 13:37:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0015021-005 =240-0015021-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 65336 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121116-15021.b\8260_14.m
Last Update: 20-Nov-2012 14:44:36 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: macenczaks Date: 16-Nov-2012 14:00:27

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1608134	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	888363	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	509947	50.0	
$ 4 BFB	95	4.317	4.538	-0.221	0	2408	0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	59	378796	44.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.553	-0.012	93	442745	48.2	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1302843	49.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	402682	47.7	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
133 Benzyl chloride	126		0.000					
138 Butyl Methacrylate TIC	1		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.441	1.441	0.0	86	47164	5.10	
13 Chloromethane	50	1.607	1.607	0.0	88	83154	5.28	
14 Vinyl chloride	62	1.737	1.737	0.0	83	63655	5.15	
15 Bromomethane	94	2.069	2.069	0.0	91	23652	5.09	
16 Chloroethane	64	2.187	2.187	0.0	93	36304	5.11	
17 Dichlorofluoromethane	67		2.447					9
18 Trichlorofluoromethane	101	2.506	2.506	0.0	85	48970	4.15	
19 Ethyl ether	59	2.885	2.873	0.012	87	5696	0.7183	
25 Methylal	45		2.932					
20 Acrolein	56	3.039	3.039	0.0	94	43459	39.8	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	85	37129	4.02	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	80	35016	3.97	
22 Acetone	43	3.264	3.252	0.012	96	67046	23.1	
24 Iodomethane	142	3.347	3.347	0.0	99	65373	3.97	
26 Carbon disulfide	76	3.418	3.418	0.0	99	65267	3.18	
27 Acetonitrile	41	3.666	3.666	0.0	92	46657	46.5	
29 3-Chloro-1-propene	76		3.690					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
28 Methyl acetate	43	3.761	3.761	0.0	97	68413	10.4	
30 Methylene Chloride	84	3.891	3.891	0.0	89	140467	9.12	
31 2-Methyl-2-propanol	59	4.187	4.199	-0.012	84	36753	79.0	
32 Acrylonitrile	53	4.305	4.305	0.0	96	29449	9.47	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	89	42008	4.05	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	85	82886	3.95	
35 Hexane	86	4.743	4.743	0.0	97	12919	5.29	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	82081	4.13	
39 2-Chloro-1,3-butadiene	53		5.039					9
37 Vinyl acetate	86	5.039	5.039	0.0	96	2774	3.71	
38 Isopropyl ether	87	5.074	5.074	0.0	56	2047	0.2516	
40 Tert-butyl ethyl ether	59		5.524					
61 Ethyl acrylate	55		5.605					9
43 2,2-Dichloropropane	77	5.642	5.642	0.0	65	26106	3.90	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	44942	4.30	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	73	33815	9.44	
44 Propionitrile	54		5.760					
45 Ethyl acetate	43	5.796	5.796	0.0	58	3291	0.5736	
47 Chlorobromomethane	128	5.926	5.926	0.0	88	18790	4.09	
46 Methacrylonitrile	41		5.938					9
48 Tetrahydrofuran	42	5.985	5.985	0.0	86	10775	4.51	
49 Chloroform	83	6.033	6.033	0.0	84	69496	4.17	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	35	50148	3.91	
51 Cyclohexane	56	6.257	6.269	-0.012	96	104370	4.02	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	56324	4.38	
53 Carbon tetrachloride	117	6.388	6.388	0.0	62	41316	3.84	
54 Isobutyl alcohol	41		6.589					
55 Benzene	78	6.601	6.601	0.0	96	155331	4.34	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	83	56043	4.36	
57 Tert-amyl methyl ether	73		6.743					9
58 n-Heptane	100		6.896					
59 n-Butanol	56	7.228	7.228	0.0	37	4786	15.7	
60 Trichloroethene	130	7.240	7.240	0.0	90	43502	4.29	
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83	7.417	7.417	0.0	96	79772	4.04	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	85	38179	4.22	
65 Dibromomethane	93	7.559	7.559	0.0	87	16023	4.08	
64 Methyl methacrylate	41		7.583					9
66 1,4-Dioxane	88	7.595	7.583	0.012	87	9092	178.9	
67 Dichlorobromomethane	83	7.713	7.713	0.0	86	27804	3.74	
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	90	18221	9.19	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	78	28122	4.85	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	95	49429	9.02	
72 Toluene	91	8.411	8.411	0.0	96	141628	4.54	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	87	18576	3.73	
74 Ethyl methacrylate	69	8.683	8.683	0.0	87	16593	3.96	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	88	20233	4.77	
77 Tetrachloroethene	164	8.884	8.884	0.0	88	32637	4.58	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	95	32561	4.39	
78 2-Hexanone	43	8.979	8.979	0.0	96	24083	8.44	
132 n-Butyl acetate	43	9.085	9.085	0.0	0	12201	0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
79 Chlorodibromomethane	129	9.109	9.109	0.0	85	13645	4.40	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	16324	3.95	
81 1-Chlorohexane	91		9.594					
82 Chlorobenzene	112	9.618	9.618	0.0	91	88362	4.31	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	81	25020	3.81	
84 Ethylbenzene	106	9.713	9.713	0.0	98	46365	4.20	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	113602	8.39	
85 o-Xylene	106	10.150	10.150	0.0	94	60824	4.21	
86 Styrene	104	10.162	10.162	0.0	91	70158	3.79	
87 Bromoform	173	10.328	10.316	0.012	93	7035	6.10	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	152529	3.91	
89 Cyclohexanone	55	10.541	10.541	0.0	52	3980	3.12	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	81	20892	4.10	
91 Bromobenzene	156	10.718	10.718	0.0	92	34918	4.22	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	73	7393	4.36	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	56	7330	4.25	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	41398	4.14	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	37835	4.17	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	92	127123	4.00	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	37433	4.30	
97 tert-Butylbenzene	119	11.227	11.227	0.0	89	117126	3.83	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	94	121918	3.89	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	166152	4.02	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	94	78096	4.35	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	80	138953	3.86	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	76	78759	4.23	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	6	5703	0.1867	
105 n-Butylbenzene	91	11.878	11.878	0.0	93	123262	4.08	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	74839	4.31	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	38	2898	4.18	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	96	64023	4.37	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	53293	4.35	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	93	28391	4.24	
111 Naphthalene	128	13.440	13.440	0.0	97	82910	3.95	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	95	46142	4.53	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	83	21089	1.74	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	12422970	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	15113765	0	
S 137 Trihalomethanes, Total	1				0		18.4	
S 11 1,2-Dichloroethene, Total	96				0		8.35	
S 9 1,3-Dichloropropene, Total	75				0		8.58	
S 114 Xylenes, Total	106				0		12.6	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

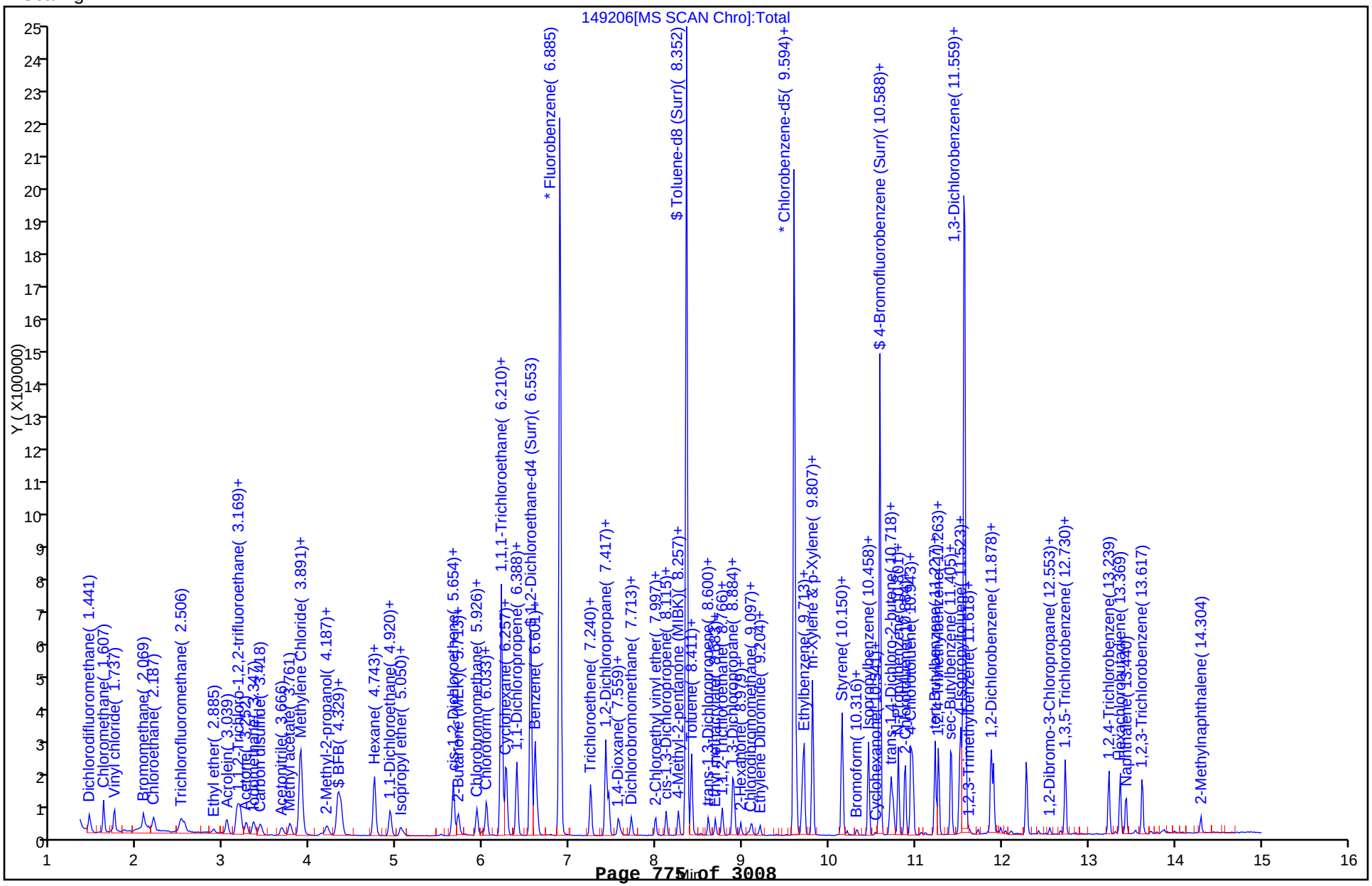
Report Date: 20-Nov-2012 14:44:38 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149206.D

Injection Date:	16-Nov-2012 13:37:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	5
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65336/24

Matrix: Solid | Lab File ID: 149225.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/16/2012 20:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65336 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00444		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00499		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00567		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00476		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00457		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00524		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00948		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00493		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00927	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00959	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00929	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.0236	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00504		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00625		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00449		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00342	^	0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00421		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00500		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00431		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00502		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00541		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00476		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00494		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00454		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00477		0.0010	0.00050	0.00033
100-42-5	Styrene	0.00448		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00506		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00520		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00467		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00469		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00490		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00413		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00530		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00480		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00454		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0144		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-65336/24

Matrix: Solid Lab File ID: 149225.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/16/2012 20:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65336 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		50-150
2037-26-5	Toluene-d8 (Surr)	96		50-150
460-00-4	4-Bromofluorobenzene (Surr)	95		50-150
1868-53-7	Dibromofluoromethane (Surr)	86		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149225.D
Lims ID: QCMRL Client ID:
Inject. Date: 16-Nov-2012 20:26:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0015021-024 =240-0015021-024
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 23
Lims Batch ID: 65336 Lims Sample ID: 24
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121116-15021.b\8260_14.m
Last Update: 20-Nov-2012 14:44:36 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK019

First Level Reviewer: latat Date: 16-Nov-2012 21:02:50

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1661198	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	97	964346	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.570	0.001	99	545216	50.0	
$ 4 BFB	95	4.317	4.538	-0.221	0	2127	0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	87	377854	43.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.553	-0.011	93	454237	47.8	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1381968	47.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	90	428962	47.5	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
133 Benzyl chloride	126		0.000					
138 Butyl Methacrylate TIC	1		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.442	1.441	0.001	86	46928	4.91	
13 Chloromethane	50	1.607	1.607	0.0	89	81751	5.02	
14 Vinyl chloride	62	1.737	1.737	0.0	83	61302	4.80	
15 Bromomethane	94	2.069	2.069	0.0	91	21984	4.49	
16 Chloroethane	64	2.187	2.187	0.0	93	33280	4.54	
17 Dichlorofluoromethane	67		2.447					9
18 Trichlorofluoromethane	101	2.507	2.506	0.001	84	46071	3.78	
19 Ethyl ether	59	2.885	2.873	0.012	72	4161	0.5080	
25 Methylal	45		2.932					9
20 Acrolein	56	3.039	3.039	0.0	95	43653	38.7	
21 1,1-Dichloroethene	96	3.146	3.157	-0.011	84	43671	4.57	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	81	42110	4.62	
22 Acetone	43	3.264	3.252	0.012	96	70501	23.6	
24 Iodomethane	142	3.347	3.347	0.0	98	76054	4.47	
26 Carbon disulfide	76	3.418	3.418	0.0	98	74396	3.42	
27 Acetonitrile	41	3.666	3.666	0.0	97	50375	48.6	
29 3-Chloro-1-propene	76		3.690					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
28 Methyl acetate	43	3.761	3.761	0.0	98	86637	12.7	
30 Methylene Chloride	84	3.891	3.891	0.0	89	104141	4.77	
31 2-Methyl-2-propanol	59	4.199	4.199	0.0	84	43301	90.1	
32 Acrylonitrile	53	4.305	4.305	0.0	77	30950	9.63	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	89	49415	4.61	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	84	98498	4.54	
35 Hexane	86	4.743	4.743	0.0	95	12718	5.04	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	86	97785	4.76	
39 2-Chloro-1,3-butadiene	53		5.039					9
37 Vinyl acetate	86	5.051	5.039	0.012	97	1989	2.77	
38 Isopropyl ether	87	5.074	5.074	0.0	75	1088	0.1294	
40 Tert-butyl ethyl ether	59		5.524					9
61 Ethyl acrylate	55		5.605					9
43 2,2-Dichloropropane	77	5.642	5.642	0.0	62	29202	4.22	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	52518	4.87	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	89	34411	9.27	
44 Propionitrile	54		5.760					
45 Ethyl acetate	43		5.796					9
47 Chlorobromomethane	128	5.926	5.926	0.0	88	22276	4.69	
46 Methacrylonitrile	41		5.938					9
48 Tetrahydrofuran	42	5.985	5.985	0.0	84	12345	5.04	
49 Chloroform	83	6.033	6.033	0.0	84	80382	4.67	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	36	58722	4.44	
51 Cyclohexane	56	6.269	6.269	0.0	96	118316	4.41	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	85	66910	5.04	
53 Carbon tetrachloride	117	6.388	6.388	0.0	58	47538	4.21	
54 Isobutyl alcohol	41	6.601	6.589	0.012	31	2521	10.5	
55 Benzene	78	6.601	6.601	0.0	95	186465	5.04	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	82	69560	5.24	
57 Tert-amyl methyl ether	73		6.743					
58 n-Heptane	100		6.896					
59 n-Butanol	56		7.228					
60 Trichloroethene	130	7.240	7.240	0.0	90	55592	5.30	
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83	7.417	7.417	0.0	97	91629	4.49	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	90	46031	4.93	
65 Dibromomethane	93	7.559	7.559	0.0	87	20129	4.96	
64 Methyl methacrylate	41		7.583					9
66 1,4-Dioxane	88	7.595	7.583	0.012	94	11551	220.1	
67 Dichlorobromomethane	83	7.713	7.713	0.0	90	34501	4.31	
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	91	23808	11.1	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	78	34729	5.41	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	55280	9.29	
72 Toluene	91	8.411	8.411	0.0	91	176336	5.20	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	86	23288	4.13	
74 Ethyl methacrylate	69	8.683	8.683	0.0	92	21470	4.58	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	88	26120	5.67	
77 Tetrachloroethene	164	8.884	8.884	0.0	90	39137	5.06	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	91	42662	5.30	
78 2-Hexanone	43	8.979	8.979	0.0	95	29693	9.59	
132 n-Butyl acetate	43		9.085					14

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
79 Chlorodibromomethane	129	9.109	9.109	0.0	86	16627	4.76	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	21987	4.90	
81 1-Chlorohexane	91	9.594	9.594	0.0	14	2114	0	
82 Chlorobenzene	112	9.618	9.618	0.0	90	111236	5.00	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	81	30278	4.18	
84 Ethylbenzene	106	9.713	9.713	0.0	98	59248	4.94	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	97	143823	9.78	
85 o-Xylene	106	10.151	10.150	0.001	95	72232	4.60	
86 Styrene	104	10.162	10.162	0.0	92	89975	4.48	
87 Bromoform	173	10.316	10.316	0.0	89	8020	6.25	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	190460	4.49	
89 Cyclohexanone	55	10.541	10.541	0.0	8	1211	0.8745	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	79	27153	4.99	
91 Bromobenzene	156	10.719	10.718	0.001	94	45267	5.12	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	75	10022	5.52	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.754	-0.012	50	8716	4.72	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	51311	4.80	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	50170	5.17	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	95	158603	4.66	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	43479	4.67	
97 tert-Butylbenzene	119	11.227	11.227	0.0	90	146737	4.49	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	157251	4.70	
99 sec-Butylbenzene	105	11.405	11.417	-0.012	96	208135	4.71	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	96	90382	4.71	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	87	172299	4.47	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	80	97313	4.89	
103 1,2,3-Trimethylbenzene	105		11.618					
105 n-Butylbenzene	91	11.878	11.878	0.0	93	148007	4.59	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	95	93898	5.06	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	54	3578	4.75	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	97	75339	4.81	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	63189	4.83	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	35778	5.00	
111 Naphthalene	128	13.440	13.440	0.0	97	105481	4.70	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	94	56256	5.17	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	22	2260	0.1747	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	14764380	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	17830366	0	
S 137 Trihalomethanes, Total	1				0		20.0	
S 11 1,2-Dichloroethene, Total	96				0		9.47	
S 9 1,3-Dichloropropene, Total	75				0		9.55	
S 114 Xylenes, Total	106				0		14.4	

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

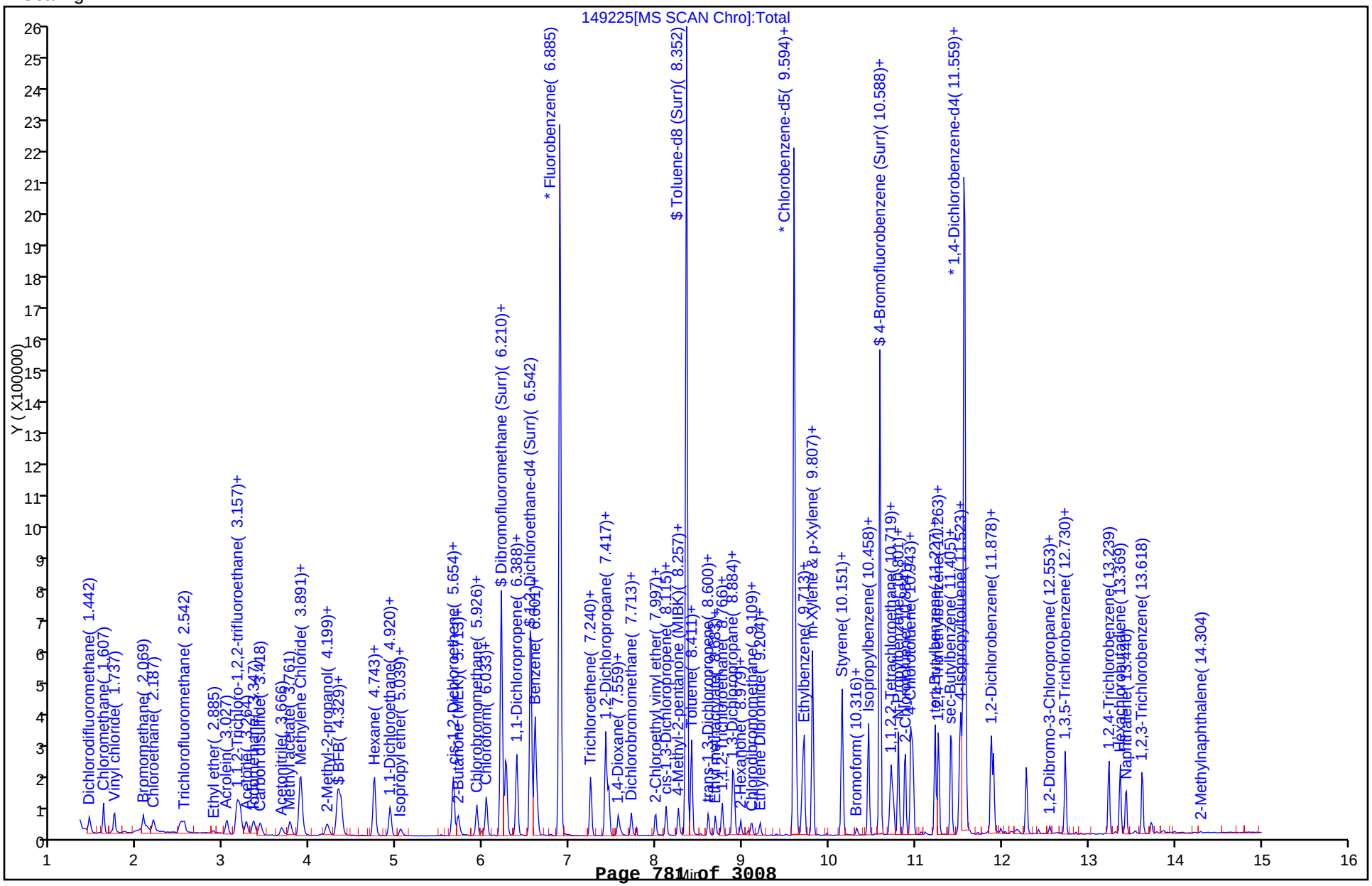
Report Date: 20-Nov-2012 14:44:59 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121116-15021.b\149225.D

Injection Date:	16-Nov-2012 20:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	65336	Lims Sample ID:	24
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS | Lab Sample ID: 240-17477-6 MS

Matrix: Solid | Lab File ID: 149193.D

Analysis Method: 8260B/DoD | Date Collected: 11/09/2012 11:10

Sample wt/vol: 4.266(g) | Date Analyzed: 11/15/2012 19:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 27.5 | Level: (low/med) Low

Analysis Batch No.: 65171 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	83.1		8.1	1.6	0.91
79-34-5	1,1,2,2-Tetrachloroethane	104		8.1	0.81	0.55
79-00-5	1,1,2-Trichloroethane	83.0		8.1	0.81	0.63
75-34-3	1,1-Dichloroethane	82.2		8.1	0.81	0.58
75-35-4	1,1-Dichloroethene	79.5		8.1	1.6	0.84
106-93-4	1,2-Dibromoethane	74.7		8.1	1.6	0.81
107-06-2	1,2-Dichloroethane	74.4		8.1	0.81	0.55
540-59-0	1,2-Dichloroethene, Total	146		16	1.6	1.2
78-87-5	1,2-Dichloropropane	75.5		8.1	1.6	1.1
78-93-3	2-Butanone (MEK)	114		32	3.2	2.3
591-78-6	2-Hexanone	117		32	1.6	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	164		32	1.6	0.87
67-64-1	Acetone	131		32	10	10
71-43-2	Benzene	74.0		8.1	0.81	0.37
74-97-5	Bromochloromethane	75.0		8.1	1.6	1.1
75-27-4	Bromodichloromethane	58.6		8.1	0.81	0.45
75-25-2	Bromoform	51.9		8.1	0.81	0.53
74-83-9	Bromomethane	57.5		8.1	1.6	0.87
75-15-0	Carbon disulfide	52.7		8.1	0.81	0.71
56-23-5	Carbon tetrachloride	71.6		8.1	0.81	0.60
108-90-7	Chlorobenzene	61.2		8.1	0.81	0.53
75-00-3	Chloroethane	74.1		8.1	1.6	1.4
67-66-3	Chloroform	75.5		8.1	0.81	0.47
74-87-3	Chloromethane	81.1		8.1	0.81	0.66
10061-01-5	cis-1,3-Dichloropropene	49.5	J	8.1	0.81	0.55
124-48-1	Dibromochloromethane	62.8		8.1	1.6	0.89
100-41-4	Ethylbenzene	66.7		8.1	0.81	0.42
1634-04-4	Methyl tert-butyl ether	77.5		8.1	0.81	0.70
75-09-2	Methylene Chloride	77.4		8.1	1.6	1.1
100-42-5	Styrene	52.8	J	8.1	0.81	0.24
127-18-4	Tetrachloroethene	69.7		8.1	1.6	0.84
108-88-3	Toluene	75.4		8.1	0.81	0.44
10061-02-6	trans-1,3-Dichloropropene	55.0		8.1	1.6	0.87
79-01-6	Trichloroethene	69.0		8.1	0.81	0.68
75-01-4	Vinyl chloride	76.8		8.1	0.81	0.63
1330-20-7	Xylenes, Total	193		16	2.4	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS Lab Sample ID: 240-17477-6 MS

Matrix: Solid Lab File ID: 149193.D

Analysis Method: 8260B/DoD Date Collected: 11/09/2012 11:10

Sample wt/vol: 4.266(g) Date Analyzed: 11/15/2012 19:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 27.5 Level: (low/med) Low

Analysis Batch No.: 65171 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-130
460-00-4	4-Bromofluorobenzene (Surr)	126	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	93		59-138
2037-26-5	Toluene-d8 (Surr)	108		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149193.D
Lims ID: 240-17477-G-6-A MS Client ID: 079SS-0004M-0002-SO
Inject. Date: 15-Nov-2012 19:31:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-17477-g-6-a ms
Misc. Info.: 240-0014986-025 =240-0014986-025
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 24
Lims Batch ID: 65171 Lims Sample ID: 25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121115-14986.b\8260_14.m
Last Update: 16-Nov-2012 09:58:08 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: macenczaks Date: 16-Nov-2012 09:19:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1232751	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.594	0.001	98	617575	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.570	0.001	98	232874	50.0	s
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	70	301570	46.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.541	0.001	97	327605	46.5	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	993955	53.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	87	243540	62.8	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.442	1.442	0.0	86	316077	44.6	
13 Chloromethane	50	1.607	1.607	0.0	89	606260	50.2	
14 Vinyl chloride	62	1.737	1.737	0.0	83	450154	47.5	
15 Bromomethane	94	2.069	2.069	0.0	91	109872	35.6	
16 Chloroethane	64	2.187	2.187	0.0	93	249331	45.8	
17 Dichlorofluoromethane	67		2.447					9
18 Trichlorofluoromethane	101	2.507	2.507	0.0	86	445722	49.3	
19 Ethyl ether	59	2.873	2.873	0.0	98	302669	49.8	
25 Methylal	45		2.932					
20 Acrolein	56	3.039	3.027	0.012	86	7821	9.34	
21 1,1-Dichloroethene	96	3.146	3.146	0.0	84	348610	49.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	85	357541	52.8	
22 Acetone	43	3.264	3.252	0.012	97	152170	81.2	
24 Iodomethane	142	3.347	3.347	0.0	99	391985	31.1	
26 Carbon disulfide	76	3.418	3.418	0.0	98	672173	32.6	
27 Acetonitrile	41	3.666	3.666	0.0	94	45687	59.4	
29 3-Chloro-1-propene	76		3.690					9
28 Methyl acetate	43	3.761	3.761	0.0	100	402275	79.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methylene Chloride	84	3.879	3.879	0.0	88	379093	47.9	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	88	367308	1029.5	
32 Acrylonitrile	53	4.305	4.305	0.0	96	156050	65.5	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	89	355130	44.6	
34 Methyl tert-butyl ether	73	4.353	4.353	0.0	88	771535	47.9	
35 Hexane	86	4.743	4.743	0.0	96	73795	39.4	
36 1,1-Dichloroethane	63	4.921	4.921	0.001	86	775805	50.9	
39 2-Chloro-1,3-butadiene	53		5.039					9
37 Vinyl acetate	86		5.039					
38 Isopropyl ether	87	5.074	5.074	0.0	95	295576	47.4	
40 Tert-butyl ethyl ether	59		5.524					9
61 Ethyl acrylate	55		5.605					9
43 2,2-Dichloropropane	77	5.642	5.642	0.0	67	281933	54.9	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	75	364579	45.5	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	96	169315	70.3	
44 Propionitrile	54		5.760					
45 Ethyl acetate	43		5.796					
46 Methacrylonitrile	41		5.926					
47 Chlorobromomethane	128	5.926	5.926	0.0	88	163437	46.4	
48 Tetrahydrofuran	42	5.985	5.985	0.0	91	85245	50.1	
49 Chloroform	83	6.033	6.033	0.0	84	596764	46.7	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	92	505303	51.4	
51 Cyclohexane	56	6.258	6.258	0.0	95	876932	44.1	
53 Carbon tetrachloride	117	6.388	6.388	0.0	76	433505	44.3	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	439194	44.6	
54 Isobutyl alcohol	41	6.589	6.589	0.0	92	411629	2300.4	
55 Benzene	78	6.601	6.601	0.0	96	1257003	45.8	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	86	452910	46.0	
57 Tert-amyl methyl ether	73		6.743					
58 n-Heptane	100		6.896					
59 n-Butanol	56		7.228					
60 Trichloroethene	130	7.240	7.240	0.0	92	332338	42.7	
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83	7.417	7.417	0.0	98	563323	37.2	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	86	323570	46.7	
65 Dibromomethane	93	7.559	7.559	0.0	88	135339	44.9	
64 Methyl methacrylate	41		7.571					9
66 1,4-Dioxane	88		7.583					19
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	266671	36.3	
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	89	64237	34.5	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	84	218917	30.6	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	387244	101.7	
72 Toluene	91	8.411	8.411	0.0	91	1012385	46.6	
73 trans-1,3-Dichloropropene	75	8.601	8.601	0.0	90	161388	34.0	
74 Ethyl methacrylate	69		8.683					9
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	151599	51.4	
77 Tetrachloroethene	164	8.885	8.885	0.0	91	213337	43.1	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	93	253985	49.3	
78 2-Hexanone	43	8.979	8.979	0.0	98	143991	72.6	
132 n-Butyl acetate	43		9.085					1
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	126034	38.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	132728	46.2	
81 1-Chlorohexane	91		9.594					
82 Chlorobenzene	112	9.618	9.618	0.0	91	539250	37.9	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	87	238374	44.8	
84 Ethylbenzene	106	9.713	9.713	0.0	98	317208	41.3	
10 m-Xylene & p-Xylene	106	9.808	9.808	0.0	97	748147	79.4	
85 o-Xylene	106	10.151	10.151	0.0	95	403919	40.2	
86 Styrene	104	10.162	10.162	0.0	94	420493	32.7	
87 Bromoform	173	10.316	10.328	-0.012	93	49633	32.1	
88 Isopropylbenzene	105	10.458	10.458	0.0	98	1044229	38.5	
89 Cyclohexanone	55	10.541	10.541	0.0	93	251251	283.3	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	84	149020	64.1	
91 Bromobenzene	156	10.719	10.719	0.0	94	185797	49.2	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	81	51841	66.9	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.754	-0.012	59	60715	77.0	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	234549	51.3	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	204447	49.3	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	87	724103	49.9	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	167580	42.2	
97 tert-Butylbenzene	119	11.227	11.227	0.0	89	684840	49.1	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	660588	46.2	
99 sec-Butylbenzene	105	11.405	11.417	-0.012	95	815867	43.2	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	92	293708	35.8	
101 4-Isopropyltoluene	119	11.523	11.535	-0.012	82	765804	46.5	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	92	271880	32.0	
103 1,2,3-Trimethylbenzene	105	11.618	11.630	-0.012	90	662325	47.5	
105 n-Butylbenzene	91	11.878	11.878	0.0	93	443449	32.2	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	261597	33.0	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	67	16877	44.8	
108 1,3,5-Trichlorobenzene	180		12.730					
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	91	99376	17.8	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	93	56848	18.6	
111 Naphthalene	128	13.440	13.440	0.0	97	191680	20.0	
112 1,2,3-Trichlorobenzene	180	13.618	13.630	-0.012	92	78279	16.8	
113 2-Methylnaphthalene	142		14.304					9
A 140 C6-C10	1	7.589	3.915 - 11.263		0	82012040	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	95998254	0	
S 137 Trihalomethanes, Total	1				0		153.9	
S 11 1,2-Dichloroethene, Total	96				0		90.1	
S 9 1,3-Dichloropropene, Total	75				0		64.6	
S 114 Xylenes, Total	106				0		119.6	

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

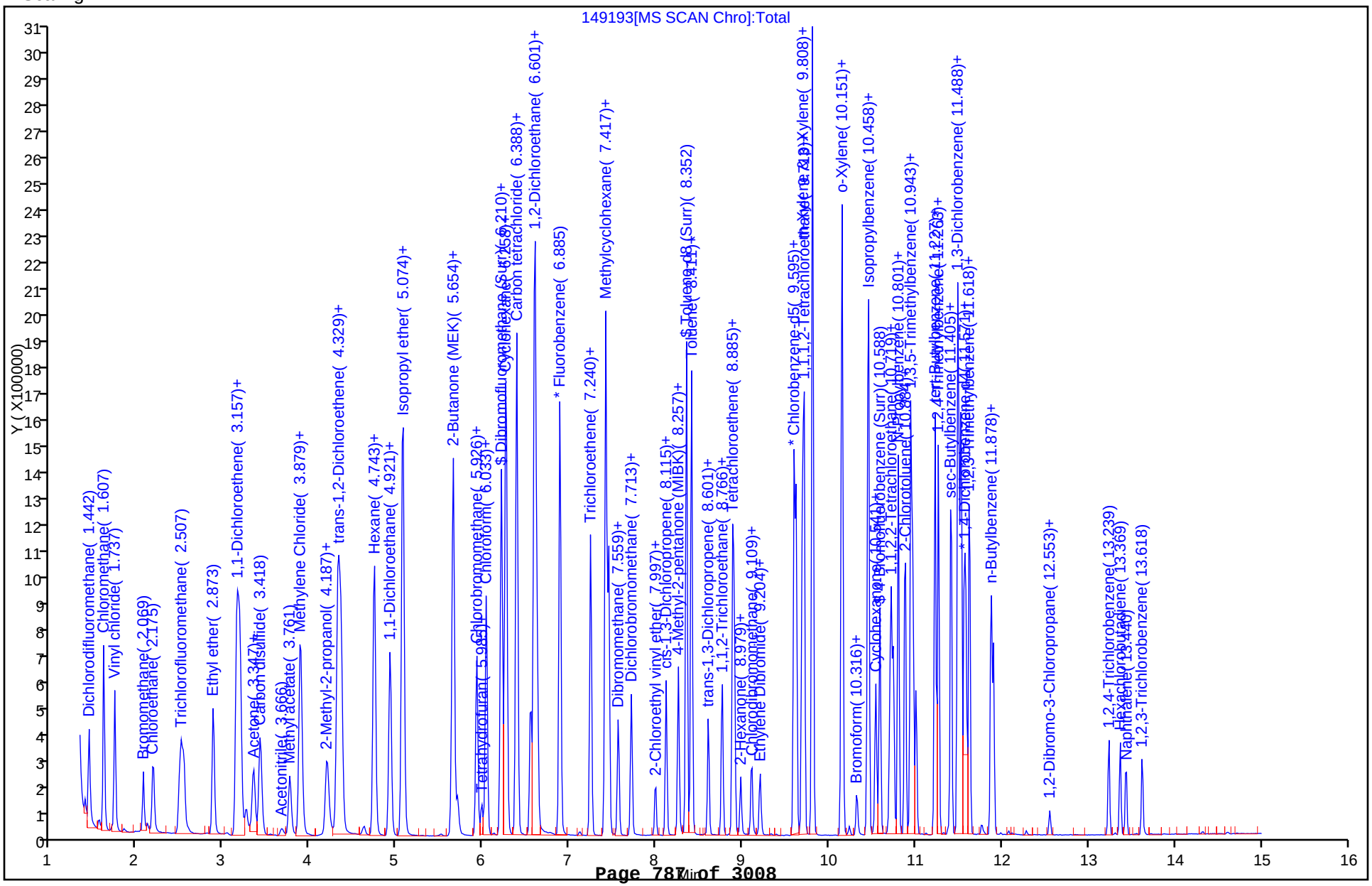
Report Date: 16-Nov-2012 09:58:18 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149193.D

Injection Date:	15-Nov-2012 19:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	25
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD | Lab Sample ID: 240-17477-6 MSD

Matrix: Solid | Lab File ID: 149194.D

Analysis Method: 8260B/DoD | Date Collected: 11/09/2012 11:10

Sample wt/vol: 3.943(g) | Date Analyzed: 11/15/2012 19:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 27.5 | Level: (low/med) Low

Analysis Batch No.: 65171 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	616	J	8.7	1.7	0.98
79-34-5	1,1,2,2-Tetrachloroethane	243	J	8.7	0.87	0.59
79-00-5	1,1,2-Trichloroethane	274	J	8.7	0.87	0.68
75-34-3	1,1-Dichloroethane	515	J	8.7	0.87	0.63
75-35-4	1,1-Dichloroethene	671	J	8.7	1.7	0.91
106-93-4	1,2-Dibromoethane	223	J	8.7	1.7	0.87
107-06-2	1,2-Dichloroethane	272	J	8.7	0.87	0.59
540-59-0	1,2-Dichloroethene, Total	901	J	17	1.7	1.3
78-87-5	1,2-Dichloropropane	370	J	8.7	1.7	1.2
78-93-3	2-Butanone (MEK)	337	J	35	3.5	2.4
591-78-6	2-Hexanone	317	J	35	1.7	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	313	J	35	1.7	0.94
67-64-1	Acetone	381	J	35	11	11
71-43-2	Benzene	438	J	8.7	0.87	0.40
74-97-5	Bromochloromethane	251	J	8.7	1.7	1.2
75-27-4	Bromodichloromethane	185	J	8.7	0.87	0.49
75-25-2	Bromoform	106	J	8.7	0.87	0.58
74-83-9	Bromomethane	909	J	8.7	1.7	0.94
75-15-0	Carbon disulfide	422	J	8.7	0.87	0.77
56-23-5	Carbon tetrachloride	479	J	8.7	0.87	0.65
108-90-7	Chlorobenzene	262	J	8.7	0.87	0.58
75-00-3	Chloroethane	733	J	8.7	1.7	1.5
67-66-3	Chloroform	398	J	8.7	0.87	0.51
74-87-3	Chloromethane	687	J	8.7	0.87	0.72
10061-01-5	cis-1,3-Dichloropropene	161	J	8.7	0.87	0.59
124-48-1	Dibromochloromethane	158	J	8.7	1.7	0.96
100-41-4	Ethylbenzene	301	J	8.7	0.87	0.45
1634-04-4	Methyl tert-butyl ether	197	J	8.7	0.87	0.75
75-09-2	Methylene Chloride	415	J	8.7	1.7	1.2
100-42-5	Styrene	164	J	8.7	0.87	0.26
127-18-4	Tetrachloroethene	481	J	8.7	1.7	0.91
108-88-3	Toluene	411	J	8.7	0.87	0.47
10061-02-6	trans-1,3-Dichloropropene	160	J	8.7	1.7	0.94
79-01-6	Trichloroethene	426	J	8.7	0.87	0.73
75-01-4	Vinyl chloride	758	J	8.7	0.87	0.68
1330-20-7	Xylenes, Total	791	J	17	2.6	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD Lab Sample ID: 240-17477-6 MSD

Matrix: Solid Lab File ID: 149194.D

Analysis Method: 8260B/DoD Date Collected: 11/09/2012 11:10

Sample wt/vol: 3.943(g) Date Analyzed: 11/15/2012 19:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 27.5 Level: (low/med) Low

Analysis Batch No.: 65171 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		61-130
460-00-4	4-Bromofluorobenzene (Surr)	96		85-120
1868-53-7	Dibromofluoromethane (Surr)	78		59-138
2037-26-5	Toluene-d8 (Surr)	86		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149194.D
Lims ID: 240-17477-I-6-A MSD Client ID: 079SS-0004M-0002-SO
Inject. Date: 15-Nov-2012 19:53:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-17477-i-6-a msd
Misc. Info.: 240-0014986-026 =240-0014986-026
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 25
Lims Batch ID: 65171 Lims Sample ID: 26
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121115-14986.b\8260_14.m
Last Update: 16-Nov-2012 09:58:08 Calib Date: 13-Nov-2012 22:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121113-14916.b\149122.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: macenczaks Date: 16-Nov-2012 09:21:28

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	96	13714	50.0	s
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	70	6776	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	85	2699	50.0	s
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	1	2845	39.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.541	0.0	86	3284	41.7	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	62	8794	43.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	54	2148	48.0	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.441	1.442	-0.001	86	34267	434.7	E
13 Chloromethane	50	1.607	1.607	0.0	88	52752	392.6	E
14 Vinyl chloride	62	1.725	1.737	-0.012	83	45664	433.5	E
15 Bromomethane	94	2.080	2.069	0.011	89	17431	519.9	E
16 Chloroethane	64	2.199	2.187	0.012	90	25390	419.4	E
17 Dichlorofluoromethane	67		2.447					
18 Trichlorofluoromethane	101	2.506	2.507	-0.001	85	61818	614.9	E
19 Ethyl ether	59	2.873	2.873	0.0	87	10531	155.7	
25 Methylal	45		2.932					9
20 Acrolein	56		3.027					9
21 1,1-Dichloroethene	96	3.157	3.146	0.011	86	30260	383.8	E
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.181	0.012	81	32997	438.3	E
22 Acetone	43	3.264	3.252	0.012	82	4327	217.7	
24 Iodomethane	142	3.347	3.347	0.0	98	35973	256.2	E
26 Carbon disulfide	76	3.429	3.418	0.011	99	56592	241.6	
27 Acetonitrile	41	3.666	3.666	0.0	69	1978	231.1	
29 3-Chloro-1-propene	76		3.690					
28 Methyl acetate	43	3.761	3.761	0.0	99	9394	167.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methylene Chloride	84	3.891	3.879	0.012	87	18978	237.4	
31 2-Methyl-2-propanol	59		4.187					
32 Acrylonitrile	53	4.293	4.305	-0.012	40	4146	156.3	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	25724	290.6	E
34 Methyl tert-butyl ether	73	4.341	4.353	-0.012	84	20174	112.7	
35 Hexane	86	4.743	4.743	0.0	95	7473	358.6	E
36 1,1-Dichloroethane	63	4.920	4.921	0.0	86	49980	294.5	E
39 2-Chloro-1,3-butadiene	53		5.039					
37 Vinyl acetate	86		5.039					
38 Isopropyl ether	87	5.062	5.074	-0.012	93	11909	171.6	
40 Tert-butyl ethyl ether	59		5.524					
61 Ethyl acrylate	55		5.605					
43 2,2-Dichloropropane	77	5.642	5.642	0.0	69	31928	559.3	E
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	77	20020	224.7	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	66	5091	192.6	
44 Propionitrile	54		5.760					
45 Ethyl acetate	43		5.796					9
46 Methacrylonitrile	41		5.926					9
47 Chlorobromomethane	128	5.926	5.926	0.0	80	5636	143.8	
48 Tetrahydrofuran	42	5.997	5.985	0.012	72	2576	136.9	
49 Chloroform	83	6.033	6.033	0.0	83	32383	227.7	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	88	38473	352.1	E
51 Cyclohexane	56	6.257	6.258	-0.001	97	72462	327.2	E
53 Carbon tetrachloride	117	6.388	6.388	0.0	76	30216	274.0	E
52 1,1-Dichloropropene	75	6.388	6.388	0.0	81	33424	305.0	E
54 Isobutyl alcohol	41	6.565	6.589	-0.024	78	9361	4702.5	
55 Benzene	78	6.601	6.601	0.0	95	76520	250.6	E
56 1,2-Dichloroethane	62	6.624	6.624	0.0	86	17057	155.7	
57 Tert-amyl methyl ether	73		6.743					
58 n-Heptane	100		6.896					
59 n-Butanol	56		7.228					
60 Trichloroethene	130	7.240	7.240	0.0	90	21098	243.8	
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83	7.417	7.417	0.0	96	46298	274.9	E
62 1,2-Dichloropropane	63	7.453	7.453	0.0	83	16302	211.5	
65 Dibromomethane	93	7.559	7.559	0.0	81	4076	121.7	
64 Methyl methacrylate	41		7.571					
66 1,4-Dioxane	88		7.583					
67 Dichlorobromomethane	83	7.713	7.713	0.0	87	8815	106.0	
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	60	1504	69.3	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	57	7977	92.3	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	81	7483	179.0	
72 Toluene	91	8.411	8.411	0.0	97	55964	235.0	
73 trans-1,3-Dichloropropene	75	8.600	8.601	-0.001	79	4866	91.6	
74 Ethyl methacrylate	69		8.683					
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	83	5074	156.7	
77 Tetrachloroethene	164	8.884	8.885	-0.001	87	14931	274.9	E
76 1,3-Dichloropropane	76	8.908	8.908	0.0	81	8625	152.5	
78 2-Hexanone	43	8.979	8.979	0.0	68	3945	181.3	
132 n-Butyl acetate	43		9.085					1
79 Chlorodibromomethane	129	9.109	9.109	0.0	49	3447	90.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
123 Ethylene Dibromide	107	9.204	9.204	0.0	62	4018	127.5	
81 1-Chlorohexane	91		9.594					
82 Chlorobenzene	112	9.618	9.618	0.0	90	23439	150.0	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	79	7161	121.7	
84 Ethylbenzene	106	9.713	9.713	0.0	98	14496	172.0	
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	97	33213	321.4	
85 o-Xylene	106	10.150	10.151	-0.001	90	14470	131.2	
86 Styrene	104	10.162	10.162	0.0	88	13244	93.8	
87 Bromoform	173	10.316	10.328	-0.012	36	1120	60.3	
88 Isopropylbenzene	105	10.458	10.458	0.0	95	43248	145.2	
89 Cyclohexanone	55	10.541	10.541	0.0	72	4450	457.4	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	68	3741	138.8	
91 Bromobenzene	156	10.718	10.719	-0.001	86	6438	147.1	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	51	1289	143.5	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.754	-0.012	22	2149	235.3	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	9079	171.5	
95 2-Chlorotoluene	126	10.884	10.884	0.0	95	8361	174.0	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	83	23015	136.7	
104 4-Chlorotoluene	126	10.967	10.967	0.0	94	5589	121.4	
97 tert-Butylbenzene	119	11.227	11.227	0.0	90	27030	167.2	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	75	19235	116.0	
99 sec-Butylbenzene	105	11.417	11.417	0.0	85	33168	151.7	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	88	10836	114.1	
101 4-Isopropyltoluene	119	11.523	11.535	-0.012	91	24253	127.2	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	85	9293	94.4	
103 1,2,3-Trimethylbenzene	105	11.618	11.630	-0.012	84	17144	106.0	
105 n-Butylbenzene	91	11.878	11.878	0.0	91	14485	90.7	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	87	7766	84.6	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	1	357	77.9	
108 1,3,5-Trichlorobenzene	180		12.730					
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	61	3250	50.1	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	65	2890	81.6	
111 Naphthalene	128	13.440	13.440	0.0	41	3722	33.5	
112 1,2,3-Trichlorobenzene	180	13.629	13.630	-0.001	48	3226	59.8	
113 2-Methylnaphthalene	142		14.304					
A 140 C6-C10	1	7.589	3.915 - 11.263		0	4391920	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	4853096	0	
S 137 Trihalomethanes, Total	1				0		484.1	
S 11 1,2-Dichloroethene, Total	96				0		515.3	
S 9 1,3-Dichloropropene, Total	75				0		183.8	
S 114 Xylenes, Total	106				0		452.6	

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount
9 - Failed A Reference Spectral Test
s - Failed ISTD Recovery Test

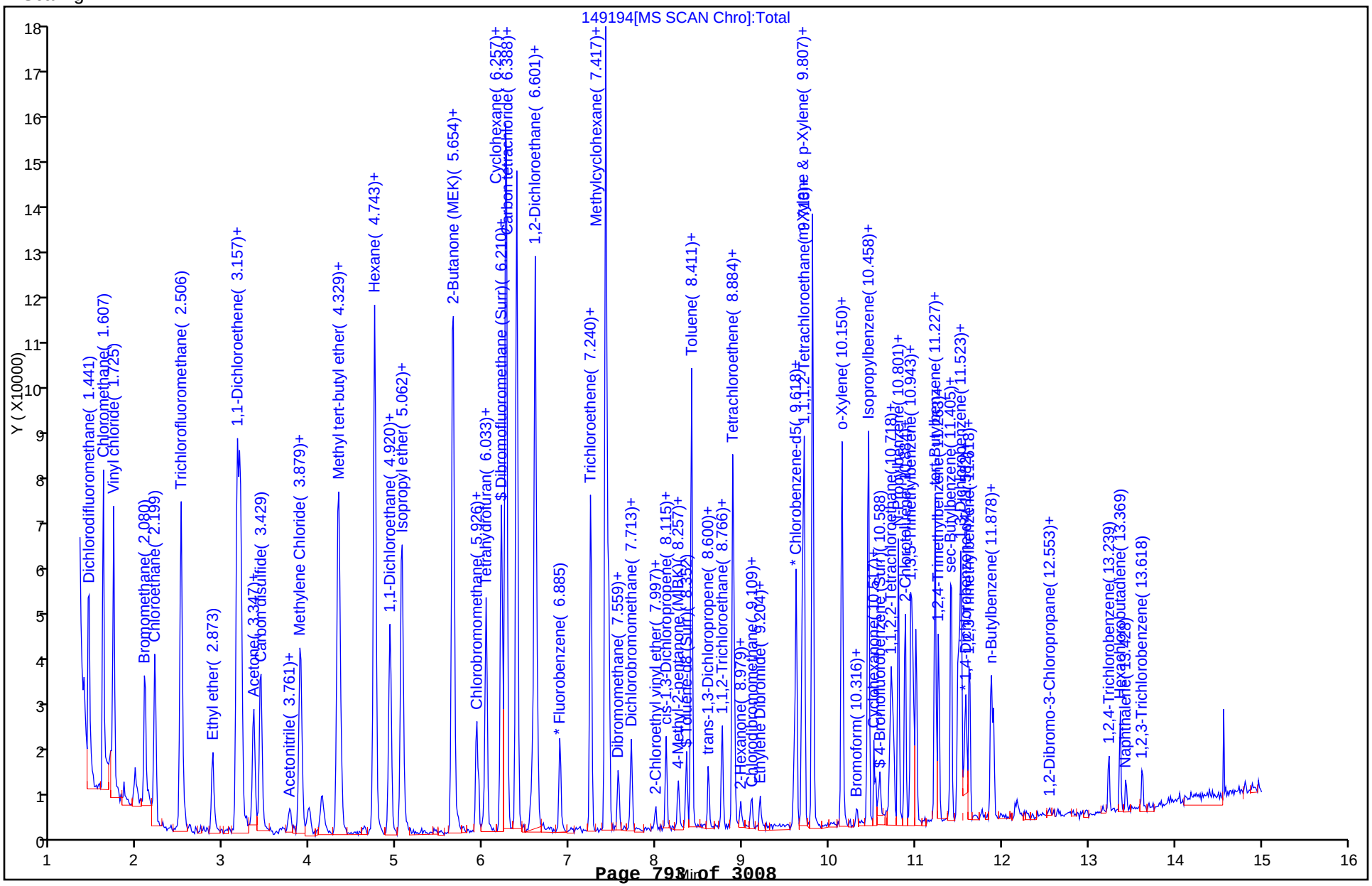
Report Date: 16-Nov-2012 09:58:19 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121115-14986.b\149194.D

Injection Date:	15-Nov-2012 19:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A3UX14
Lims Batch ID:	65171	Lims Sample ID:	26
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A3UX10 Start Date: 11/12/2012 13:44

Analysis Batch Number: 64678 End Date: 11/12/2012 19:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-64678/1		11/12/2012 13:44	1	BFB5043.D	DB-624 0.18(mm)
STD8260 240-64678/2 IC		11/12/2012 15:10	1	UXX0846.D	DB-624 0.18(mm)
STD8260 240-64678/3 IC		11/12/2012 15:33	1	UXX0847.D	DB-624 0.18(mm)
STD8260 240-64678/4 ICIS		11/12/2012 15:55	1	UXX0848.D	DB-624 0.18(mm)
STD8260 240-64678/5 IC		11/12/2012 16:17	1	UXX0849.D	DB-624 0.18(mm)
STD8260 240-64678/6 IC		11/12/2012 16:40	1	UXX0850.D	DB-624 0.18(mm)
STD8260 240-64678/7 IC		11/12/2012 17:02	1	UXX0851.D	DB-624 0.18(mm)
STDA9 240-64678/8 IC		11/12/2012 17:24	1	UXX0852.D	DB-624 0.18(mm)
STDA9 240-64678/9 IC		11/12/2012 17:46	1	UXX0853.D	DB-624 0.18(mm)
STDA9 240-64678/10 IC		11/12/2012 18:09	1	UXX0854.D	DB-624 0.18(mm)
STDA9 240-64678/11 IC		11/12/2012 18:31	1	UXX0855.D	DB-624 0.18(mm)
STDA9 240-64678/12 IC		11/12/2012 18:53	1	UXX0856.D	DB-624 0.18(mm)
STDA9 240-64678/13 IC		11/12/2012 19:16	1	UXX0857.D	DB-624 0.18(mm)
ICV 240-64678/14		11/12/2012 19:38	1	UXX0858.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A3UX10 Start Date: 11/13/2012 10:58

Analysis Batch Number: 64831 End Date: 11/13/2012 15:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-64831/1		11/13/2012 10:58	1	BFB5045.D	DB-624 0.18(mm)
CCV 240-64831/2		11/13/2012 11:25	1	UXX0862.D	DB-624 0.18(mm)
CCV 240-64831/3		11/13/2012 11:47	1	UXX0863.D	DB-624 0.18(mm)
LCS 240-64831/4		11/13/2012 12:10	1	UXX0864.D	DB-624 0.18(mm)
MRL 240-64831/5		11/13/2012 12:33	1	UXX0865.D	DB-624 0.18(mm)
MB 240-64831/6		11/13/2012 12:55	1	UXX0866.D	DB-624 0.18(mm)
ZZZZZ		11/13/2012 13:37	1		DB-624 0.18(mm)
ZZZZZ		11/13/2012 13:59	1		DB-624 0.18(mm)
ZZZZZ		11/13/2012 14:20	1		DB-624 0.18(mm)
ZZZZZ		11/13/2012 14:43	1		DB-624 0.18(mm)
240-17477-8	079SS-0006-0001-TB	11/13/2012 15:05	1	UXX0871.D	DB-624 0.18(mm)
MRL 240-64831/12		11/13/2012 15:27	1	UXX0872.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A3UX14 Start Date: 11/13/2012 16:10

Analysis Batch Number: 64859 End Date: 11/14/2012 00:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-64859/27		11/13/2012 16:10	1	BFB14279.D	DB-624 0.18(mm)
IC 240-64859/3		11/13/2012 16:53	1	149105.D	DB-624 0.18(mm)
IC 240-64859/4		11/13/2012 17:15	1	149106.D	DB-624 0.18(mm)
IC 240-64859/5		11/13/2012 17:36	1	149107.D	DB-624 0.18(mm)
ICIS 240-64859/6		11/13/2012 17:58	1	149108.D	DB-624 0.18(mm)
IC 240-64859/7		11/13/2012 18:19	1	149109.D	DB-624 0.18(mm)
IC 240-64859/8		11/13/2012 18:41	1	149110.D	DB-624 0.18(mm)
IC 240-64859/9		11/13/2012 19:02	1	149111.D	DB-624 0.18(mm)
IC 240-64859/10		11/13/2012 19:24	1	149112.D	DB-624 0.18(mm)
IC 240-64859/11		11/13/2012 19:45	1	149113.D	DB-624 0.18(mm)
IC 240-64859/12		11/13/2012 20:07	1		DB-624 0.18(mm)
IC 240-64859/13		11/13/2012 20:28	1		DB-624 0.18(mm)
IC 240-64859/14		11/13/2012 20:50	1		DB-624 0.18(mm)
IC 240-64859/15		11/13/2012 21:12	1		DB-624 0.18(mm)
IC 240-64859/16		11/13/2012 21:33	1		DB-624 0.18(mm)
IC 240-64859/17		11/13/2012 21:55	1		DB-624 0.18(mm)
IC 240-64859/18		11/13/2012 22:16	1		DB-624 0.18(mm)
IC 240-64859/19		11/13/2012 22:38	1		DB-624 0.18(mm)
IC 240-64859/20		11/13/2012 22:59	1		DB-624 0.18(mm)
ICV 240-64859/21		11/13/2012 23:21	1	149123.D	DB-624 0.18(mm)
ZZZZZ		11/13/2012 23:42	1		DB-624 0.18(mm)
ZZZZZ		11/14/2012 00:04	1		DB-624 0.18(mm)
ZZZZZ		11/14/2012 00:25	1		DB-624 0.18(mm)
ZZZZZ		11/14/2012 00:47	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A3UX14 Start Date: 11/15/2012 10:54

Analysis Batch Number: 65171 End Date: 11/15/2012 21:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-65171/1		11/15/2012 10:54	1	BFB14281.D	DB-624 0.18(mm)
CCV 240-65171/3		11/15/2012 11:37	1	149171.D	DB-624 0.18(mm)
CCV 240-65171/4		11/15/2012 11:58	1	149172.D	DB-624 0.18(mm)
MRL 240-65171/5		11/15/2012 12:20	1	149173.D	DB-624 0.18(mm)
LCS 240-65171/7		11/15/2012 13:03	1	149175.D	DB-624 0.18(mm)
MB 240-65171/8		11/15/2012 13:25	1	149176.D	DB-624 0.18(mm)
ZZZZZ		11/15/2012 14:08	1		DB-624 0.18(mm)
ZZZZZ		11/15/2012 14:30	1		DB-624 0.18(mm)
ZZZZZ		11/15/2012 15:13	1		DB-624 0.18(mm)
ZZZZZ		11/15/2012 15:34	1		DB-624 0.18(mm)
ZZZZZ		11/15/2012 15:56	1		DB-624 0.18(mm)
ZZZZZ		11/15/2012 16:39	1		DB-624 0.18(mm)
ZZZZZ		11/15/2012 17:01	1		DB-624 0.18(mm)
ZZZZZ		11/15/2012 17:22	1		DB-624 0.18(mm)
ZZZZZ		11/15/2012 17:44	1		DB-624 0.18(mm)
ZZZZZ		11/15/2012 18:05	1		DB-624 0.18(mm)
ZZZZZ		11/15/2012 18:27	1		DB-624 0.18(mm)
ZZZZZ		11/15/2012 18:48	1		DB-624 0.18(mm)
240-17477-6	079SS-0004M-0001-SO	11/15/2012 19:10	1	149192.D	DB-624 0.18(mm)
240-17477-6 MS	079SS-0004M-0001-SO MS	11/15/2012 19:31	1	149193.D	DB-624 0.18(mm)
240-17477-6 MSD	079SS-0004M-0001-SO MSD	11/15/2012 19:53	1	149194.D	DB-624 0.18(mm)
ZZZZZ		11/15/2012 20:36	1		DB-624 0.18(mm)
MRL 240-65171/29		11/15/2012 21:17	1	149197.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A3UX14 Start Date: 11/16/2012 12:11

Analysis Batch Number: 65336 End Date: 11/16/2012 20:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-65336/1		11/16/2012 12:11	1	BFB14282.D	DB-624 0.18(mm)
CCV 240-65336/3		11/16/2012 12:53	1	149204.D	DB-624 0.18(mm)
CCV 240-65336/4		11/16/2012 13:15	1	149205.D	DB-624 0.18(mm)
MRL 240-65336/5		11/16/2012 13:37	1	149206.D	DB-624 0.18(mm)
MDLV 240-65336/6		11/16/2012 13:58	1		DB-624 0.18(mm)
LCS 240-65336/7		11/16/2012 14:20	1	149208.D	DB-624 0.18(mm)
MB 240-65336/8		11/16/2012 14:41	1	149209.D	DB-624 0.18(mm)
240-17477-7	079SS-0005M-0001-SO	11/16/2012 20:05	1	149224.D	DB-624 0.18(mm)
MRL 240-65336/24		11/16/2012 20:26	1	149225.D	DB-624 0.18(mm)
MDLV 240-65336/25		11/16/2012 20:51	1		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 64955 Batch Start Date: 11/14/12 10:45 Batch Analyst: Mancine, Louis

Batch Method: 5035 Batch End Date: 11/14/12 11:53

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	AnalysisComment	
240-17477-E-6	079SS-0004M-0001-SO	5035, 8260B/DoD	T	+029.755 g	33.82 g	4.065 g	5 mL	Preserved on 11/09/2012 @ 20:15	
240-17477-G-6 MS	079SS-0004M-0001-SO	5035, 8260B/DoD	T	+030.024 g	34.29 g	4.266 g	5 mL	Preserved on 11/09/2012 @ 20:15	
240-17477-I-6 MSD	079SS-0004M-0001-SO	5035, 8260B/DoD	T	+030.287 g	34.23 g	3.943 g	5 mL	Preserved on 11/09/2012 @ 20:15	
240-17477-C-7	079SS-0005M-0001-SO	5035, 8260B/DoD	T	+030.688 g	35.73 g	5.042 g	5 mL	Preserved on 11/09/2012 @ 20:15	

Batch Notes	

Basis	Basis Description
T	Total/NA

Method 8270C DOD

Semivolatile Compounds (GC/MS) by Method 8270/DOD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
079SS-0004M-0001-SO	240-17477-6	67	70	58	58	69	66
079SS-0004M-0001-SO RE	240-17477-6 RE	74	74	60	61	75	72
079SS-0005M-0001-SO	240-17477-7	87	87	72	69	82	81
079SS-0005M-0001-SO RE	240-17477-7 RE	80	81	62	65	84	74
	MB 240-65933/23-A	81	86	78	76	56	93
	MB 240-67436/23-A	76	77	69	65	58	77
	LCS 240-65933/24-A	74	75	72	68	73	77
	LCS 240-67436/24-A	76	78	65	63	79	75
079SS-0004M-0001-SO MS	240-17477-6 MS	76	79	72	66	77	69
079SS-0004M-0001-SO MS RE	240-17477-6 MS RE	72	76	60	66	86	73
079SS-0004M-0001-SO MSD	240-17477-6 MSD	75	77	71	67	78	71
079SS-0004M-0001-SO MSD RE	240-17477-6 MSD RE	72	72	61	63	84	71

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl (Surr)	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
068SW-0013-0001-SW	240-17477-1	66	69	71	69	51	77
068SW-0014-0001-SW	240-17477-2	75	77	71	70	73	72
068SW-0015-0001-SW	240-17477-3	69	71	70	67	68	69
068SW-0016-0001-SW	240-17477-4	71	73	68	67	71	70
	MB 240-64920/23-A	79	82	75	74	71	82
	LCS 240-64920/24-A	84	85	75	74	79	81
068SW-0016-0001-SW MS	240-17477-4 MS	57	61	54	58	71	73
068SW-0016-0001-SW MSD	240-17477-4 MSD	78	80	70	70	73	60

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	20-110
PHL = Phenol-d5 (Surr)	10-115
NBZ = Nitrobenzene-d5 (Surr)	40-110
FBP = 2-Fluorobiphenyl (Surr)	50-110
TBP = 2,4,6-Tribromophenol (Surr)	40-125
TPH = Terphenyl-d14 (Surr)	50-135

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
	MRL 240-67070/13	100	101 Q	98	94	101	93
	MRL 240-67070/24	103	104 Q	100	95	110	95
	MRL 240-67729/3	108 Q	113 Q	109 Q	107 Q	108	106
	MRL 240-67729/15	103	110 Q	99	101	112	100

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	50-150
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
	MRL 240-65294/3	97	100	93	100	95	101
	MRL 240-65294/19	99	94	92	98	99	100

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	70-130
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21116005.D

Lab ID: LCS 240-64920/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	20.0	15.8	79	45-110	
Acenaphthylene	20.0	15.6	78	50-105	
Anthracene	20.0	15.2	76	55-110	
Benzo[a]anthracene	20.0	14.1	71	55-110	
Benzo[a]pyrene	20.0	12.1	61	55-110	
Benzo[b]fluoranthene	20.0	13.2	66	45-120	
Benzo[g,h,i]perylene	20.0	14.3	72	40-125	
Benzoic acid	20.0	11.2 J	56	0-125	
Benzo[k]fluoranthene	20.0	14.8	74	45-125	
Benzyl alcohol	20.0	16.7	84	30-110	
Bis(2-chloroethoxy)methane	20.0	15.7	78	45-105	
Bis(2-chloroethyl)ether	20.0	17.0	85	35-110	
bis (2-chloroisopropyl) ether	20.0	16.6	83	25-130	
Bis(2-ethylhexyl) phthalate	20.0	18.9	95	40-125	
4-Bromophenyl phenyl ether	20.0	15.8	79	50-115	
Butyl benzyl phthalate	20.0	14.6	73	45-115	
Carbazole	20.0	15.5	78	50-115	
4-Chloroaniline	20.0	13.0	65	15-110	
4-Chloro-3-methylphenol	20.0	16.1	80	45-110	
2-Chloronaphthalene	20.0	15.5	77	50-105	
2-Chlorophenol	20.0	16.9	84	35-105	
4-Chlorophenyl phenyl ether	20.0	15.4	77	50-110	
Chrysene	20.0	15.2	76	55-110	
Dibenz(a,h)anthracene	20.0	14.8	74	40-125	
Dibenzofuran	20.0	15.4	77	55-105	
1,4-Dichlorobenzene	20.0	16.2	81	30-100	
1,2-Dichlorobenzene	20.0	15.9	80	35-100	
1,3-Dichlorobenzene	20.0	15.5	78	30-100	
3,3'-Dichlorobenzidine	20.0	8.65	43	20-110	
2,4-Dichlorophenol	20.0	16.3	82	50-105	
Diethyl phthalate	20.0	15.8	79	40-120	
2,4-Dimethylphenol	20.0	11.7	59	30-110	
Dimethyl phthalate	20.0	15.8	79	25-125	
Di-n-butyl phthalate	20.0	15.6	78	55-115	
4,6-Dinitro-2-methylphenol	20.0	15.6	78	40-130	
2,4-Dinitrophenol	20.0	12.1	60	15-140	
2,4-Dinitrotoluene	20.0	16.5	83	50-120	
2,6-Dinitrotoluene	20.0	16.9	84	50-115	
Di-n-octyl phthalate	20.0	14.4	72	35-135	
Fluoranthene	20.0	15.8	79	55-115	
Fluorene	20.0	15.4	77	50-110	
Hexachlorobenzene	20.0	14.7	74	50-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21116005.D

Lab ID: LCS 240-64920/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	20.0	14.2	71	25-105	
Hexachloroethane	20.0	15.3	76	30-95	
Indeno[1,2,3-cd]pyrene	20.0	14.5	72	45-125	
Isophorone	20.0	16.3	82	50-110	
2-Methylnaphthalene	20.0	15.8	79	45-105	
2-Methylphenol	20.0	16.6	83	40-110	
3 & 4 Methylphenol	40.0	33.4	84	30-110	
Naphthalene	20.0	15.8	79	40-100	
2-Nitroaniline	20.0	16.1	80	50-115	
3-Nitroaniline	20.0	14.8	74	20-125	
4-Nitroaniline	20.0	16.0	80	35-120	
Nitrobenzene	20.0	15.9	79	45-110	
2-Nitrophenol	20.0	16.3	81	40-115	
4-Nitrophenol	20.0	15.1	76	0-125	
N-Nitrosodi-n-propylamine	20.0	16.6	83	35-130	
N-Nitrosodiphenylamine	20.0	15.1	76	50-110	
Pentachlorophenol	20.0	10.5	52	40-115	
Phenanthrene	20.0	15.4	77	50-115	
Phenol	20.0	16.8	84	0-115	
Pyrene	20.0	14.5	73	50-130	
1,2,4-Trichlorobenzene	20.0	14.5	72	35-105	
2,4,5-Trichlorophenol	20.0	15.3	76	50-110	
2,4,6-Trichlorophenol	20.0	15.7	79	50-115	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21203015.D

Lab ID: LCS 240-65933/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	497	75	45-110	
Acenaphthylene	667	494	74	45-105	
Anthracene	667	487	73	55-105	
Benzo[a]anthracene	667	485	73	50-110	
Benzo[a]pyrene	667	451	68	50-110	
Benzo[b]fluoranthene	667	498	75	45-115	
Benzo[g,h,i]perylene	667	502	75	40-125	
Benzoic acid	667	502 J	75	0-110	
Benzo[k]fluoranthene	667	513	77	45-125	
Benzyl alcohol	667	455	68	20-125	
Bis(2-chloroethoxy)methane	667	489	73	45-110	
Bis(2-chloroethyl)ether	667	475	71	40-105	
bis (2-chloroisopropyl) ether	667	467	70	20-115	
Bis(2-ethylhexyl) phthalate	667	518	78	45-125	
4-Bromophenyl phenyl ether	667	523	78	45-115	
Butyl benzyl phthalate	667	488	73	50-125	
Carbazole	667	482	72	45-115	
4-Chloroaniline	667	366	55	10-110	
4-Chloro-3-methylphenol	667	495	74	45-115	
2-Chloronaphthalene	667	485	73	45-105	
2-Chlorophenol	667	474	71	45-105	
4-Chlorophenyl phenyl ether	667	508	76	45-110	
Chrysene	667	521	78	55-110	
Dibenz(a,h)anthracene	667	503	75	40-125	
Dibenzofuran	667	502	75	50-105	
1,4-Dichlorobenzene	667	461	69	35-105	
1,2-Dichlorobenzene	667	599	90	45-110	
1,3-Dichlorobenzene	667	433	65	40-100	
3,3'-Dichlorobenzidine	667	335	50	10-130	
2,4-Dichlorophenol	667	495	74	45-110	
Diethyl phthalate	667	514	77	50-115	
2,4-Dimethylphenol	667	275	41	30-105	
Dimethyl phthalate	667	508	76	50-110	
Di-n-butyl phthalate	667	504	76	55-110	
4,6-Dinitro-2-methylphenol	667	428	64	30-135	
2,4-Dinitrophenol	667	413	62	15-130	
2,4-Dinitrotoluene	667	561	84	50-115	
2,6-Dinitrotoluene	667	580	87	50-110	
Di-n-octyl phthalate	667	476	71	40-130	
Fluoranthene	667	501	75	55-115	
Fluorene	667	504	76	50-110	
Hexachlorobenzene	667	494	74	45-120	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21203015.D

Lab ID: LCS 240-65933/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	465	70	40-115	
Hexachloroethane	667	433	65	35-110	
Indeno[1,2,3-cd]pyrene	667	502	75	40-120	
Isophorone	667	483	73	45-110	
2-Methylnaphthalene	667	488	73	45-105	
2-Methylphenol	667	448	67	40-105	
3 & 4 Methylphenol	1330	974	73	40-105	
Naphthalene	667	477	71	40-105	
2-Nitroaniline	667	516	77	45-120	
3-Nitroaniline	667	453	68	25-110	
4-Nitroaniline	667	492	74	35-115	
Nitrobenzene	667	499	75	40-115	
2-Nitrophenol	667	502	75	40-110	
4-Nitrophenol	667	565	85	15-140	
N-Nitrosodi-n-propylamine	667	491	74	40-115	
N-Nitrosodiphenylamine	667	484	73	50-115	
Pentachlorophenol	667	385	58	25-120	
Phenanthrene	667	498	75	50-110	
Phenol	667	472	71	40-100	
Pyrene	667	494	74	45-125	
1,2,4-Trichlorobenzene	667	448	67	45-110	
2,4,5-Trichlorophenol	667	474	71	50-110	
2,4,6-Trichlorophenol	667	475	71	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21207005.D

Lab ID: LCS 240-67436/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	455	68	45-110	
Acenaphthylene	667	474	71	45-105	
Anthracene	667	500	75	55-105	
Benzo[a]anthracene	667	486	73	50-110	
Benzo[a]pyrene	667	455	68	50-110	
Benzo[b]fluoranthene	667	485	73	45-115	
Benzo[g,h,i]perylene	667	526	79	40-125	
Benzoic acid	667	381 J	57	0-110	
Benzo[k]fluoranthene	667	501	75	45-125	
Benzyl alcohol	667	494	74	20-125	
Bis(2-chloroethoxy)methane	667	444	67	45-110	
Bis(2-chloroethyl)ether	667	483	72	40-105	
bis (2-chloroisopropyl) ether	667	494	74	20-115	
Bis(2-ethylhexyl) phthalate	667	440	66	45-125	
4-Bromophenyl phenyl ether	667	552	83	45-115	
Butyl benzyl phthalate	667	464	70	50-125	
Carbazole	667	491	74	45-115	
4-Chloroaniline	667	347	52	10-110	
4-Chloro-3-methylphenol	667	475	71	45-115	
2-Chloronaphthalene	667	464	70	45-105	
2-Chlorophenol	667	497	74	45-105	
4-Chlorophenyl phenyl ether	667	505	76	45-110	
Chrysene	667	521	78	55-110	
Dibenz(a,h)anthracene	667	515	77	40-125	
Dibenzofuran	667	474	71	50-105	
1,4-Dichlorobenzene	667	476	71	35-105	
1,2-Dichlorobenzene	667	468	70	45-110	
1,3-Dichlorobenzene	667	481	72	40-100	
3,3'-Dichlorobenzidine	667	334	50	10-130	
2,4-Dichlorophenol	667	495	74	45-110	
Diethyl phthalate	667	477	72	50-115	
2,4-Dimethylphenol	667	262	39	30-105	
Dimethyl phthalate	667	489	73	50-110	
Di-n-butyl phthalate	667	480	72	55-110	
4,6-Dinitro-2-methylphenol	667	476	71	30-135	
2,4-Dinitrophenol	667	367	55	15-130	
2,4-Dinitrotoluene	667	552	83	50-115	
2,6-Dinitrotoluene	667	549	82	50-110	
Di-n-octyl phthalate	667	426	64	40-130	
Fluoranthene	667	511	77	55-115	
Fluorene	667	468	70	50-110	
Hexachlorobenzene	667	511	77	45-120	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21207005.D

Lab ID: LCS 240-67436/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	439	66	40-115	
Hexachloroethane	667	457	69	35-110	
Indeno[1,2,3-cd]pyrene	667	502	75	40-120	
Isophorone	667	442	66	45-110	
2-Methylnaphthalene	667	479	72	45-105	
2-Methylphenol	667	482	72	40-105	
3 & 4 Methylphenol	1330	1020	77	40-105	
Naphthalene	667	460	69	40-105	
2-Nitroaniline	667	493	74	45-120	
3-Nitroaniline	667	477	72	25-110	
4-Nitroaniline	667	541	81	35-115	
Nitrobenzene	667	442	66	40-115	
2-Nitrophenol	667	501	75	40-110	
4-Nitrophenol	667	502	75	15-140	
N-Nitrosodi-n-propylamine	667	480	72	40-115	
N-Nitrosodiphenylamine	667	499	75	50-115	
Pentachlorophenol	667	337	50	25-120	
Phenanthrene	667	494	74	50-110	
Phenol	667	512	77	40-100	
Pyrene	667	487	73	45-125	
1,2,4-Trichlorobenzene	667	452	68	45-110	
2,4,5-Trichlorophenol	667	482	72	50-110	
2,4,6-Trichlorophenol	667	464	70	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21116003.D

Lab ID: MRL 240-65294/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.99	100	70-130	
Acenaphthylene	5.00	5.05	101	70-130	
Anthracene	5.00	5.07	101	70-130	
Benzo[a]anthracene	5.00	4.84	97	70-130	
Benzo[a]pyrene	5.00	4.88	98	70-130	
Benzo[b]fluoranthene	5.00	4.78	96	70-130	
Benzo[g,h,i]perylene	5.00	4.82	96	70-130	
Benzoic acid	10.0	8.59	86	70-130	M
Benzo[k]fluoranthene	5.00	5.11	102	70-130	
Benzyl alcohol	5.00	4.88	98	70-130	
Bis(2-chloroethoxy)methane	5.00	4.96	99	70-130	
Bis(2-chloroethyl)ether	5.00	5.10	102	70-130	
bis (2-chloroisopropyl) ether	5.00	4.84	97	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.93	99	70-130	
4-Bromophenyl phenyl ether	5.00	5.08	102	70-130	
Butyl benzyl phthalate	5.00	4.99	100	70-130	
Carbazole	5.00	5.13	103	70-130	
4-Chloroaniline	5.00	4.91	98	70-130	
4-Chloro-3-methylphenol	5.00	4.90	98	70-130	
2-Chloronaphthalene	5.00	4.86	97	70-130	
2-Chlorophenol	5.00	5.12	102	70-130	
4-Chlorophenyl phenyl ether	5.00	4.91	98	70-130	
Chrysene	5.00	4.95	99	70-130	
Dibenz(a,h)anthracene	5.00	4.94	99	70-130	
Dibenzofuran	5.00	4.85	97	70-130	
1,4-Dichlorobenzene	5.00	5.10	102	70-130	
1,2-Dichlorobenzene	5.00	4.96	99	70-130	
1,3-Dichlorobenzene	5.00	5.01	100	70-130	
3,3'-Dichlorobenzidine	5.00	5.12	102	70-130	
2,4-Dichlorophenol	5.00	5.11	102	70-130	
Diethyl phthalate	5.00	4.79	96	70-130	
2,4-Dimethylphenol	5.00	4.91	98	70-130	
Dimethyl phthalate	5.00	4.84	97	70-130	
Di-n-butyl phthalate	5.00	5.10	102	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.99	100	70-130	
2,4-Dinitrophenol	10.0	8.37	84	70-130	
2,4-Dinitrotoluene	5.00	5.01	100	70-130	
2,6-Dinitrotoluene	5.00	5.12	102	70-130	
Di-n-octyl phthalate	5.00	4.99	100	70-130	
Fluoranthene	5.00	5.05	101	70-130	
Fluorene	5.00	4.82	96	70-130	
Hexachlorobenzene	5.00	5.16	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21116003.D

Lab ID: MRL 240-65294/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.01	100	70-130	
Hexachloroethane	5.00	5.01	100	70-130	
Indeno[1,2,3-cd]pyrene	5.00	4.84	97	70-130	
Isophorone	5.00	4.88	98	70-130	
2-Methylnaphthalene	5.00	5.05	101	70-130	
2-Methylphenol	5.00	4.99	100	70-130	
3 & 4 Methylphenol	5.00	5.05	101	70-130	
Naphthalene	5.00	5.01	100	70-130	
2-Nitroaniline	5.00	4.89	98	70-130	
3-Nitroaniline	5.00	5.02	100	70-130	
4-Nitroaniline	5.00	5.00	100	70-130	
Nitrobenzene	5.00	4.93	99	70-130	
2-Nitrophenol	5.00	4.96	99	70-130	
4-Nitrophenol	5.00	4.56	91	70-130	
N-Nitrosodi-n-propylamine	5.00	4.91	98	70-130	
N-Nitrosodiphenylamine	5.00	5.11	102	70-130	
Pentachlorophenol	10.0	8.19	82	70-130	
Phenanthrene	5.00	4.93	99	70-130	
Phenol	5.00	5.09	102	70-130	
Pyrene	5.00	5.06	101	70-130	
1,2,4-Trichlorobenzene	5.00	4.83	97	70-130	
2,4,5-Trichlorophenol	5.00	4.81	96	70-130	
2,4,6-Trichlorophenol	5.00	4.71	94	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21116019.D

Lab ID: MRL 240-65294/19 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.93	99	70-130	
Acenaphthylene	5.00	4.98	100	70-130	
Anthracene	5.00	4.99	100	70-130	
Benzo[a]anthracene	5.00	4.76	95	70-130	
Benzo[a]pyrene	5.00	4.97	99	70-130	
Benzo[b]fluoranthene	5.00	4.67	93	70-130	
Benzo[g,h,i]perylene	5.00	4.66	93	70-130	
Benzoic acid	10.0	7.23	72	70-130	
Benzo[k]fluoranthene	5.00	5.40	108	70-130	
Benzyl alcohol	5.00	4.71	94	70-130	
Bis(2-chloroethoxy)methane	5.00	4.95	99	70-130	
Bis(2-chloroethyl)ether	5.00	4.98	100	70-130	
bis (2-chloroisopropyl) ether	5.00	4.89	98	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.79	96	70-130	
4-Bromophenyl phenyl ether	5.00	5.08	102	70-130	
Butyl benzyl phthalate	5.00	4.95	99	70-130	
Carbazole	5.00	4.97	99	70-130	
4-Chloroaniline	5.00	4.74	95	70-130	
4-Chloro-3-methylphenol	5.00	4.79	96	70-130	
2-Chloronaphthalene	5.00	4.88	98	70-130	
2-Chlorophenol	5.00	4.94	99	70-130	
4-Chlorophenyl phenyl ether	5.00	5.00	100	70-130	
Chrysene	5.00	4.88	98	70-130	
Dibenz(a,h)anthracene	5.00	5.23	105	70-130	
Dibenzofuran	5.00	4.71	94	70-130	
1,4-Dichlorobenzene	5.00	4.92	98	70-130	
1,2-Dichlorobenzene	5.00	4.98	100	70-130	
1,3-Dichlorobenzene	5.00	4.99	100	70-130	
3,3'-Dichlorobenzidine	5.00	4.93	99	70-130	
2,4-Dichlorophenol	5.00	4.97	99	70-130	
Diethyl phthalate	5.00	4.79	96	70-130	
2,4-Dimethylphenol	5.00	4.89	98	70-130	
Dimethyl phthalate	5.00	4.83	97	70-130	
Di-n-butyl phthalate	5.00	4.94	99	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.40	88	70-130	
2,4-Dinitrophenol	10.0	7.63	76	70-130	
2,4-Dinitrotoluene	5.00	5.02	100	70-130	
2,6-Dinitrotoluene	5.00	4.81	96	70-130	
Di-n-octyl phthalate	5.00	5.14	103	70-130	
Fluoranthene	5.00	5.00	100	70-130	
Fluorene	5.00	4.91	98	70-130	
Hexachlorobenzene	5.00	5.02	100	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21116019.D

Lab ID: MRL 240-65294/19 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.05	101	70-130	
Hexachloroethane	5.00	5.00	100	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.17	103	70-130	
Isophorone	5.00	4.84	97	70-130	
2-Methylnaphthalene	5.00	4.91	98	70-130	
2-Methylphenol	5.00	4.92	98	70-130	
3 & 4 Methylphenol	5.00	4.98	100	70-130	
Naphthalene	5.00	4.97	99	70-130	
2-Nitroaniline	5.00	4.66	93	70-130	
3-Nitroaniline	5.00	4.64	93	70-130	
4-Nitroaniline	5.00	4.78	96	70-130	
Nitrobenzene	5.00	4.86	97	70-130	
2-Nitrophenol	5.00	4.88	98	70-130	
4-Nitrophenol	5.00	4.00	80	70-130	
N-Nitrosodi-n-propylamine	5.00	4.82	96	70-130	
N-Nitrosodiphenylamine	5.00	4.88	98	70-130	
Pentachlorophenol	10.0	7.60	76	70-130	
Phenanthrene	5.00	4.88	98	70-130	
Phenol	5.00	4.76	95	70-130	
Pyrene	5.00	4.91	98	70-130	
1,2,4-Trichlorobenzene	5.00	5.05	101	70-130	
2,4,5-Trichlorophenol	5.00	4.60	92	70-130	
2,4,6-Trichlorophenol	5.00	4.72	94	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21203013.D

Lab ID: MRL 240-67070/13 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.89	98	70-130	
Acenaphthylene	5.00	4.98	100	70-130	
Anthracene	5.00	5.05	101	70-130	
Benzo[a]anthracene	5.00	4.84	97	70-130	
Benzo[a]pyrene	5.00	4.94	99	70-130	
Benzo[b]fluoranthene	5.00	4.94	99	70-130	
Benzo[g,h,i]perylene	5.00	4.87	97	70-130	
Benzoic acid	10.0	9.95	100	70-130	M
Benzo[k]fluoranthene	5.00	5.09	102	70-130	
Benzyl alcohol	5.00	4.96	99	70-130	
Bis(2-chloroethoxy)methane	5.00	4.75	95	70-130	
Bis(2-chloroethyl)ether	5.00	5.14	103	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.57	91	70-130	
4-Bromophenyl phenyl ether	5.00	5.12	102	70-130	
Butyl benzyl phthalate	5.00	4.85	97	70-130	
Carbazole	5.00	4.70	94	70-130	
4-Chloro-3-methylphenol	5.00	4.99	100	70-130	
2-Chloronaphthalene	5.00	4.87	97	70-130	
2-Chlorophenol	5.00	4.95	99	70-130	
4-Chlorophenyl phenyl ether	5.00	4.94	99	70-130	
Chrysene	5.00	4.85	97	70-130	
Dibenz(a,h)anthracene	5.00	4.92	98	70-130	
Dibenzofuran	5.00	4.89	98	70-130	
1,4-Dichlorobenzene	5.00	4.90	98	70-130	
1,2-Dichlorobenzene	5.00	4.89	98	70-130	
1,3-Dichlorobenzene	5.00	5.05	101	70-130	
3,3'-Dichlorobenzidine	5.00	4.92	98	70-130	
2,4-Dichlorophenol	5.00	4.80	96	70-130	
Diethyl phthalate	5.00	4.91	98	70-130	
2,4-Dimethylphenol	5.00	4.82	96	70-130	
Dimethyl phthalate	5.00	4.94	99	70-130	
Di-n-butyl phthalate	5.00	4.85	97	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.87	97	70-130	
2,4-Dinitrophenol	10.0	9.93	99	70-130	
2,4-Dinitrotoluene	5.00	5.22	104	70-130	
2,6-Dinitrotoluene	5.00	4.99	100	70-130	
Di-n-octyl phthalate	5.00	4.75	95	70-130	
Fluoranthene	5.00	4.91	98	70-130	
Fluorene	5.00	4.84	97	70-130	
Hexachlorobenzene	5.00	4.97	99	70-130	
Hexachlorobutadiene	5.00	4.96	99	70-130	
Hexachloroethane	5.00	4.95	99	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21203013.D

Lab ID: MRL 240-67070/13 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	5.00	100	70-130	
Isophorone	5.00	4.71	94	70-130	
2-Methylnaphthalene	5.00	4.86	97	70-130	
2-Methylphenol	5.00	5.04	101	70-130	
3 & 4 Methylphenol	5.00	4.97	99	70-130	
Naphthalene	5.00	4.70	94	70-130	
2-Nitroaniline	5.00	5.00	100	70-130	
3-Nitroaniline	5.00	5.14	103	70-130	
4-Nitroaniline	5.00	4.85	97	70-130	
Nitrobenzene	5.00	4.74	95	70-130	
2-Nitrophenol	5.00	4.95	99	70-130	
4-Nitrophenol	5.00	5.53	111	70-130	
N-Nitrosodi-n-propylamine	5.00	4.95	99	70-130	
N-Nitrosodiphenylamine	5.00	4.90	98	70-130	
Pentachlorophenol	10.0	9.60	96	70-130	
Phenanthrene	5.00	4.73	95	70-130	
Phenol	5.00	5.09	102	70-130	
Pyrene	5.00	4.87	97	70-130	
1,2,4-Trichlorobenzene	5.00	4.74	95	70-130	
2,4,5-Trichlorophenol	5.00	4.94	99	70-130	
2,4,6-Trichlorophenol	5.00	5.16	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21203024.D

Lab ID: MRL 240-67070/24 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.89	98	70-130	
Acenaphthylene	5.00	4.93	99	70-130	
Anthracene	5.00	4.86	97	70-130	
Benzo[a]anthracene	5.00	4.78	96	70-130	
Benzo[a]pyrene	5.00	4.82	96	70-130	
Benzo[b]fluoranthene	5.00	5.20	104	70-130	
Benzo[g,h,i]perylene	5.00	2.89	58	70-130	^
Benzoic acid	10.0	10.1	101	70-130	
Benzo[k]fluoranthene	5.00	5.01	100	70-130	
Benzyl alcohol	5.00	5.21	104	70-130	
Bis(2-chloroethoxy)methane	5.00	4.90	98	70-130	
Bis(2-chloroethyl)ether	5.00	5.19	104	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.05	101	70-130	
4-Bromophenyl phenyl ether	5.00	4.89	98	70-130	
Butyl benzyl phthalate	5.00	5.21	104	70-130	
Carbazole	5.00	4.79	96	70-130	
4-Chloro-3-methylphenol	5.00	5.05	101	70-130	
2-Chloronaphthalene	5.00	4.76	95	70-130	
2-Chlorophenol	5.00	5.09	102	70-130	
4-Chlorophenyl phenyl ether	5.00	4.97	99	70-130	
Chrysene	5.00	4.88	98	70-130	
Dibenz(a,h)anthracene	5.00	3.42	68	70-130	^
Dibenzofuran	5.00	4.75	95	70-130	
1,4-Dichlorobenzene	5.00	4.92	98	70-130	
1,2-Dichlorobenzene	5.00	5.03	101	70-130	
1,3-Dichlorobenzene	5.00	5.00	100	70-130	
3,3'-Dichlorobenzidine	5.00	5.15	103	70-130	
2,4-Dichlorophenol	5.00	5.04	101	70-130	
Diethyl phthalate	5.00	4.86	97	70-130	
2,4-Dimethylphenol	5.00	5.08	102	70-130	
Dimethyl phthalate	5.00	4.82	96	70-130	
Di-n-butyl phthalate	5.00	5.03	101	70-130	
4,6-Dinitro-2-methylphenol	5.00	2.31	46	70-130	^
2,4-Dinitrophenol	10.0	3.74	37	70-130	^
2,4-Dinitrotoluene	5.00	5.29	106	70-130	
2,6-Dinitrotoluene	5.00	5.26	105	70-130	
Di-n-octyl phthalate	5.00	6.12	122	70-130	
Fluoranthene	5.00	4.77	95	70-130	
Fluorene	5.00	4.89	98	70-130	
Hexachlorobenzene	5.00	4.94	99	70-130	
Hexachlorobutadiene	5.00	4.64	93	70-130	
Hexachloroethane	5.00	2.91	58	70-130	^

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21203024.D

Lab ID: MRL 240-67070/24 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	3.35	67	70-130	^
Isophorone	5.00	4.95	99	70-130	
2-Methylnaphthalene	5.00	4.81	96	70-130	
2-Methylphenol	5.00	5.07	101	70-130	
3 & 4 Methylphenol	5.00	5.19	104	70-130	
Naphthalene	5.00	4.79	96	70-130	
2-Nitroaniline	5.00	5.37	107	70-130	
3-Nitroaniline	5.00	5.57	111	70-130	
4-Nitroaniline	5.00	5.39	108	70-130	
Nitrobenzene	5.00	4.93	99	70-130	
2-Nitrophenol	5.00	5.19	104	70-130	
4-Nitrophenol	5.00	5.02	100	70-130	
N-Nitrosodi-n-propylamine	5.00	5.23	105	70-130	
N-Nitrosodiphenylamine	5.00	4.97	99	70-130	
Pentachlorophenol	10.0	8.63	86	70-130	
Phenanthrene	5.00	4.64	93	70-130	
Phenol	5.00	5.12	102	70-130	
Pyrene	5.00	4.96	99	70-130	
1,2,4-Trichlorobenzene	5.00	4.86	97	70-130	
2,4,5-Trichlorophenol	5.00	4.89	98	70-130	
2,4,6-Trichlorophenol	5.00	4.76	95	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21207003.D

Lab ID: MRL 240-67729/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.83	97	70-130	
Acenaphthylene	5.00	4.84	97	70-130	
Anthracene	5.00	4.97	99	70-130	
Benzo[a]anthracene	5.00	5.28	106	70-130	
Benzo[a]pyrene	5.00	5.33	107	70-130	
Benzo[b]fluoranthene	5.00	5.29	106	70-130	
Benzo[g,h,i]perylene	5.00	5.49	110	70-130	
Benzoic acid	10.0	7.85	78	70-130	
Benzo[k]fluoranthene	5.00	5.50	110	70-130	
Benzyl alcohol	5.00	5.54	111	70-130	
Bis(2-chloroethoxy)methane	5.00	5.57	111	70-130	
Bis(2-chloroethyl)ether	5.00	5.80	116	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.86	97	70-130	
4-Bromophenyl phenyl ether	5.00	5.97	119	70-130	
Butyl benzyl phthalate	5.00	5.19	104	70-130	
Carbazole	5.00	4.88	98	70-130	
4-Chloro-3-methylphenol	5.00	4.88	98	70-130	
2-Chloronaphthalene	5.00	5.61	112	70-130	
2-Chlorophenol	5.00	5.25	105	70-130	
4-Chlorophenyl phenyl ether	5.00	5.43	109	70-130	
Chrysene	5.00	5.44	109	70-130	
Dibenz(a,h)anthracene	5.00	5.40	108	70-130	
Dibenzofuran	5.00	4.78	96	70-130	
1,4-Dichlorobenzene	5.00	5.33	107	70-130	
1,2-Dichlorobenzene	5.00	5.40	108	70-130	
1,3-Dichlorobenzene	5.00	5.61	112	70-130	
3,3'-Dichlorobenzidine	5.00	5.52	110	70-130	
2,4-Dichlorophenol	5.00	5.31	106	70-130	
Diethyl phthalate	5.00	4.29	86	70-130	
2,4-Dimethylphenol	5.00	4.78	96	70-130	
Dimethyl phthalate	5.00	4.61	92	70-130	
Di-n-butyl phthalate	5.00	4.59	92	70-130	
4,6-Dinitro-2-methylphenol	5.00	5.07	101	70-130	
2,4-Dinitrophenol	10.0	8.55	86	70-130	
2,4-Dinitrotoluene	5.00	5.88	118	70-130	
2,6-Dinitrotoluene	5.00	5.66	113	70-130	
Di-n-octyl phthalate	5.00	4.89	98	70-130	
Fluoranthene	5.00	4.78	96	70-130	
Fluorene	5.00	4.61	92	70-130	
Hexachlorobenzene	5.00	5.43	109	70-130	
Hexachlorobutadiene	5.00	5.71	114	70-130	
Hexachloroethane	5.00	5.02	100	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21207003.D

Lab ID: MRL 240-67729/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	5.48	110	70-130	
Isophorone	5.00	4.72	94	70-130	
2-Methylnaphthalene	5.00	5.08	102	70-130	
2-Methylphenol	5.00	5.53	111	70-130	
3 & 4 Methylphenol	5.00	5.68	114	70-130	
Naphthalene	5.00	4.85	97	70-130	
2-Nitroaniline	5.00	4.80	96	70-130	
3-Nitroaniline	5.00	5.37	107	70-130	
4-Nitroaniline	5.00	5.41	108	70-130	
Nitrobenzene	5.00	5.46	109	70-130	
2-Nitrophenol	5.00	5.66	113	70-130	
4-Nitrophenol	5.00	4.75	95	70-130	
N-Nitrosodi-n-propylamine	5.00	5.27	105	70-130	
N-Nitrosodiphenylamine	5.00	5.17	103	70-130	
Pentachlorophenol	10.0	9.86	99	70-130	
Phenanthrene	5.00	4.77	95	70-130	
Phenol	5.00	5.58	112	70-130	
Pyrene	5.00	5.32	106	70-130	
1,2,4-Trichlorobenzene	5.00	5.55	111	70-130	
2,4,5-Trichlorophenol	5.00	5.06	101	70-130	
2,4,6-Trichlorophenol	5.00	4.95	99	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21207015.D

Lab ID: MRL 240-67729/15 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.75	95	70-130	
Acenaphthylene	5.00	4.91	98	70-130	
Anthracene	5.00	5.26	105	70-130	
Benzo[a]anthracene	5.00	5.14	103	70-130	
Benzo[a]pyrene	5.00	5.17	103	70-130	
Benzo[b]fluoranthene	5.00	5.23	105	70-130	
Benzo[g,h,i]perylene	5.00	4.46	89	70-130	
Benzoic acid	10.0	8.56	86	70-130	
Benzo[k]fluoranthene	5.00	5.03	101	70-130	
Benzyl alcohol	5.00	5.58	112	70-130	
Bis(2-chloroethoxy)methane	5.00	5.12	102	70-130	
Bis(2-chloroethyl)ether	5.00	5.34	107	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.83	97	70-130	
4-Bromophenyl phenyl ether	5.00	5.82	116	70-130	
Butyl benzyl phthalate	5.00	4.88	98	70-130	
Carbazole	5.00	5.08	102	70-130	
4-Chloro-3-methylphenol	5.00	4.76	95	70-130	
2-Chloronaphthalene	5.00	5.11	102	70-130	
2-Chlorophenol	5.00	5.22	104	70-130	
4-Chlorophenyl phenyl ether	5.00	5.07	101	70-130	
Chrysene	5.00	5.17	103	70-130	
Dibenz(a,h)anthracene	5.00	4.85	97	70-130	
Dibenzofuran	5.00	4.77	95	70-130	
1,4-Dichlorobenzene	5.00	5.13	103	70-130	
1,2-Dichlorobenzene	5.00	5.34	107	70-130	
1,3-Dichlorobenzene	5.00	5.28	106	70-130	
3,3'-Dichlorobenzidine	5.00	5.41	108	70-130	
2,4-Dichlorophenol	5.00	5.18	104	70-130	
Diethyl phthalate	5.00	4.43	89	70-130	
2,4-Dimethylphenol	5.00	4.86	97	70-130	
Dimethyl phthalate	5.00	4.54	91	70-130	
Di-n-butyl phthalate	5.00	4.83	97	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.99	100	70-130	
2,4-Dinitrophenol	10.0	8.50	85	70-130	
2,4-Dinitrotoluene	5.00	5.43	109	70-130	
2,6-Dinitrotoluene	5.00	5.52	110	70-130	
Di-n-octyl phthalate	5.00	5.05	101	70-130	
Fluoranthene	5.00	5.14	103	70-130	
Fluorene	5.00	4.71	94	70-130	
Hexachlorobenzene	5.00	5.35	107	70-130	
Hexachlorobutadiene	5.00	5.05	101	70-130	
Hexachloroethane	5.00	3.79	76	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21207015.D

Lab ID: MRL 240-67729/15 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	4.78	96	70-130	
Isophorone	5.00	4.59	92	70-130	
2-Methylnaphthalene	5.00	4.95	99	70-130	
2-Methylphenol	5.00	5.50	110	70-130	
3 & 4 Methylphenol	5.00	5.58	112	70-130	
Naphthalene	5.00	4.72	94	70-130	
2-Nitroaniline	5.00	4.74	95	70-130	
3-Nitroaniline	5.00	5.39	108	70-130	
4-Nitroaniline	5.00	5.27	105	70-130	
Nitrobenzene	5.00	4.85	97	70-130	
2-Nitrophenol	5.00	5.43	109	70-130	
4-Nitrophenol	5.00	4.65	93	70-130	
N-Nitrosodi-n-propylamine	5.00	5.14	103	70-130	
N-Nitrosodiphenylamine	5.00	5.35	107	70-130	
Pentachlorophenol	10.0	9.52	95	70-130	
Phenanthrene	5.00	5.03	101	70-130	
Phenol	5.00	5.30	106	70-130	
Pyrene	5.00	5.14	103	70-130	
1,2,4-Trichlorobenzene	5.00	5.12	102	70-130	
2,4,5-Trichlorophenol	5.00	4.78	96	70-130	
2,4,6-Trichlorophenol	5.00	5.05	101	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21116017.D

Lab ID: 240-17477-4 MS Client ID: 068SW-0016-0001-SW MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acenaphthene	19.0	0.095 U	11.9	63	45-110	
Acenaphthylene	19.0	0.095 U	11.7	62	50-105	
Anthracene	19.0	0.095 U	10.8	57	55-110	
Benzo[a]anthracene	19.0	0.095 U	11.8	62	55-110	
Benzo[a]pyrene	19.0	0.095 U	9.33	49	55-110	J
Benzo[b]fluoranthene	19.0	0.095 U	10.6	56	45-120	
Benzo[g,h,i]perylene	19.0	0.095 U	12.0	63	40-125	
Benzoic acid	19.0	9.5 U	11.5 J	60	0-125	
Benzo[k]fluoranthene	19.0	0.095 U	13.0	68	45-125	
Benzyl alcohol	19.0	0.76 U	11.9	63	30-110	
Bis(2-chloroethoxy)methane	19.0	0.76 U	11.3	59	45-105	
Bis(2-chloroethyl)ether	19.0	0.095 U	10.8	57	35-110	
bis (2-chloroisopropyl) ether	19.0	0.76 U	10.9	57	25-130	
Bis(2-ethylhexyl) phthalate	19.0	0.76 U	34.4	181	40-125	J
4-Bromophenyl phenyl ether	19.0	0.76 U	12.4	65	50-115	
Butyl benzyl phthalate	19.0	0.76 U	13.0	68	45-115	
Carbazole	19.0	0.76 U	12.7	67	50-115	
4-Chloroaniline	19.0	0.76 U	8.49	45	15-110	
4-Chloro-3-methylphenol	19.0	0.76 U	12.6	66	45-110	
2-Chloronaphthalene	19.0	0.095 U	11.4	60	50-105	
2-Chlorophenol	19.0	0.76 U	11.3	59	35-105	
4-Chlorophenyl phenyl ether	19.0	0.76 U	12.3	65	50-110	
Chrysene	19.0	0.095 U	13.2	69	55-110	
Dibenz(a,h)anthracene	19.0	0.095 U	12.5	66	40-125	
Dibenzofuran	19.0	0.095 U	12.1	64	55-105	
1,4-Dichlorobenzene	19.0	0.76 U	10.5	55	30-100	
1,2-Dichlorobenzene	19.0	0.76 U	10.3	54	35-100	
1,3-Dichlorobenzene	19.0	0.76 U	10.1	53	30-100	
3,3'-Dichlorobenzidine	19.0	0.76 U	0.76 U	0	20-110	J
2,4-Dichlorophenol	19.0	0.76 U	11.9	63	50-105	
Diethyl phthalate	19.0	0.76 U	13.1	69	40-120	
2,4-Dimethylphenol	19.0	0.76 U	9.85	52	30-110	
Dimethyl phthalate	19.0	0.76 U	12.7	67	25-125	
Di-n-butyl phthalate	19.0	0.76 U	13.2	69	55-115	
4,6-Dinitro-2-methylphenol	19.0	2.3 U	12.3	65	40-130	
2,4-Dinitrophenol	19.0	2.3 U	10.8	56	15-140	
2,4-Dinitrotoluene	19.0	0.76 U	13.7	72	50-120	
2,6-Dinitrotoluene	19.0	0.76 U	13.1	69	50-115	
Di-n-octyl phthalate	19.0	0.76 U	10.2	54	35-135	
Fluoranthene	19.0	0.095 U	13.3	70	55-115	
Fluorene	19.0	0.095 U	12.3	65	50-110	
Hexachlorobenzene	19.0	0.095 U	11.9	63	50-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21116017.D

Lab ID: 240-17477-4 MS Client ID: 068SW-0016-0001-SW MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Hexachlorobutadiene	19.0	0.76 U	9.47	50	25-105	
Hexachloroethane	19.0	0.76 U	10.1	53	30-95	
Indeno[1,2,3-cd]pyrene	19.0	0.095 U	12.1	64	45-125	
Isophorone	19.0	0.76 U	11.9	62	50-110	
2-Methylnaphthalene	19.0	0.095 U	11.5	60	45-105	
2-Methylphenol	19.0	0.76 U	11.7	61	40-110	
3 & 4 Methylphenol	38.1	0.76 U	24.2	63	30-110	
Naphthalene	19.0	0.095 U	10.8	57	40-100	
2-Nitroaniline	19.0	0.76 U	12.4	65	50-115	
3-Nitroaniline	19.0	0.76 U	10.2	54	20-125	
4-Nitroaniline	19.0	0.76 U	11.5	60	35-120	
Nitrobenzene	19.0	0.095 U	10.6	56	45-110	
2-Nitrophenol	19.0	0.76 U	11.5	60	40-115	
4-Nitrophenol	19.0	2.3 U	12.0	63	0-125	
N-Nitrosodi-n-propylamine	19.0	0.76 U	11.7	61	35-130	
N-Nitrosodiphenylamine	19.0	0.76 U	10.4	55	50-110	
Pentachlorophenol	19.0	2.3 U	11.7	61	40-115	
Phenanthrene	19.0	0.095 U	12.7	67	50-115	
Phenol	19.0	0.76 U	11.7	61	0-115	
Pyrene	19.0	0.095 U	12.5	66	50-130	
1,2,4-Trichlorobenzene	19.0	0.76 U	9.71	51	35-105	
2,4,5-Trichlorophenol	19.0	0.76 U	12.4	65	50-110	
2,4,6-Trichlorophenol	19.0	0.76 U	12.2	64	50-115	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21203018.D

Lab ID: 240-17477-6 MS Client ID: 079SS-0004M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	664	5.7 J	461	69	45-110	
Acenaphthylene	664	10	480	71	45-105	
Anthracene	664	10	467	69	55-105	
Benzo[a]anthracene	664	43	475	65	50-110	
Benzo[a]pyrene	664	42	440	60	50-110	
Benzo[b]fluoranthene	664	75	516	66	45-115	
Benzo[g,h,i]perylene	664	26	398	56	40-125	
Benzoic acid	664	340 U	330 U	0	0-110	
Benzo[k]fluoranthene	664	27	458	65	45-125	
Benzyl alcohol	664	27 U	473	71	20-125	
Bis(2-chloroethoxy)methane	664	27 U	485	73	45-110	
Bis(2-chloroethyl)ether	664	3.3 U	478	72	40-105	
bis (2-chloroisopropyl) ether	664	27 U	489	74	20-115	
4-Bromophenyl phenyl ether	664	27 U	500	75	45-115	
Butyl benzyl phthalate	664	27 U	486	73	50-125	
Carbazole	664	27 U	434	65	45-115	
4-Chloroaniline	664	27 U	167	25	10-95	
4-Chloro-3-methylphenol	664	27 U	496	75	45-115	
2-Chloronaphthalene	664	3.3 U	476	72	45-105	
2-Chlorophenol	664	27 U	500	75	45-105	
4-Chlorophenyl phenyl ether	664	27 U	470	71	45-110	
Chrysene	664	63	514	68	55-110	
Dibenz(a,h)anthracene	664	3.3 U	400	60	40-125	
Dibenzofuran	664	23 J	482	69	50-105	
1,4-Dichlorobenzene	664	27 U	460	69	35-105	
1,2-Dichlorobenzene	664	14 J	448	65	45-95	
1,3-Dichlorobenzene	664	27 U	445	67	40-100	
3,3'-Dichlorobenzidine	664	81 U	80 U	0	10-130	J
2,4-Dichlorophenol	664	27 U	487	73	45-110	
Diethyl phthalate	664	27 U	485	73	50-115	
2,4-Dimethylphenol	664	81 U	421	63	30-105	
Dimethyl phthalate	664	27 U	465	70	50-110	
Di-n-butyl phthalate	664	27 U	494	74	55-110	
4,6-Dinitro-2-methylphenol	664	81 U	227	34	30-135	
2,4-Dinitrophenol	664	81 U	123 J	19	15-130	
2,4-Dinitrotoluene	664	27 U	503	76	50-115	
2,6-Dinitrotoluene	664	27 U	522	78	50-110	
Di-n-octyl phthalate	664	27 U	502	76	40-130	
Fluoranthene	664	78	549	71	55-115	
Fluorene	664	6.1 J	471	70	50-110	
Hexachlorobenzene	664	3.3 U	478	72	45-120	
Hexachlorobutadiene	664	27 U	450	68	40-115	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21203018.D

Lab ID: 240-17477-6 MS Client ID: 079SS-0004M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Hexachloroethane	664	27 U	329	50	35-110	
Indeno[1,2,3-cd]pyrene	664	22	406	58	40-120	
Isophorone	664	27 U	499	75	45-110	
2-Methylnaphthalene	664	90	586	75	45-105	
2-Methylphenol	664	81 U	501	75	40-105	
3 & 4 Methylphenol	1330	81 U	1010	76	40-105	
Naphthalene	664	63	525	70	40-105	
2-Nitroaniline	664	27 U	531	80	45-120	
3-Nitroaniline	664	81 U	207	31	25-110	
4-Nitroaniline	664	27 U	196 J	29	35-115	J
Nitrobenzene	664	3.3 U	489	74	40-115	
2-Nitrophenol	664	27 U	516	78	40-110	
4-Nitrophenol	664	81 U	498	75	15-140	
N-Nitrosodi-n-propylamine	664	27 U	497	75	40-115	
N-Nitrosodiphenylamine	664	27 U	489	74	50-115	
Pentachlorophenol	664	81 U	471	71	25-120	
Phenanthrene	664	71	537	70	50-110	
Phenol	664	27 U	503	76	40-100	
Pyrene	664	65	512	67	45-125	
1,2,4-Trichlorobenzene	664	27 U	442	67	45-110	
2,4,5-Trichlorophenol	664	27 U	467	70	50-110	
2,4,6-Trichlorophenol	664	81 U	508	77	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21207012.D

Lab ID: 240-17477-6 MS RE Client ID: 079SS-0004M-0001-SO MS RE

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	657	27 U	477	73	45-125	H

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21116018.D

Lab ID: 240-17477-4 MSD Client ID: 068SW-0016-0001-SW MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	19.0	13.8	73	15	30	45-110	
Acenaphthylene	19.0	13.3	70	13	30	50-105	
Anthracene	19.0	11.9	63	10	30	55-110	
Benzo[a]anthracene	19.0	10.7	56	10	30	55-110	
Benzo[a]pyrene	19.0	7.53	40	21	30	55-110	J
Benzo[b]fluoranthene	19.0	9.41	49	12	30	45-120	
Benzo[g,h,i]perylene	19.0	8.81	46	31	30	40-125	J
Benzoic acid	19.0	13.6 J	71	17	30	0-125	
Benzo[k]fluoranthene	19.0	9.89	52	27	30	45-125	
Benzyl alcohol	19.0	15.5	81	26	30	30-110	
Bis(2-chloroethoxy)methane	19.0	14.3	75	23	30	45-105	
Bis(2-chloroethyl)ether	19.0	15.4	81	35	30	35-110	J
bis (2-chloroisopropyl) ether	19.0	15.0	79	32	30	25-130	J
Bis(2-ethylhexyl) phthalate	19.0	7.72	41	127	30	40-125	J
4-Bromophenyl phenyl ether	19.0	13.9	73	11	30	50-115	
Butyl benzyl phthalate	19.0	11.9	62	9	30	45-115	
Carbazole	19.0	13.5	71	6	30	50-115	
4-Chloroaniline	19.0	9.38	49	10	30	15-110	
4-Chloro-3-methylphenol	19.0	14.2	74	12	30	45-110	
2-Chloronaphthalene	19.0	13.8	73	19	30	50-105	
2-Chlorophenol	19.0	15.2	80	30	30	35-105	
4-Chlorophenyl phenyl ether	19.0	13.6	71	10	30	50-110	
Chrysene	19.0	12.2	64	8	30	55-110	
Dibenz(a,h)anthracene	19.0	8.74	46	36	30	40-125	J
Dibenzofuran	19.0	13.6	71	12	30	55-105	
1,4-Dichlorobenzene	19.0	14.6	77	33	30	30-100	J
1,2-Dichlorobenzene	19.0	14.5	76	34	30	35-100	J
1,3-Dichlorobenzene	19.0	14.0	73	33	30	30-100	J
3,3'-Dichlorobenzidine	19.0	0.449 J	2	200	30	20-110	J
2,4-Dichlorophenol	19.0	14.4	76	19	30	50-105	
Diethyl phthalate	19.0	13.7	72	4	30	40-120	
2,4-Dimethylphenol	19.0	12.4	65	23	30	30-110	
Dimethyl phthalate	19.0	14.1	74	10	30	25-125	
Di-n-butyl phthalate	19.0	13.3	70	1	30	55-115	
4,6-Dinitro-2-methylphenol	19.0	13.4	70	8	30	40-130	
2,4-Dinitrophenol	19.0	11.5	60	7	30	15-140	
2,4-Dinitrotoluene	19.0	14.3	75	5	30	50-120	
2,6-Dinitrotoluene	19.0	14.5	76	10	30	50-115	
Di-n-octyl phthalate	19.0	6.92	36	38	30	35-135	J
Fluoranthene	19.0	13.7	72	2	30	55-115	
Fluorene	19.0	13.7	72	10	30	50-110	
Hexachlorobenzene	19.0	13.0	68	9	30	50-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21116018.D

Lab ID: 240-17477-4 MSD Client ID: 068SW-0016-0001-SW MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachlorobutadiene	19.0	13.0	68	32	30	25-105	J
Hexachloroethane	19.0	13.8	72	31	30	30-95	J
Indeno[1,2,3-cd]pyrene	19.0	8.61	45	34	30	45-125	J
Isophorone	19.0	14.7	77	21	30	50-110	
2-Methylnaphthalene	19.0	14.5	76	23	30	45-105	
2-Methylphenol	19.0	15.1	79	25	30	40-110	
3 & 4 Methylphenol	38.1	31.4	82	26	30	30-110	
Naphthalene	19.0	14.5	76	30	30	40-100	
2-Nitroaniline	19.0	13.5	71	9	30	50-115	
3-Nitroaniline	19.0	10.4	54	1	30	20-125	
4-Nitroaniline	19.0	11.6	61	1	30	35-120	
Nitrobenzene	19.0	14.1	74	28	30	45-110	
2-Nitrophenol	19.0	14.7	77	25	30	40-115	
4-Nitrophenol	19.0	12.5	66	4	30	0-125	
N-Nitrosodi-n-propylamine	19.0	15.1	79	25	30	35-130	
N-Nitrosodiphenylamine	19.0	11.5	61	10	30	50-110	
Pentachlorophenol	19.0	11.7	62	0	30	40-115	
Phenanthrene	19.0	13.6	72	7	30	50-115	
Phenol	19.0	15.3	80	27	30	0-115	
Pyrene	19.0	12.7	67	1	30	50-130	
1,2,4-Trichlorobenzene	19.0	13.2	70	31	30	35-105	J
2,4,5-Trichlorophenol	19.0	14.4	76	15	30	50-110	
2,4,6-Trichlorophenol	19.0	14.1	74	15	30	50-115	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21203019.D

Lab ID: 240-17477-6 MSD Client ID: 079SS-0004M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	661	499	75	8	30	45-110	
Acenaphthylene	661	484	72	1	30	45-105	
Anthracene	661	459	68	2	30	55-105	
Benzo[a]anthracene	661	494	68	4	30	50-110	
Benzo[a]pyrene	661	429	59	2	30	50-110	
Benzo[b]fluoranthene	661	495	64	4	30	45-115	
Benzo[g,h,i]perylene	661	360	50	10	30	40-125	
Benzoic acid	661	330 U	0	NC	30	0-110	
Benzo[k]fluoranthene	661	464	66	1	30	45-125	
Benzyl alcohol	661	513	78	8	30	20-125	
Bis(2-chloroethoxy)methane	661	486	74	0	30	45-110	
Bis(2-chloroethyl)ether	661	514	78	7	30	40-105	
bis (2-chloroisopropyl) ether	661	492	74	1	30	20-115	
4-Bromophenyl phenyl ether	661	455	69	9	30	45-115	
Butyl benzyl phthalate	661	494	75	1	30	50-125	
Carbazole	661	428	65	1	30	45-115	
4-Chloroaniline	661	165	25	2	30	10-95	
4-Chloro-3-methylphenol	661	499	75	0	30	45-115	
2-Chloronaphthalene	661	490	74	3	30	45-105	
2-Chlorophenol	661	492	74	2	30	45-105	
4-Chlorophenyl phenyl ether	661	479	72	2	30	45-110	
Chrysene	661	526	70	2	30	55-110	
Dibenz(a,h)anthracene	661	369	56	8	30	40-125	
Dibenzofuran	661	506	73	5	30	50-105	
1,4-Dichlorobenzene	661	465	70	1	30	35-105	
1,2-Dichlorobenzene	661	458	67	2	30	45-95	
1,3-Dichlorobenzene	661	428	65	4	30	40-100	
3,3'-Dichlorobenzidine	661	79 U	0	NC	30	10-130	J
2,4-Dichlorophenol	661	491	74	1	30	45-110	
Diethyl phthalate	661	501	76	3	30	50-115	
2,4-Dimethylphenol	661	433	66	3	30	30-105	
Dimethyl phthalate	661	497	75	7	30	50-110	
Di-n-butyl phthalate	661	470	71	5	30	55-110	
4,6-Dinitro-2-methylphenol	661	258	39	13	30	30-135	
2,4-Dinitrophenol	661	198 J	30	46	30	15-130	J
2,4-Dinitrotoluene	661	498	75	1	30	50-115	
2,6-Dinitrotoluene	661	524	79	0	30	50-110	
Di-n-octyl phthalate	661	495	75	1	30	40-130	
Fluoranthene	661	535	69	3	30	55-115	
Fluorene	661	478	71	1	30	50-110	
Hexachlorobenzene	661	443	67	8	30	45-120	
Hexachlorobutadiene	661	441	67	2	30	40-115	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21203019.D

Lab ID: 240-17477-6 MSD Client ID: 079SS-0004M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachloroethane	661	322	49	2	30	35-110	
Indeno[1,2,3-cd]pyrene	661	385	55	5	30	40-120	
Isophorone	661	505	76	1	30	45-110	
2-Methylnaphthalene	661	574	73	2	30	45-105	
2-Methylphenol	661	508	77	1	30	40-105	
3 & 4 Methylphenol	1320	1020	77	1	30	40-105	
Naphthalene	661	535	71	2	30	40-105	
2-Nitroaniline	661	510	77	4	30	45-120	
3-Nitroaniline	661	205	31	1	30	25-110	
4-Nitroaniline	661	213	32	8	30	35-115	J
Nitrobenzene	661	479	72	2	30	40-115	
2-Nitrophenol	661	503	76	2	30	40-110	
4-Nitrophenol	661	536	81	7	30	15-140	
N-Nitrosodi-n-propylamine	661	506	77	2	30	40-115	
N-Nitrosodiphenylamine	661	471	71	4	30	50-115	
Pentachlorophenol	661	440	67	7	30	25-120	
Phenanthrene	661	530	69	1	30	50-110	
Phenol	661	520	79	3	30	40-100	
Pyrene	661	521	69	2	30	45-125	
1,2,4-Trichlorobenzene	661	452	68	2	30	45-110	
2,4,5-Trichlorophenol	661	497	75	6	30	50-110	
2,4,6-Trichlorophenol	661	514	78	1	30	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21207013.D

Lab ID: 240-17477-6 MSD RE Client ID: 079SS-0004M-0001-SO MSD RE

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Bis(2-ethylhexyl) phthalate	663	480	72	1	30	45-125	H

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: 21116004.D Lab Sample ID: MB 240-64920/23-A

Matrix: Water Date Extracted: 11/14/2012 08:33

Instrument ID: A4HP9 Date Analyzed: 11/16/2012 10:21

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-64920/24-A	21116005.D	11/16/2012 10:40
068SW-0013-0001-SW	240-17477-1	21116013.D	11/16/2012 13:11
068SW-0014-0001-SW	240-17477-2	21116014.D	11/16/2012 13:30
068SW-0015-0001-SW	240-17477-3	21116015.D	11/16/2012 13:49
068SW-0016-0001-SW	240-17477-4	21116016.D	11/16/2012 14:08
068SW-0016-0001-SW MS	240-17477-4 MS	21116017.D	11/16/2012 14:27
068SW-0016-0001-SW MSD	240-17477-4 MSD	21116018.D	11/16/2012 14:46

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: 21203014.D Lab Sample ID: MB 240-65933/23-A

Matrix: Solid Date Extracted: 11/21/2012 11:36

Instrument ID: A4HP9 Date Analyzed: 12/03/2012 16:43

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-65933/24-A	21203015.D	12/03/2012 17:08
079SS-0005M-0001-SO	240-17477-7	21203016.D	12/03/2012 17:34
079SS-0004M-0001-SO	240-17477-6	21203017.D	12/03/2012 17:59
079SS-0004M-0001-SO MS	240-17477-6 MS	21203018.D	12/03/2012 18:24
079SS-0004M-0001-SO MSD	240-17477-6 MSD	21203019.D	12/03/2012 18:50

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: 21207004.D Lab Sample ID: MB 240-67436/23-A

Matrix: Solid Date Extracted: 12/05/2012 10:50

Instrument ID: A4HP9 Date Analyzed: 12/07/2012 14:08

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-67436/24-A	21207005.D	12/07/2012 14:33
079SS-0004M-0001-SO RE	240-17477-6 RE	21207011.D	12/07/2012 17:03
079SS-0004M-0001-SO MS RE	240-17477-6 MS RE	21207012.D	12/07/2012 17:28
079SS-0004M-0001-SO MSD RE	240-17477-6 MSD RE	21207013.D	12/07/2012 17:53
079SS-0005M-0001-SO RE	240-17477-7 RE	21207014.D	12/07/2012 18:18

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: 21114001.D DFTPP Injection Date: 11/14/2012

Instrument ID: A4HP9 DFTPP Injection Time: 11:15

Analysis Batch No.: 64921

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	32.6	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	48.0	
70	Less than 2.0% of mass 69	0.0	(0.0)1
127	25.0 - 75.0% of mass 198	39.7	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.5	
275	10.0- 30.0% of mass 198	21.2	
365	Greater than 0.75% of mass 198	2.0	
441	Present, but less than mass 443	10.5	
442	40.0 - 110.0% of mass 198	63.3	
443	15.0 - 24.0% of mass 442	12.2	(19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-64921/2	21114002.D	11/14/2012	11:39
	STD4 240-64921/3	21114003.D	11/14/2012	11:59
	STD3 240-64921/4	21114004.D	11/14/2012	12:18
	STD2 240-64921/5	21114005.D	11/14/2012	12:37
	STD1 240-64921/6	21114006.D	11/14/2012	12:56
	STD9 240-64921/7	21114007.D	11/14/2012	13:15
	STD8 240-64921/8	21114008.D	11/14/2012	13:34
	STD7 240-64921/9	21114009.D	11/14/2012	13:53
	STD6 240-64921/10	21114010.D	11/14/2012	14:12
	ICV 240-64921/21	21114021.D	11/14/2012	14:53

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: 21116001.D DFTPP Injection Date: 11/16/2012

Instrument ID: A4HP9 DFTPP Injection Time: 09:20

Analysis Batch No.: 65294

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	30.1	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	44.8	
70	Less than 2.0% of mass 69	0.3	(0.8)1
127	25.0 - 75.0% of mass 198	39.5	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.7	
275	10.0- 30.0% of mass 198	22.9	
365	Greater than 0.75% of mass 198	2.3	
441	Present, but less than mass 443	11.7	
442	40.0 - 110.0% of mass 198	71.8	
443	15.0 - 24.0% of mass 442	14.0	(19.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-65294/2	21116002.D	11/16/2012	09:38
	MRL 240-65294/3	21116003.D	11/16/2012	10:00
	MB 240-64920/23-A	21116004.D	11/16/2012	10:21
	LCS 240-64920/24-A	21116005.D	11/16/2012	10:40
068SW-0013-0001-SW	240-17477-1	21116013.D	11/16/2012	13:11
068SW-0014-0001-SW	240-17477-2	21116014.D	11/16/2012	13:30
068SW-0015-0001-SW	240-17477-3	21116015.D	11/16/2012	13:49
068SW-0016-0001-SW	240-17477-4	21116016.D	11/16/2012	14:08
068SW-0016-0001-SW MS	240-17477-4 MS	21116017.D	11/16/2012	14:27
068SW-0016-0001-SW MSD	240-17477-4 MSD	21116018.D	11/16/2012	14:46
	MRL 240-65294/19	21116019.D	11/16/2012	15:09

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: 21203001.D DFTPP Injection Date: 12/03/2012

Instrument ID: A4HP9 DFTPP Injection Time: 11:11

Analysis Batch No.: 67070

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	39.5	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	72.2	
70	Less than 2.0% of mass 69	0.2	(0.3)1
127	25.0 - 75.0% of mass 198	47.2	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.8	
275	10.0- 30.0% of mass 198	22.9	
365	Greater than 0.75% of mass 198	2.9	
441	Present, but less than mass 443	12.0	
442	40.0 - 110.0% of mass 198	68.0	
443	15.0 - 24.0% of mass 442	12.4	(18.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-67070/2	21203002.D	12/03/2012	11:32
	STD4 240-67070/3	21203003.D	12/03/2012	11:57
	STD3 240-67070/4	21203004.D	12/03/2012	12:23
	STD2 240-67070/5	21203005.D	12/03/2012	12:48
	STD1 240-67070/6	21203006.D	12/03/2012	13:13
	STD9 240-67070/7	21203007.D	12/03/2012	13:39
	STD8 240-67070/8	21203008.D	12/03/2012	14:04
	STD7 240-67070/9	21203009.D	12/03/2012	14:36
	STD6 240-67070/10	21203010.D	12/03/2012	15:01
	ICV 240-67070/12	21203012.D	12/03/2012	15:52
	MRL 240-67070/13	21203013.D	12/03/2012	16:18
	MB 240-65933/23-A	21203014.D	12/03/2012	16:43
	LCS 240-65933/24-A	21203015.D	12/03/2012	17:08
079SS-0005M-0001-SO	240-17477-7	21203016.D	12/03/2012	17:34
079SS-0004M-0001-SO	240-17477-6	21203017.D	12/03/2012	17:59
079SS-0004M-0001-SO MS	240-17477-6 MS	21203018.D	12/03/2012	18:24
079SS-0004M-0001-SO MSD	240-17477-6 MSD	21203019.D	12/03/2012	18:50
	MRL 240-67070/24	21203024.D	12/03/2012	20:56
	mdll1	21203025.D	12/03/2012	21:21
	mdll2	21203026.D	12/03/2012	21:47
	mdll3	21203027.D	12/03/2012	22:12
	mdll4	21203028.D	12/03/2012	22:37

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab File ID: 21207001.D DFTPP Injection Date: 12/07/2012

Instrument ID: A4HP9 DFTPP Injection Time: 12:56

Analysis Batch No.: 67729

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	37.9	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	66.1	
70	Less than 2.0% of mass 69	0.3	(0.5)1
127	25.0 - 75.0% of mass 198	44.1	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.4	
275	10.0- 30.0% of mass 198	23.6	
365	Greater than 0.75% of mass 198	3.0	
441	Present, but less than mass 443	8.2	
442	40.0 - 110.0% of mass 198	86.2	
443	15.0 - 24.0% of mass 442	15.9	(18.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-67729/2	21207002.D	12/07/2012	13:16
	MRL 240-67729/3	21207003.D	12/07/2012	13:43
	MB 240-67436/23-A	21207004.D	12/07/2012	14:08
	LCS 240-67436/24-A	21207005.D	12/07/2012	14:33
079SS-0004M-0001-SO RE	240-17477-6 RE	21207011.D	12/07/2012	17:03
079SS-0004M-0001-SO MS RE	240-17477-6 MS RE	21207012.D	12/07/2012	17:28
079SS-0004M-0001-SO MSD RE	240-17477-6 MSD RE	21207013.D	12/07/2012	17:53
079SS-0005M-0001-SO RE	240-17477-7 RE	21207014.D	12/07/2012	18:18
	MRL 240-67729/15	21207015.D	12/07/2012	18:43
	mdll1	21207016.D	12/07/2012	19:08
	mdll2	21207017.D	12/07/2012	19:33
	mdll3	21207018.D	12/07/2012	19:58
	mdll4	21207019.D	12/07/2012	20:23

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: STD6 240-64921/10 Date Analyzed: 11/14/2012 14:12

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21114010.D Heated Purge: (Y/N) N

Calibration ID: 12309

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		161662	3.84	626906	4.80	409669	6.09
UPPER LIMIT		323324	4.34	1253812	5.30	819338	6.59
LOWER LIMIT		80831	3.34	313453	4.30	204835	5.59
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-64921/21		155222	3.84	585567	4.80	383760	6.09
CCV 240-65294/2		147783	3.68	571090	4.64	377818	5.93
MRL 240-65294/3		150301	3.68	580692	4.64	385184	5.93
MB 240-64920/23-A		125503	3.68	502037	4.64	342064	5.93
LCS 240-64920/24-A		117485	3.67	476759	4.64	317597	5.93
240-17477-1	068SW-0013-0001-SW	110513	3.68	450451	4.64	303245	5.92
240-17477-2	068SW-0014-0001-SW	114309	3.68	462314	4.63	304388	5.93
240-17477-3	068SW-0015-0001-SW	122991	3.68	468364	4.63	308618	5.93
240-17477-4	068SW-0016-0001-SW	127691	3.68	511828	4.64	334067	5.92
240-17477-4 MS	068SW-0016-0001-SW MS	126171	3.67	513497	4.64	347548	5.93
240-17477-4 MSD	068SW-0016-0001-SW MSD	130402	3.67	540386	4.64	372563	5.93
MRL 240-65294/19		125010	3.68	473348	4.64	317019	5.92

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: STD6 240-64921/10 Date Analyzed: 11/14/2012 14:12

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21114010.D Heated Purge: (Y/N) N

Calibration ID: 12309

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		740612	7.17	720916	9.12	594168	10.48
UPPER LIMIT		1481224	7.67	1441832	9.62	1188336	10.98
LOWER LIMIT		370306	6.67	360458	8.62	297084	9.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-64921/21		681510	7.17	726263	9.13	612788	10.50
CCV 240-65294/2		674669	7.01	681998	8.95	554478	10.22
MRL 240-65294/3		666230	7.01	675862	8.95	552093	10.22
MB 240-64920/23-A		610306	7.01	638244	8.95	534640	10.22
LCS 240-64920/24-A		576386	7.01	613814	8.95	504940	10.21
240-17477-1	068SW-0013-0001-SW	545883	7.00	578077	8.94	464215	10.20
240-17477-2	068SW-0014-0001-SW	562169	7.00	618998	8.93	505198	10.19
240-17477-3	068SW-0015-0001-SW	563467	7.00	640468	8.94	510225	10.20
240-17477-4	068SW-0016-0001-SW	601973	7.00	660068	8.94	526654	10.20
240-17477-4 MS	068SW-0016-0001-SW MS	645024	7.00	656975	8.94	550265	10.20
240-17477-4 MSD	068SW-0016-0001-SW MSD	671011	7.01	719668	8.95	569493	10.21
MRL 240-65294/19		562275	7.00	572059	8.96	445968	10.22

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: STD6 240-67070/10 Date Analyzed: 12/03/2012 15:01

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21203010.D Heated Purge: (Y/N) N

Calibration ID: 12569

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		219993	6.05	913768	7.16	570837	8.65
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-67070/12		137958	6.05	564325	7.15	357466	8.65
MRL 240-67070/13		171464	6.05	713458	7.16	437258	8.65
MB 240-65933/23-A		124013	6.05	533683	7.15	327896	8.65
LCS 240-65933/24-A		148506	6.05	598299	7.15	366348	8.65
240-17477-7	079SS-0005M-0001-SO	135138	6.05	616391	7.16	380110	8.65
240-17477-6	079SS-0004M-0001-SO	156768	6.05	684412	7.16	414919	8.65
240-17477-6 MS	079SS-0004M-0001-SO MS	157702	6.05	646790	7.16	410342	8.65
240-17477-6 MSD	079SS-0004M-0001-SO MSD	148491	6.05	609842	7.16	376868	8.65
MRL 240-67070/24		216038	6.05	917595	7.15	576647	8.65
mdll1 LODV		207444	6.05	869065	7.16	538330	8.65
mdll2 LODV		209193	6.05	859994	7.16	530467	8.65
mdll3 LODV		213548	6.05	921422	7.16	589971	8.65
mdll4 LODV		182745	6.05	760921	7.16	476990	8.65
CCV 240-67729/2		186473	5.95	768676	7.07	487864	8.56
MRL 240-67729/3		204636	5.95	871123	7.07	541865	8.56
MB 240-67436/23-A		127822	5.95	524706	7.07	339802	8.56
LCS 240-67436/24-A		121871	5.95	522204	7.07	328438	8.56
240-17477-6 RE	079SS-0004M-0001-SO RE	138488	5.95	565714	7.06	370411	8.56
240-17477-6 MS RE	079SS-0004M-0001-SO MS RE	140002	5.95	569952	7.07	361845	8.56
240-17477-6 MSD RE	079SS-0004M-0001-SO MSD RE	131225	5.95	533776	7.07	348006	8.56
240-17477-7 RE	079SS-0005M-0001-SO RE	123222	5.96	529201	7.07	338084	8.56
MRL 240-67729/15		283292	5.95	1250981	7.07	782669	8.56

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: STD6 240-67070/10 Date Analyzed: 12/03/2012 15:01

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21203010.D Heated Purge: (Y/N) N

Calibration ID: 12569

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		998118	9.92	998924	12.54	831813	14.68
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-67070/12		594843	9.92	624609	12.54	454251	14.68
MRL 240-67070/13		775651	9.91	807050	12.54	626925	14.68
MB 240-65933/23-A		567124	9.92	584002	12.53	417389	14.68
LCS 240-65933/24-A		660166	9.92	664965	12.54	519884	14.68
240-17477-7	079SS-0005M-0001-SO	654892	9.91	674170	12.54	562194	14.67
240-17477-6	079SS-0004M-0001-SO	752712	9.92	762710	12.54	633760	14.68
240-17477-6 MS	079SS-0004M-0001-SO MS	707021	9.91	742660	12.54	601730	14.68
240-17477-6 MSD	079SS-0004M-0001-SO MSD	695210	9.92	686181	12.54	583787	14.68
MRL 240-67070/24		1039673	9.92	1040456	12.54	755234	14.68
mdll1 LODV		955227	9.91	922784	12.54	685010	14.68
mdll2 LODV		945623	9.92	937401	12.53	677012	14.68
mdll3 LODV		1040733	9.91	1043646	12.54	741905	14.68
mdll4 LODV		868189	9.91	847220	12.54	603734	14.67
CCV 240-67729/2		841048	9.82	850116	12.38	734023	14.47
MRL 240-67729/3		896068	9.82	829131	12.38	688574	14.47
MB 240-67436/23-A		585620	9.82	583771	12.38	465793	14.47
LCS 240-67436/24-A		576794	9.82	590901	12.38	473235	14.47
240-17477-6 RE	079SS-0004M-0001-SO RE	617527	9.82	644463	12.38	553312	14.47
240-17477-6 MS RE	079SS-0004M-0001-SO MS RE	633042	9.82	646974	12.38	548531	14.47
240-17477-6 MSD RE	079SS-0004M-0001-SO MSD RE	607420	9.82	626994	12.38	519111	14.47
240-17477-7 RE	079SS-0005M-0001-SO RE	579092	9.82	615345	12.38	498614	14.47
MRL 240-67729/15		1273090	9.82	1288644	12.38	1081295	14.47

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0013-0001-SW | Lab Sample ID: 240-17477-1

Matrix: Water | Lab File ID: 21116013.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 14:00

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 13:11

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.095	U	0.19	0.095	0.095
208-96-8	Acenaphthylene	0.095	U	0.19	0.095	0.095
120-12-7	Anthracene	0.095	U	0.19	0.095	0.095
56-55-3	Benzo[a]anthracene	0.095	U	0.19	0.095	0.095
50-32-8	Benzo[a]pyrene	0.095	U	0.19	0.095	0.095
205-99-2	Benzo[b]fluoranthene	0.095	U	0.19	0.095	0.095
191-24-2	Benzo[g,h,i]perylene	0.095	U	0.19	0.095	0.095
65-85-0	Benzoic acid	9.5	U	24	9.5	9.5
207-08-9	Benzo[k]fluoranthene	0.095	U	0.19	0.095	0.095
100-51-6	Benzyl alcohol	0.76	U	4.8	0.76	0.36
111-91-1	Bis(2-chloroethoxy)methane	0.76	U	0.95	0.76	0.30
111-44-4	Bis(2-chloroethyl)ether	0.095	U	0.95	0.095	0.095
108-60-1	bis (2-chloroisopropyl) ether	0.76	U	0.95	0.76	0.38
117-81-7	Bis(2-ethylhexyl) phthalate	23		1.9	0.76	0.76
101-55-3	4-Bromophenyl phenyl ether	0.76	U	1.9	0.76	0.76
85-68-7	Butyl benzyl phthalate	0.76	U	0.95	0.76	0.76
86-74-8	Carbazole	0.76	U	0.95	0.76	0.27
106-47-8	4-Chloroaniline	0.76	U	1.9	0.76	0.76
59-50-7	4-Chloro-3-methylphenol	0.76	U	1.9	0.76	0.76
91-58-7	2-Chloronaphthalene	0.095	U	0.95	0.095	0.095
95-57-8	2-Chlorophenol	0.76	U	0.95	0.76	0.28
7005-72-3	4-Chlorophenyl phenyl ether	0.76	U	1.9	0.76	0.29
218-01-9	Chrysene	0.095	U	0.19	0.095	0.095
53-70-3	Dibenz(a,h)anthracene	0.095	U	0.19	0.095	0.095
132-64-9	Dibenzofuran	0.095	U	0.95	0.095	0.095
106-46-7	1,4-Dichlorobenzene	0.76	U	0.95	0.76	0.32
95-50-1	1,2-Dichlorobenzene	0.76	U	0.95	0.76	0.28
541-73-1	1,3-Dichlorobenzene	0.76	U	0.95	0.76	0.76
91-94-1	3,3'-Dichlorobenzidine	0.76	U	4.8	0.76	0.35
120-83-2	2,4-Dichlorophenol	0.76	U	1.9	0.76	0.76
84-66-2	Diethyl phthalate	0.76	U	0.95	0.76	0.57
105-67-9	2,4-Dimethylphenol	0.76	U	1.9	0.76	0.76
131-11-3	Dimethyl phthalate	0.76	U	0.95	0.76	0.28
84-74-2	Di-n-butyl phthalate	0.76	U	0.95	0.76	0.64

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0013-0001-SW | Lab Sample ID: 240-17477-1

Matrix: Water | Lab File ID: 21116013.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 14:00

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 13:11

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.3	U	4.8	2.3	2.3
51-28-5	2,4-Dinitrophenol	2.3	U	4.8	2.3	2.3
121-14-2	2,4-Dinitrotoluene	0.76	U	4.8	0.76	0.26
606-20-2	2,6-Dinitrotoluene	0.76	U	4.8	0.76	0.76
117-84-0	Di-n-octyl phthalate	0.76	U	0.95	0.76	0.76
206-44-0	Fluoranthene	0.095	U	0.19	0.095	0.095
86-73-7	Fluorene	0.095	U	0.19	0.095	0.095
118-74-1	Hexachlorobenzene	0.095	U	0.19	0.095	0.095
87-68-3	Hexachlorobutadiene	0.76	U	0.95	0.76	0.26
77-47-4	Hexachlorocyclopentadiene	0.76	U	9.5	0.76	0.76
67-72-1	Hexachloroethane	0.76	U	0.95	0.76	0.76
193-39-5	Indeno[1,2,3-cd]pyrene	0.095	U	0.19	0.095	0.095
78-59-1	Isophorone	0.76	U	0.95	0.76	0.26
91-57-6	2-Methylnaphthalene	0.095	U	0.19	0.095	0.095
95-48-7	2-Methylphenol	0.76	U	0.95	0.76	0.76
15831-10-4	3 & 4 Methylphenol	0.76	U	1.9	0.76	0.76
91-20-3	Naphthalene	0.095	U	0.19	0.095	0.095
88-74-4	2-Nitroaniline	0.76	U	1.9	0.76	0.76
99-09-2	3-Nitroaniline	0.76	U	1.9	0.76	0.27
100-01-6	4-Nitroaniline	0.76	U	1.9	0.76	0.76
98-95-3	Nitrobenzene	0.095	U	0.95	0.095	0.038
88-75-5	2-Nitrophenol	0.76	U	1.9	0.76	0.27
100-02-7	4-Nitrophenol	2.3	U	4.8	2.3	2.3
621-64-7	N-Nitrosodi-n-propylamine	0.76	U	0.95	0.76	0.76
86-30-6	N-Nitrosodiphenylamine	0.76	U	0.95	0.76	0.30
87-86-5	Pentachlorophenol	2.3	U	4.8	2.3	2.3
85-01-8	Phenanthrene	0.095	U	0.19	0.095	0.095
108-95-2	Phenol	0.76	U	0.95	0.76	0.57
129-00-0	Pyrene	0.095	U	0.19	0.095	0.095
120-82-1	1,2,4-Trichlorobenzene	0.76	U	0.95	0.76	0.27
95-95-4	2,4,5-Trichlorophenol	0.76	U	4.8	0.76	0.29
88-06-2	2,4,6-Trichlorophenol	0.76	U	4.8	0.76	0.76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0013-0001-SW | Lab Sample ID: 240-17477-1

Matrix: Water | Lab File ID: 21116013.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 14:00

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 13:11

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	69		50-110
367-12-4	2-Fluorophenol (Surr)	66		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	71		40-110
1718-51-0	Terphenyl-d14 (Surr)	77		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	51		40-125
4165-62-2	Phenol-d5 (Surr)	69		10-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116013.D
Lims ID: 240-17477-B-1-A Client ID: 068SW-0013-0001-SW
Inject. Date: 16-Nov-2012 13:11:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015012-013
Misc. Info.: 240-17477-B-1-A =240-17477-B-1-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 65294 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m
Last Update: 17-Nov-2012 12:48:08 Calib Date: 15-Nov-2012 10:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 16-Nov-2012 13:48:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.675	3.677	-0.002	94	110513	4.00	
* 2 Naphthalene-d8	136	4.636	4.639	-0.003	99	450451	4.00	
* 3 Acenaphthene-d10	164	5.923	5.931	-0.008	71	303245	4.00	
* 4 Phenanthrene-d10	188	7.002	7.010	-0.008	98	545883	4.00	
* 5 Chrysene-d12	240	8.936	8.949	-0.013	77	578077	4.00	
* 6 Perylene-d12	264	10.196	10.215	-0.019	97	464215	4.00	
$ 7 2-Fluorophenol	112	2.671	2.673	-0.002	92	411827	9.96	
$ 8 Phenol-d5	99	3.365	3.373	-0.008	0	611451	10.3	
$ 9 Nitrobenzene-d5	82	4.086	4.094	-0.008	83	484644	7.10	
$ 10 2-Fluorobiphenyl (Surr)	172	5.416	5.424	-0.008	99	692522	6.86	
$ 11 2,4,6-Tribromophenol	330	6.495	6.503	-0.008	82	79645	7.58	
$ 12 Terphenyl-d14	244	8.135	8.142	-0.007	98	854205	7.69	
43 Phenol	94		3.383					9
69 Bis(2-chloroethyl)ether	93		3.458					9
46 2-Chlorophenol	128		3.522					
47 1,3-Dichlorobenzene	146		3.640					
48 1,4-Dichlorobenzene	146		3.693					
49 Benzyl alcohol	108		3.768					9
50 1,2-Dichlorobenzene	146		3.811					9
51 2-Methylphenol	108		3.848					9
53 2,2'-oxybis[1-chloropropane]	45		3.864					9
21 3 & 4 Methylphenol	108		3.960					
57 N-Nitrosodi-n-propylamine	70		3.971					9
61 Hexachloroethane	117		4.067					
62 Nitrobenzene	77		4.110					9
64 Isophorone	82		4.286					9
66 2-Nitrophenol	139		4.350					
65 2,4-Dimethylphenol	107		4.361					
70 Bis(2-chloroethoxy)methane	93		4.430					
71 Benzoic acid	122		4.468					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		4.526					
74 1,2,4-Trichlorobenzene	180		4.596					
75 Naphthalene	128		4.655					9
76 4-Chloroaniline	127		4.681					
79 Hexachlorobutadiene	225		4.740					
86 4-Chloro-3-methylphenol	107		5.034					
87 2-Methylnaphthalene	142		5.162					
89 Hexachlorocyclopentadiene	237		5.280					
92 2,4,6-Trichlorophenol	196		5.365					
93 2,4,5-Trichlorophenol	196		5.397					
100 2-Chloronaphthalene	162		5.525					
102 2-Nitroaniline	65		5.589					
105 Dimethyl phthalate	163		5.701					
107 2,6-Dinitrotoluene	165		5.755					
109 Acenaphthylene	152		5.830					
110 3-Nitroaniline	138		5.883					
112 Acenaphthene	153		5.953					
111 2,4-Dinitrophenol	184		5.963					
113 4-Nitrophenol	109		5.995					9
114 2,4-Dinitrotoluene	165		6.054					
116 Dibenzofuran	168		6.081					
121 Diethyl phthalate	149		6.209					9
123 4-Chlorophenyl phenyl ether	204		6.310					
126 Fluorene	166		6.326					9
125 4-Nitroaniline	138		6.332					
128 4,6-Dinitro-2-methylphenol	198		6.353					
131 N-Nitrosodiphenylamine	169		6.396					
139 4-Bromophenyl phenyl ether	248		6.663					
141 Hexachlorobenzene	284		6.738					
143 Pentachlorophenol	266		6.871					9
148 Phenanthrene	178		7.026					
149 Anthracene	178		7.063					
151 Carbazole	167		7.170					
154 Di-n-butyl phthalate	149		7.379					
159 Fluoranthene	202		7.891					
161 Pyrene	202		8.062					9
168 Butyl benzyl phthalate	149		8.473					
173 Bis(2-ethylhexyl) phthalate	149	8.872	8.879	-0.007	95	1346568	12.1	
175 3,3'-Dichlorobenzidine	252		8.901					
177 Benzo[a]anthracene	228		8.944					9
178 Chrysene	228		8.970					9
180 Di-n-octyl phthalate	149		9.365					
182 Benzo[b]fluoranthene	252		9.830					
183 Benzo[k]fluoranthene	252		9.857					
184 Benzo[a]pyrene	252		10.161					9
188 Indeno[1,2,3-cd]pyrene	276		11.577					
189 Dibenz(a,h)anthracene	278		11.577					
190 Benzo[g,h,i]perylene	276		11.983					

QC Flag Legend

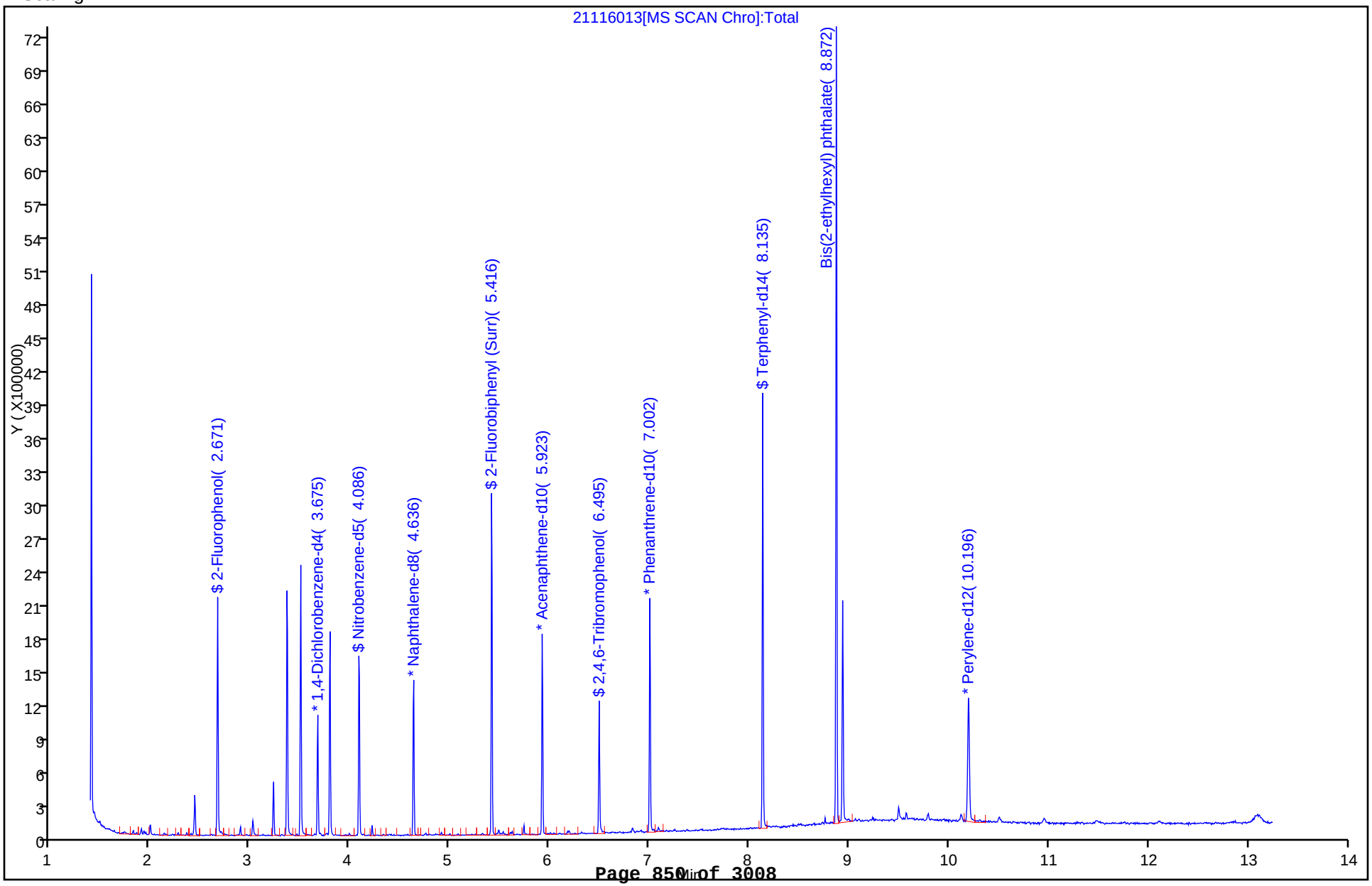
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 17-Nov-2012 12:48:14 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116013.D		
Injection Date:	16-Nov-2012 13:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SW-0013-0001-SW	Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



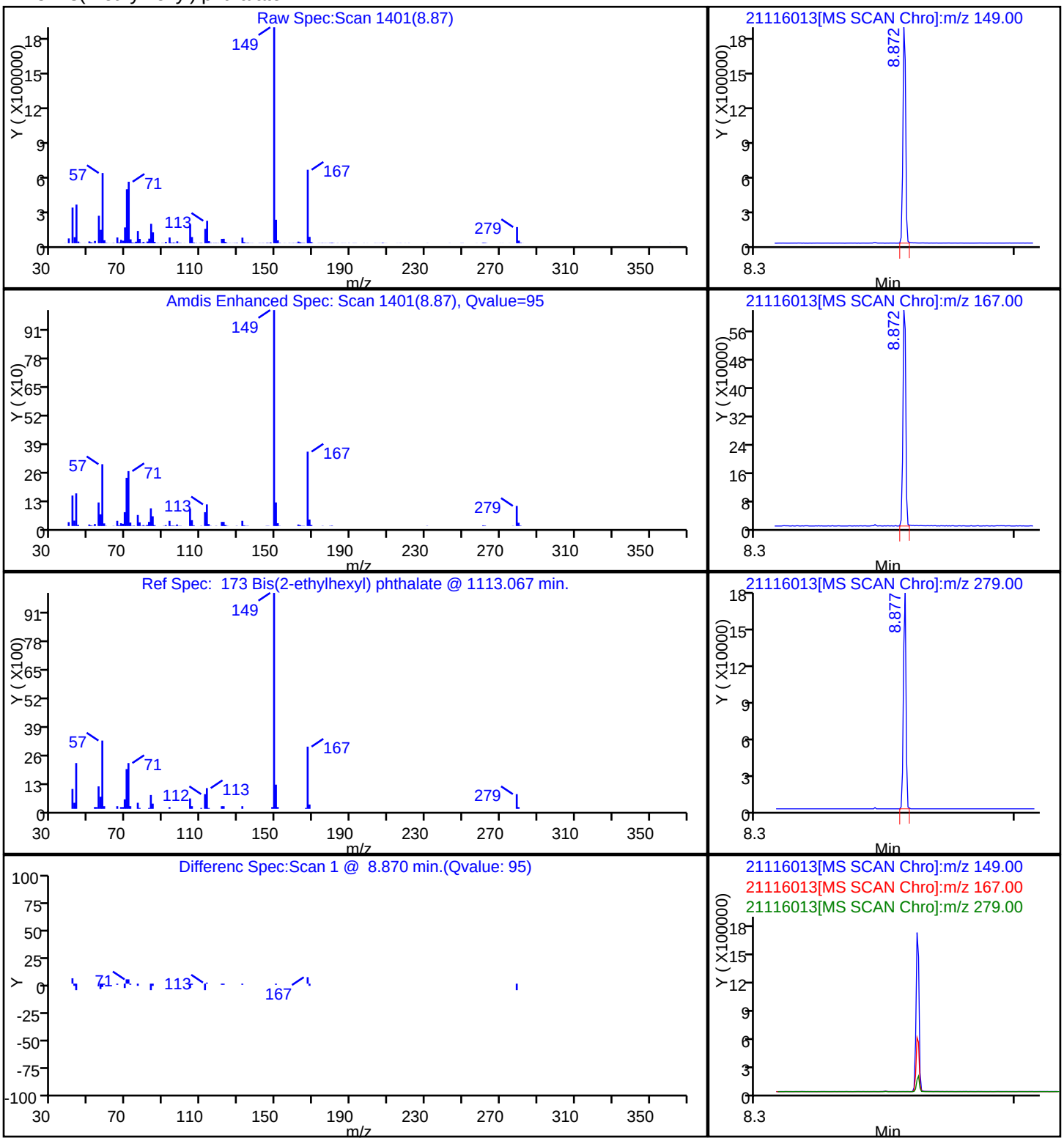
Report Date: 17-Nov-2012 12:48:14 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116013.D

Injection Date:	16-Nov-2012 13:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SW-0013-0001-SW	Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0014-0001-SW | Lab Sample ID: 240-17477-2

Matrix: Water | Lab File ID: 21116014.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 13:30

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.095	U	0.19	0.095	0.095
208-96-8	Acenaphthylene	0.095	U	0.19	0.095	0.095
120-12-7	Anthracene	0.095	U	0.19	0.095	0.095
56-55-3	Benzo[a]anthracene	0.095	U	0.19	0.095	0.095
50-32-8	Benzo[a]pyrene	0.095	U	0.19	0.095	0.095
205-99-2	Benzo[b]fluoranthene	0.095	U	0.19	0.095	0.095
191-24-2	Benzo[g,h,i]perylene	0.095	U	0.19	0.095	0.095
65-85-0	Benzoic acid	9.5	U	24	9.5	9.5
207-08-9	Benzo[k]fluoranthene	0.095	U	0.19	0.095	0.095
100-51-6	Benzyl alcohol	0.76	U	4.8	0.76	0.36
111-91-1	Bis(2-chloroethoxy)methane	0.76	U	0.95	0.76	0.30
111-44-4	Bis(2-chloroethyl)ether	0.095	U	0.95	0.095	0.095
108-60-1	bis (2-chloroisopropyl) ether	0.76	U	0.95	0.76	0.38
117-81-7	Bis(2-ethylhexyl) phthalate	2.8		1.9	0.76	0.76
101-55-3	4-Bromophenyl phenyl ether	0.76	U	1.9	0.76	0.76
85-68-7	Butyl benzyl phthalate	0.76	U	0.95	0.76	0.76
86-74-8	Carbazole	0.76	U	0.95	0.76	0.27
106-47-8	4-Chloroaniline	0.76	U	1.9	0.76	0.76
59-50-7	4-Chloro-3-methylphenol	0.76	U	1.9	0.76	0.76
91-58-7	2-Chloronaphthalene	0.095	U	0.95	0.095	0.095
95-57-8	2-Chlorophenol	0.76	U	0.95	0.76	0.28
7005-72-3	4-Chlorophenyl phenyl ether	0.76	U	1.9	0.76	0.29
218-01-9	Chrysene	0.095	U	0.19	0.095	0.095
53-70-3	Dibenz(a,h)anthracene	0.095	U	0.19	0.095	0.095
132-64-9	Dibenzofuran	0.095	U	0.95	0.095	0.095
106-46-7	1,4-Dichlorobenzene	0.76	U	0.95	0.76	0.32
95-50-1	1,2-Dichlorobenzene	0.76	U	0.95	0.76	0.28
541-73-1	1,3-Dichlorobenzene	0.76	U	0.95	0.76	0.76
91-94-1	3,3'-Dichlorobenzidine	0.76	U	4.8	0.76	0.35
120-83-2	2,4-Dichlorophenol	0.76	U	1.9	0.76	0.76
84-66-2	Diethyl phthalate	0.76	U	0.95	0.76	0.57
105-67-9	2,4-Dimethylphenol	0.76	U	1.9	0.76	0.76
131-11-3	Dimethyl phthalate	0.76	U	0.95	0.76	0.28
84-74-2	Di-n-butyl phthalate	0.76	U	0.95	0.76	0.64

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0014-0001-SW | Lab Sample ID: 240-17477-2

Matrix: Water | Lab File ID: 21116014.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 13:30

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.3	U	4.8	2.3	2.3
51-28-5	2,4-Dinitrophenol	2.3	U	4.8	2.3	2.3
121-14-2	2,4-Dinitrotoluene	0.76	U	4.8	0.76	0.26
606-20-2	2,6-Dinitrotoluene	0.76	U	4.8	0.76	0.76
117-84-0	Di-n-octyl phthalate	0.76	U	0.95	0.76	0.76
206-44-0	Fluoranthene	0.095	U	0.19	0.095	0.095
86-73-7	Fluorene	0.095	U	0.19	0.095	0.095
118-74-1	Hexachlorobenzene	0.095	U	0.19	0.095	0.095
87-68-3	Hexachlorobutadiene	0.76	U	0.95	0.76	0.26
77-47-4	Hexachlorocyclopentadiene	0.76	U	9.5	0.76	0.76
67-72-1	Hexachloroethane	0.76	U	0.95	0.76	0.76
193-39-5	Indeno[1,2,3-cd]pyrene	0.095	U	0.19	0.095	0.095
78-59-1	Isophorone	0.76	U	0.95	0.76	0.26
91-57-6	2-Methylnaphthalene	0.095	U	0.19	0.095	0.095
95-48-7	2-Methylphenol	0.76	U	0.95	0.76	0.76
15831-10-4	3 & 4 Methylphenol	0.76	U	1.9	0.76	0.76
91-20-3	Naphthalene	0.095	U	0.19	0.095	0.095
88-74-4	2-Nitroaniline	0.76	U	1.9	0.76	0.76
99-09-2	3-Nitroaniline	0.76	U	1.9	0.76	0.27
100-01-6	4-Nitroaniline	0.76	U	1.9	0.76	0.76
98-95-3	Nitrobenzene	0.095	U	0.95	0.095	0.038
88-75-5	2-Nitrophenol	0.76	U	1.9	0.76	0.27
100-02-7	4-Nitrophenol	2.3	U	4.8	2.3	2.3
621-64-7	N-Nitrosodi-n-propylamine	0.76	U	0.95	0.76	0.76
86-30-6	N-Nitrosodiphenylamine	0.76	U	0.95	0.76	0.30
87-86-5	Pentachlorophenol	2.3	U	4.8	2.3	2.3
85-01-8	Phenanthrene	0.095	U	0.19	0.095	0.095
108-95-2	Phenol	0.76	U	0.95	0.76	0.57
129-00-0	Pyrene	0.095	U	0.19	0.095	0.095
120-82-1	1,2,4-Trichlorobenzene	0.76	U	0.95	0.76	0.27
95-95-4	2,4,5-Trichlorophenol	0.76	U	4.8	0.76	0.29
88-06-2	2,4,6-Trichlorophenol	0.76	U	4.8	0.76	0.76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0014-0001-SW | Lab Sample ID: 240-17477-2

Matrix: Water | Lab File ID: 21116014.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 13:30

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	70		50-110
367-12-4	2-Fluorophenol (Surr)	75		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	71		40-110
1718-51-0	Terphenyl-d14 (Surr)	72		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	73		40-125
4165-62-2	Phenol-d5 (Surr)	77		10-115

Report Date: 17-Nov-2012 12:48:14 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116014.D
Lims ID: 240-17477-C-2-A Client ID: 068SW-0014-0001-SW
Inject. Date: 16-Nov-2012 13:30:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015012-014
Misc. Info.: 240-17477-C-2-A =240-17477-C-2-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 65294 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m
Last Update: 17-Nov-2012 12:48:08 Calib Date: 15-Nov-2012 10:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 16-Nov-2012 14:02:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.677	3.677	0.0	89	114309	4.00	
* 2 Naphthalene-d8	136	4.633	4.639	-0.006	99	462314	4.00	
* 3 Acenaphthene-d10	164	5.926	5.931	-0.005	75	304388	4.00	
* 4 Phenanthrene-d10	188	7.004	7.010	-0.006	98	562169	4.00	
* 5 Chrysene-d12	240	8.933	8.949	-0.016	81	618998	4.00	
* 6 Perylene-d12	264	10.193	10.215	-0.022	93	505198	4.00	
$ 7 2-Fluorophenol	112	2.673	2.673	0.0	93	478331	11.2	
$ 8 Phenol-d5	99	3.367	3.373	-0.006	0	702718	11.5	
$ 9 Nitrobenzene-d5	82	4.088	4.094	-0.006	83	500733	7.14	
$ 10 2-Fluorobiphenyl (Surr)	172	5.418	5.424	-0.006	99	712856	7.04	
$ 11 2,4,6-Tribromophenol	330	6.497	6.503	-0.006	87	115605	11.0	
$ 12 Terphenyl-d14	244	8.137	8.142	-0.005	98	852110	7.16	
43 Phenol	94		3.383					9
69 Bis(2-chloroethyl)ether	93		3.458					9
46 2-Chlorophenol	128		3.522					9
47 1,3-Dichlorobenzene	146		3.640					
48 1,4-Dichlorobenzene	146		3.693					
49 Benzyl alcohol	108		3.768					9
50 1,2-Dichlorobenzene	146		3.811					9
51 2-Methylphenol	108		3.848					9
53 2,2'-oxybis[1-chloropropane]	45		3.864					9
21 3 & 4 Methylphenol	108		3.960					
57 N-Nitrosodi-n-propylamine	70		3.971					
61 Hexachloroethane	117		4.067					
62 Nitrobenzene	77		4.110					9
64 Isophorone	82		4.286					9
66 2-Nitrophenol	139		4.350					
65 2,4-Dimethylphenol	107		4.361					
70 Bis(2-chloroethoxy)methane	93		4.430					
71 Benzoic acid	122		4.468					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		4.526					
74 1,2,4-Trichlorobenzene	180		4.596					
75 Naphthalene	128		4.655					
76 4-Chloroaniline	127		4.681					
79 Hexachlorobutadiene	225		4.740					
86 4-Chloro-3-methylphenol	107		5.034					
87 2-Methylnaphthalene	142		5.162					9
89 Hexachlorocyclopentadiene	237		5.280					
92 2,4,6-Trichlorophenol	196		5.365					
93 2,4,5-Trichlorophenol	196		5.397					
100 2-Chloronaphthalene	162		5.525					
102 2-Nitroaniline	65		5.589					
105 Dimethyl phthalate	163		5.701					
107 2,6-Dinitrotoluene	165		5.755					9
109 Acenaphthylene	152		5.830					
110 3-Nitroaniline	138		5.883					
112 Acenaphthene	153		5.953					
111 2,4-Dinitrophenol	184		5.963					
113 4-Nitrophenol	109		5.995					
114 2,4-Dinitrotoluene	165		6.054					
116 Dibenzofuran	168		6.081					
121 Diethyl phthalate	149		6.209					9
123 4-Chlorophenyl phenyl ether	204		6.310					
126 Fluorene	166		6.326					
125 4-Nitroaniline	138		6.332					
128 4,6-Dinitro-2-methylphenol	198		6.353					
131 N-Nitrosodiphenylamine	169		6.396					
139 4-Bromophenyl phenyl ether	248		6.663					
141 Hexachlorobenzene	284		6.738					
143 Pentachlorophenol	266		6.871					
148 Phenanthrene	178		7.026					9
149 Anthracene	178		7.063					9
151 Carbazole	167		7.170					9
154 Di-n-butyl phthalate	149		7.379					9
159 Fluoranthene	202		7.891					9
161 Pyrene	202		8.062					9
168 Butyl benzyl phthalate	149		8.473					
173 Bis(2-ethylhexyl) phthalate	149	8.868	8.879	-0.011	95	173341	1.46	
175 3,3'-Dichlorobenzidine	252		8.901					
177 Benzo[a]anthracene	228		8.944					9
178 Chrysene	228		8.970					9
180 Di-n-octyl phthalate	149		9.365					
182 Benzo[b]fluoranthene	252		9.830					
183 Benzo[k]fluoranthene	252		9.857					
184 Benzo[a]pyrene	252		10.161					9
188 Indeno[1,2,3-cd]pyrene	276		11.577					
189 Dibenz(a,h)anthracene	278		11.577					
190 Benzo[g,h,i]perylene	276		11.983					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

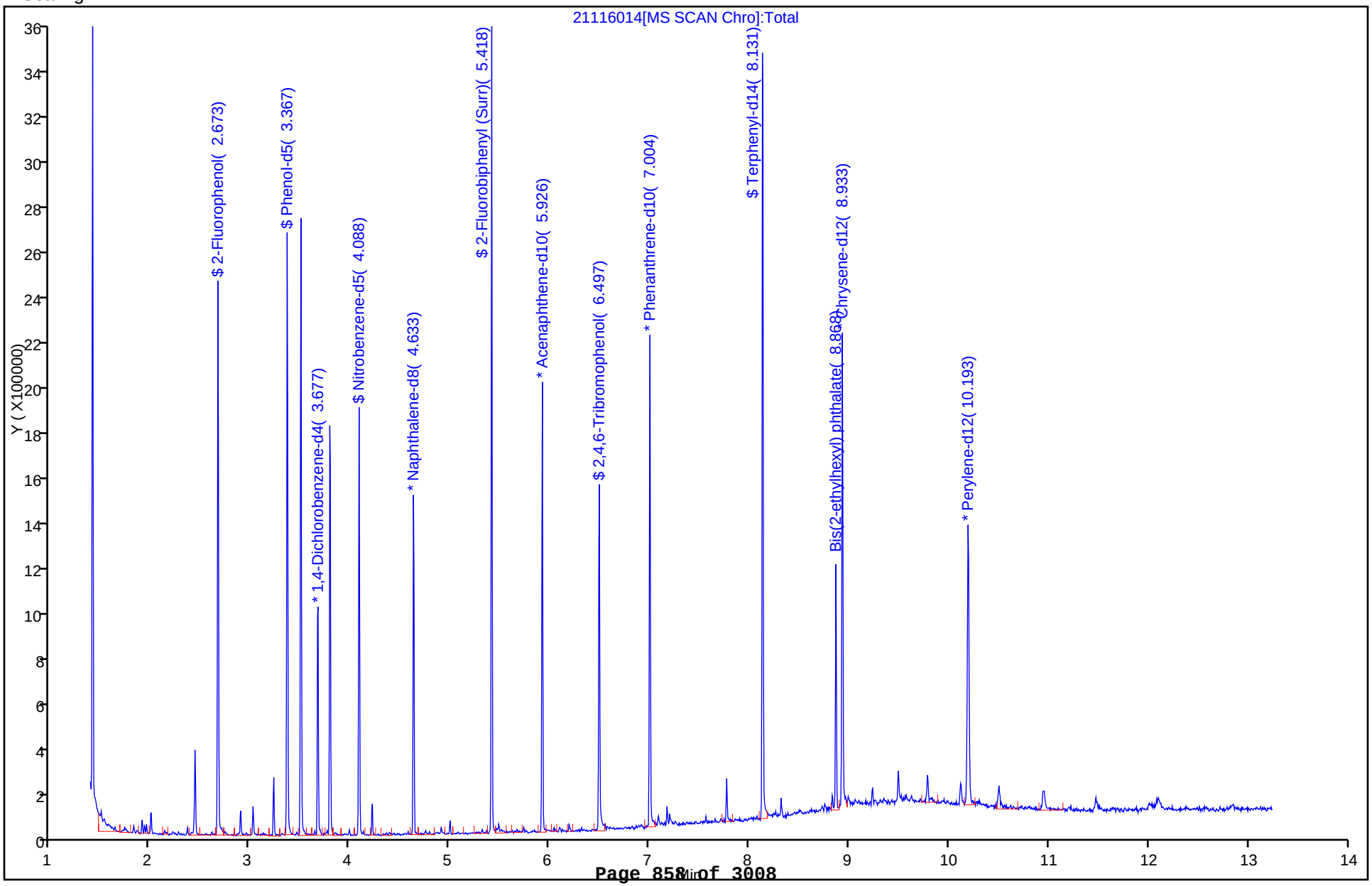
Report Date: 17-Nov-2012 12:48:14 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116014.D

Injection Date:	16-Nov-2012 13:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SW-0014-0001-SW	Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



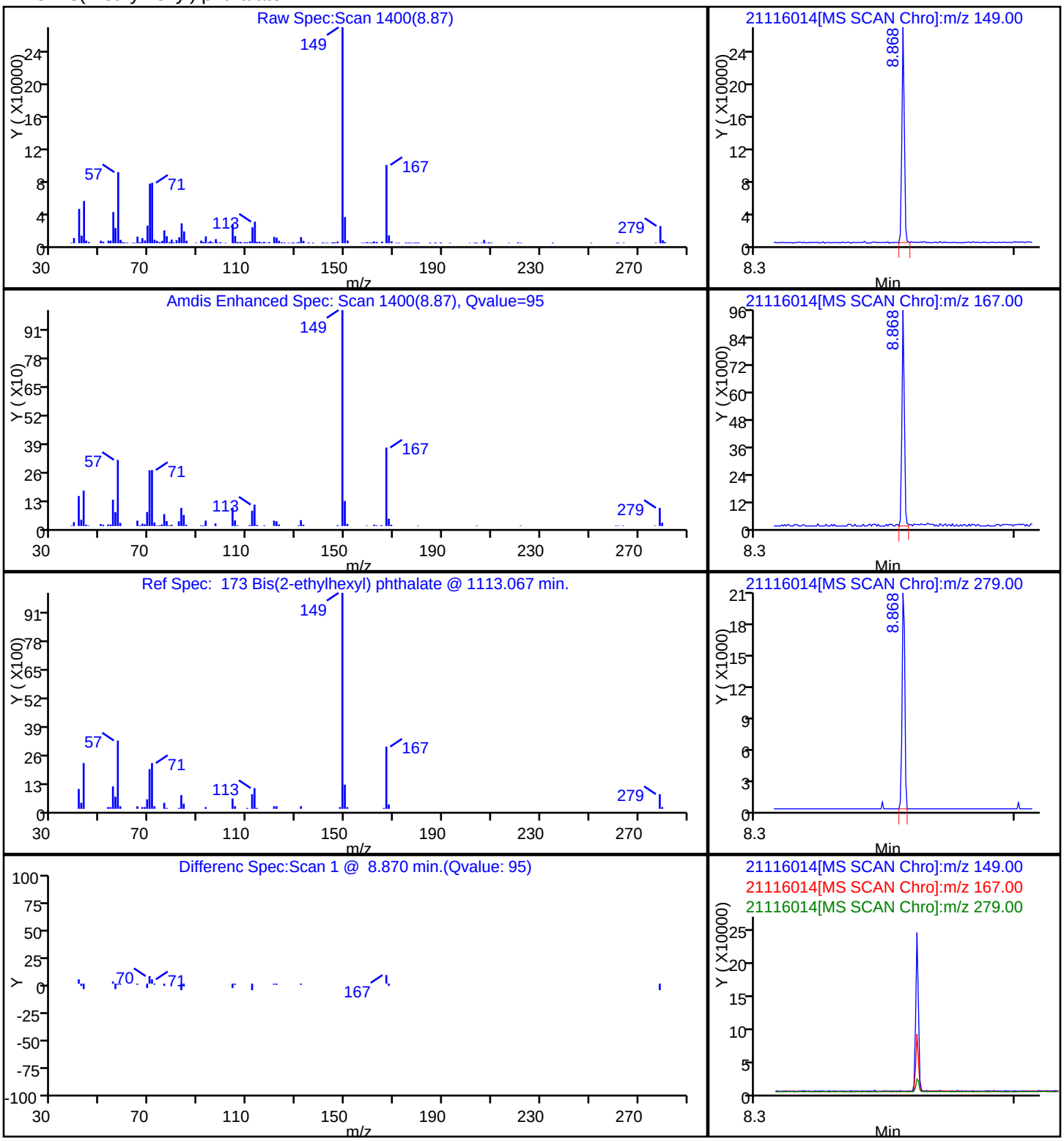
Report Date: 17-Nov-2012 12:48:14 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116014.D

Injection Date:	16-Nov-2012 13:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SW-0014-0001-SW	Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0015-0001-SW | Lab Sample ID: 240-17477-3

Matrix: Water | Lab File ID: 21116015.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:40

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 13:49

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.095	U	0.19	0.095	0.095
208-96-8	Acenaphthylene	0.095	U	0.19	0.095	0.095
120-12-7	Anthracene	0.095	U	0.19	0.095	0.095
56-55-3	Benzo[a]anthracene	0.095	U	0.19	0.095	0.095
50-32-8	Benzo[a]pyrene	0.095	U	0.19	0.095	0.095
205-99-2	Benzo[b]fluoranthene	0.095	U	0.19	0.095	0.095
191-24-2	Benzo[g,h,i]perylene	0.095	U	0.19	0.095	0.095
65-85-0	Benzoic acid	9.5	U	24	9.5	9.5
207-08-9	Benzo[k]fluoranthene	0.095	U	0.19	0.095	0.095
100-51-6	Benzyl alcohol	0.76	U	4.8	0.76	0.36
111-91-1	Bis(2-chloroethoxy)methane	0.76	U	0.95	0.76	0.30
111-44-4	Bis(2-chloroethyl)ether	0.095	U	0.95	0.095	0.095
108-60-1	bis (2-chloroisopropyl) ether	0.76	U	0.95	0.76	0.38
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	J	1.9	0.76	0.76
101-55-3	4-Bromophenyl phenyl ether	0.76	U	1.9	0.76	0.76
85-68-7	Butyl benzyl phthalate	0.76	U	0.95	0.76	0.76
86-74-8	Carbazole	0.76	U	0.95	0.76	0.27
106-47-8	4-Chloroaniline	0.76	U	1.9	0.76	0.76
59-50-7	4-Chloro-3-methylphenol	0.76	U	1.9	0.76	0.76
91-58-7	2-Chloronaphthalene	0.095	U	0.95	0.095	0.095
95-57-8	2-Chlorophenol	0.76	U	0.95	0.76	0.28
7005-72-3	4-Chlorophenyl phenyl ether	0.76	U	1.9	0.76	0.29
218-01-9	Chrysene	0.095	U	0.19	0.095	0.095
53-70-3	Dibenz(a,h)anthracene	0.095	U	0.19	0.095	0.095
132-64-9	Dibenzofuran	0.095	U	0.95	0.095	0.095
106-46-7	1,4-Dichlorobenzene	0.76	U	0.95	0.76	0.32
95-50-1	1,2-Dichlorobenzene	0.76	U	0.95	0.76	0.28
541-73-1	1,3-Dichlorobenzene	0.76	U	0.95	0.76	0.76
91-94-1	3,3'-Dichlorobenzidine	0.76	U	4.8	0.76	0.35
120-83-2	2,4-Dichlorophenol	0.76	U	1.9	0.76	0.76
84-66-2	Diethyl phthalate	0.76	U	0.95	0.76	0.57
105-67-9	2,4-Dimethylphenol	0.76	U	1.9	0.76	0.76
131-11-3	Dimethyl phthalate	0.76	U	0.95	0.76	0.28
84-74-2	Di-n-butyl phthalate	0.76	U	0.95	0.76	0.64

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0015-0001-SW | Lab Sample ID: 240-17477-3

Matrix: Water | Lab File ID: 21116015.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:40

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 13:49

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.3	U	4.8	2.3	2.3
51-28-5	2,4-Dinitrophenol	2.3	U	4.8	2.3	2.3
121-14-2	2,4-Dinitrotoluene	0.76	U	4.8	0.76	0.26
606-20-2	2,6-Dinitrotoluene	0.76	U	4.8	0.76	0.76
117-84-0	Di-n-octyl phthalate	0.76	U	0.95	0.76	0.76
206-44-0	Fluoranthene	0.095	U	0.19	0.095	0.095
86-73-7	Fluorene	0.095	U	0.19	0.095	0.095
118-74-1	Hexachlorobenzene	0.095	U	0.19	0.095	0.095
87-68-3	Hexachlorobutadiene	0.76	U	0.95	0.76	0.26
77-47-4	Hexachlorocyclopentadiene	0.76	U	9.5	0.76	0.76
67-72-1	Hexachloroethane	0.76	U	0.95	0.76	0.76
193-39-5	Indeno[1,2,3-cd]pyrene	0.095	U	0.19	0.095	0.095
78-59-1	Isophorone	0.76	U	0.95	0.76	0.26
91-57-6	2-Methylnaphthalene	0.095	U	0.19	0.095	0.095
95-48-7	2-Methylphenol	0.76	U	0.95	0.76	0.76
15831-10-4	3 & 4 Methylphenol	0.76	U	1.9	0.76	0.76
91-20-3	Naphthalene	0.095	U	0.19	0.095	0.095
88-74-4	2-Nitroaniline	0.76	U	1.9	0.76	0.76
99-09-2	3-Nitroaniline	0.76	U	1.9	0.76	0.27
100-01-6	4-Nitroaniline	0.76	U	1.9	0.76	0.76
98-95-3	Nitrobenzene	0.095	U	0.95	0.095	0.038
88-75-5	2-Nitrophenol	0.76	U	1.9	0.76	0.27
100-02-7	4-Nitrophenol	2.3	U	4.8	2.3	2.3
621-64-7	N-Nitrosodi-n-propylamine	0.76	U	0.95	0.76	0.76
86-30-6	N-Nitrosodiphenylamine	0.76	U	0.95	0.76	0.30
87-86-5	Pentachlorophenol	2.3	U	4.8	2.3	2.3
85-01-8	Phenanthrene	0.095	U	0.19	0.095	0.095
108-95-2	Phenol	0.76	U	0.95	0.76	0.57
129-00-0	Pyrene	0.095	U	0.19	0.095	0.095
120-82-1	1,2,4-Trichlorobenzene	0.76	U	0.95	0.76	0.27
95-95-4	2,4,5-Trichlorophenol	0.76	U	4.8	0.76	0.29
88-06-2	2,4,6-Trichlorophenol	0.76	U	4.8	0.76	0.76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0015-0001-SW | Lab Sample ID: 240-17477-3

Matrix: Water | Lab File ID: 21116015.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:40

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 13:49

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		50-110
367-12-4	2-Fluorophenol (Surr)	69		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	70		40-110
1718-51-0	Terphenyl-d14 (Surr)	69		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	68		40-125
4165-62-2	Phenol-d5 (Surr)	71		10-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116015.D
Lims ID: 240-17477-B-3-A
Client ID: 068SW-0015-0001-SW
Inject. Date: 16-Nov-2012 13:49:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015012-015
Misc. Info.: 240-17477-B-3-A =240-17477-B-3-A
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 15
Lims Batch ID: 65294
Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m
Last Update: 17-Nov-2012 12:48:08
Calib Date: 15-Nov-2012 10:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm
Date: 16-Nov-2012 14:47:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.676	3.677	-0.001	85	122991	4.00	
* 2 Naphthalene-d8	136	4.632	4.639	-0.007	98	468364	4.00	
* 3 Acenaphthene-d10	164	5.925	5.931	-0.006	76	308618	4.00	
* 4 Phenanthrene-d10	188	7.004	7.010	-0.006	99	563467	4.00	
* 5 Chrysene-d12	240	8.937	8.949	-0.012	80	640468	4.00	
* 6 Perylene-d12	264	10.203	10.215	-0.012	93	510225	4.00	
$ 7 2-Fluorophenol	112	2.677	2.673	0.004	93	475327	10.3	
$ 8 Phenol-d5	99	3.372	3.373	-0.001	0	698782	10.6	
$ 9 Nitrobenzene-d5	82	4.087	4.094	-0.007	83	498439	7.02	
$ 10 2-Fluorobiphenyl (Surr)	172	5.417	5.424	-0.007	99	692909	6.75	
$ 11 2,4,6-Tribromophenol	330	6.496	6.503	-0.007	84	108725	10.2	
$ 12 Terphenyl-d14	244	8.136	8.142	-0.006	99	855024	6.94	
43 Phenol	94		3.383					9
69 Bis(2-chloroethyl)ether	93		3.458					9
46 2-Chlorophenol	128		3.522					9
47 1,3-Dichlorobenzene	146		3.640					
48 1,4-Dichlorobenzene	146		3.693					
49 Benzyl alcohol	108		3.768					9
50 1,2-Dichlorobenzene	146		3.811					9
51 2-Methylphenol	108		3.848					9
53 2,2'-oxybis[1-chloropropane]	45		3.864					9
21 3 & 4 Methylphenol	108		3.960					
57 N-Nitrosodi-n-propylamine	70		3.971					
61 Hexachloroethane	117		4.067					
62 Nitrobenzene	77		4.110					9
64 Isophorone	82		4.286					
66 2-Nitrophenol	139		4.350					
65 2,4-Dimethylphenol	107		4.361					
70 Bis(2-chloroethoxy)methane	93		4.430					
71 Benzoic acid	122		4.468					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		4.526					
74 1,2,4-Trichlorobenzene	180		4.596					
75 Naphthalene	128		4.655					9
76 4-Chloroaniline	127		4.681					
79 Hexachlorobutadiene	225		4.740					
86 4-Chloro-3-methylphenol	107		5.034					
87 2-Methylnaphthalene	142		5.162					
89 Hexachlorocyclopentadiene	237		5.280					
92 2,4,6-Trichlorophenol	196		5.365					
93 2,4,5-Trichlorophenol	196		5.397					
100 2-Chloronaphthalene	162		5.525					
102 2-Nitroaniline	65		5.589					9
105 Dimethyl phthalate	163		5.701					
107 2,6-Dinitrotoluene	165		5.755					
109 Acenaphthylene	152		5.830					
110 3-Nitroaniline	138		5.883					
112 Acenaphthene	153		5.953					
111 2,4-Dinitrophenol	184		5.963					
113 4-Nitrophenol	109		5.995					9
114 2,4-Dinitrotoluene	165		6.054					
116 Dibenzofuran	168		6.081					
121 Diethyl phthalate	149		6.209					9
123 4-Chlorophenyl phenyl ether	204		6.310					
126 Fluorene	166		6.326					
125 4-Nitroaniline	138		6.332					
128 4,6-Dinitro-2-methylphenol	198		6.353					
131 N-Nitrosodiphenylamine	169		6.396					
139 4-Bromophenyl phenyl ether	248		6.663					
141 Hexachlorobenzene	284		6.738					
143 Pentachlorophenol	266		6.871					9
148 Phenanthrene	178		7.026					
149 Anthracene	178		7.063					
151 Carbazole	167		7.170					9
154 Di-n-butyl phthalate	149		7.379					9
159 Fluoranthene	202		7.891					9
161 Pyrene	202		8.062					9
168 Butyl benzyl phthalate	149		8.473					
173 Bis(2-ethylhexyl) phthalate	149	8.873	8.879	-0.006	95	108416	0.8829	
175 3,3'-Dichlorobenzidine	252		8.901					
177 Benzo[a]anthracene	228		8.944					9
178 Chrysene	228		8.970					9
180 Di-n-octyl phthalate	149		9.365					
182 Benzo[b]fluoranthene	252		9.830					
183 Benzo[k]fluoranthene	252		9.857					
184 Benzo[a]pyrene	252		10.161					9
188 Indeno[1,2,3-cd]pyrene	276		11.577					
189 Dibenz(a,h)anthracene	278		11.577					
190 Benzo[g,h,i]perylene	276		11.983					

QC Flag Legend

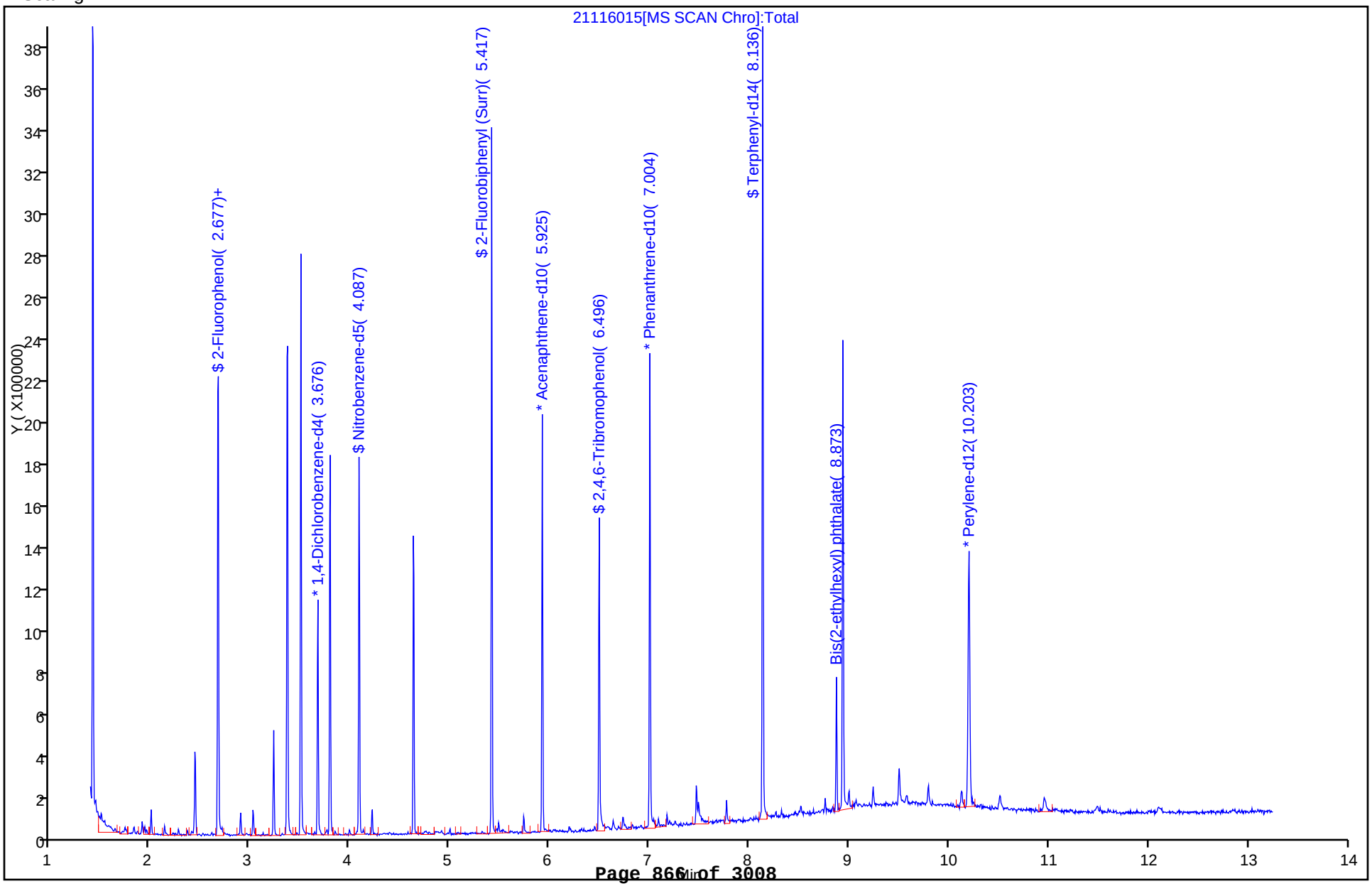
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 17-Nov-2012 12:48:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116015.D		
Injection Date:	16-Nov-2012 13:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SW-0015-0001-SW	Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



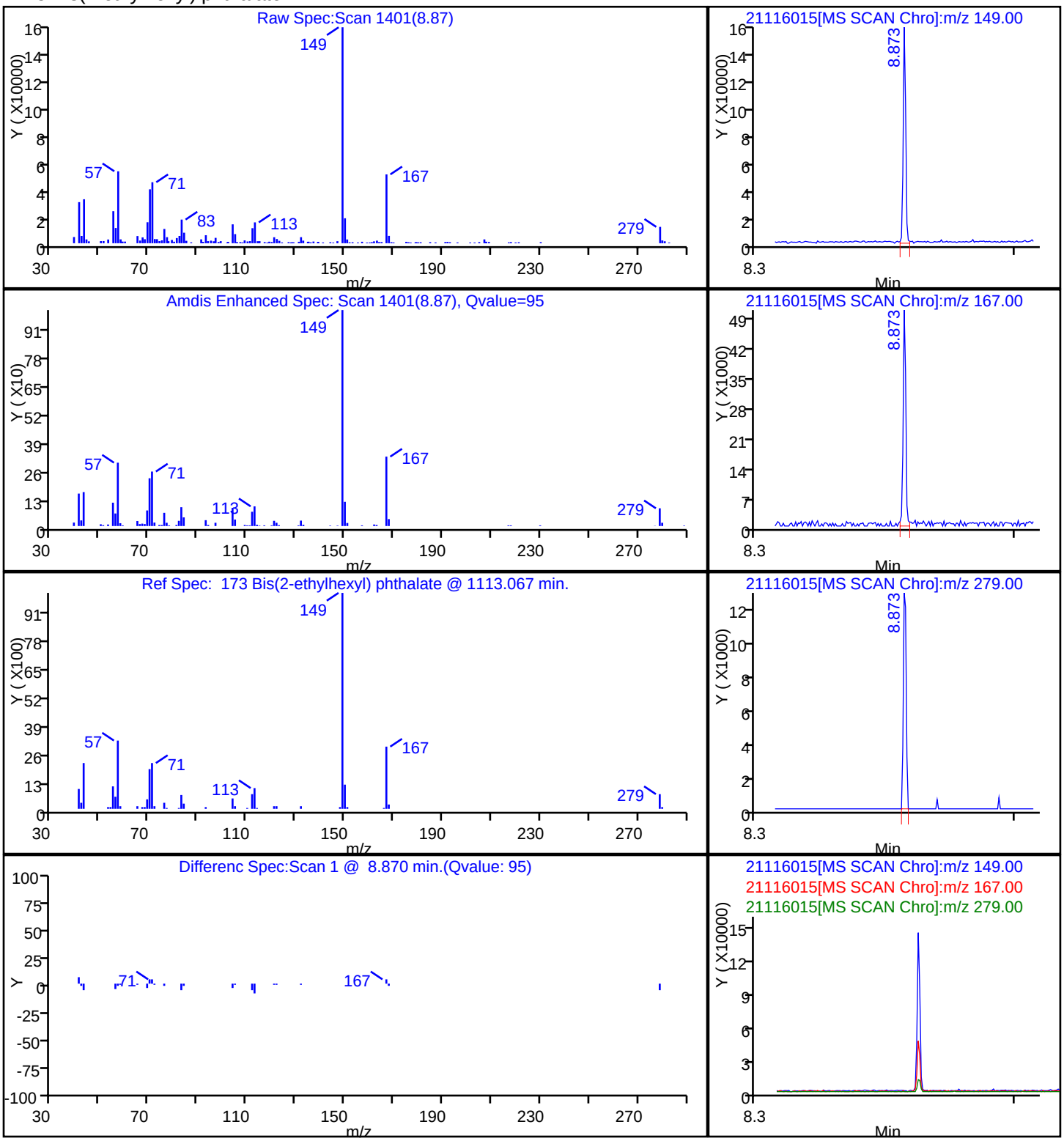
Report Date: 17-Nov-2012 12:48:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116015.D

Injection Date:	16-Nov-2012 13:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SW-0015-0001-SW	Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW | Lab Sample ID: 240-17477-4

Matrix: Water | Lab File ID: 21116016.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 14:08

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.095	U	0.19	0.095	0.095
208-96-8	Acenaphthylene	0.095	U	0.19	0.095	0.095
120-12-7	Anthracene	0.095	U	0.19	0.095	0.095
56-55-3	Benzo[a]anthracene	0.095	U	0.19	0.095	0.095
50-32-8	Benzo[a]pyrene	0.095	U J	0.19	0.095	0.095
205-99-2	Benzo[b]fluoranthene	0.095	U	0.19	0.095	0.095
191-24-2	Benzo[g,h,i]perylene	0.095	U J	0.19	0.095	0.095
65-85-0	Benzoic acid	9.5	U	24	9.5	9.5
207-08-9	Benzo[k]fluoranthene	0.095	U	0.19	0.095	0.095
100-51-6	Benzyl alcohol	0.76	U	4.8	0.76	0.36
111-91-1	Bis(2-chloroethoxy)methane	0.76	U	0.95	0.76	0.30
111-44-4	Bis(2-chloroethyl)ether	0.095	U J	0.95	0.095	0.095
108-60-1	bis (2-chloroisopropyl) ether	0.76	U J	0.95	0.76	0.38
117-81-7	Bis(2-ethylhexyl) phthalate	0.76	U J	1.9	0.76	0.76
101-55-3	4-Bromophenyl phenyl ether	0.76	U	1.9	0.76	0.76
85-68-7	Butyl benzyl phthalate	0.76	U	0.95	0.76	0.76
86-74-8	Carbazole	0.76	U	0.95	0.76	0.27
106-47-8	4-Chloroaniline	0.76	U	1.9	0.76	0.76
59-50-7	4-Chloro-3-methylphenol	0.76	U	1.9	0.76	0.76
91-58-7	2-Chloronaphthalene	0.095	U	0.95	0.095	0.095
95-57-8	2-Chlorophenol	0.76	U	0.95	0.76	0.28
7005-72-3	4-Chlorophenyl phenyl ether	0.76	U	1.9	0.76	0.29
218-01-9	Chrysene	0.095	U	0.19	0.095	0.095
53-70-3	Dibenz(a,h)anthracene	0.095	U J	0.19	0.095	0.095
132-64-9	Dibenzofuran	0.095	U	0.95	0.095	0.095
106-46-7	1,4-Dichlorobenzene	0.76	U J	0.95	0.76	0.32
95-50-1	1,2-Dichlorobenzene	0.76	U J	0.95	0.76	0.28
541-73-1	1,3-Dichlorobenzene	0.76	U J	0.95	0.76	0.76
91-94-1	3,3'-Dichlorobenzidine	0.76	U J	4.8	0.76	0.35
120-83-2	2,4-Dichlorophenol	0.76	U	1.9	0.76	0.76
84-66-2	Diethyl phthalate	0.76	U	0.95	0.76	0.57
105-67-9	2,4-Dimethylphenol	0.76	U	1.9	0.76	0.76
131-11-3	Dimethyl phthalate	0.76	U	0.95	0.76	0.28
84-74-2	Di-n-butyl phthalate	0.76	U	0.95	0.76	0.64

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW | Lab Sample ID: 240-17477-4

Matrix: Water | Lab File ID: 21116016.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 14:08

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.3	U	4.8	2.3	2.3
51-28-5	2,4-Dinitrophenol	2.3	U	4.8	2.3	2.3
121-14-2	2,4-Dinitrotoluene	0.76	U	4.8	0.76	0.26
606-20-2	2,6-Dinitrotoluene	0.76	U	4.8	0.76	0.76
117-84-0	Di-n-octyl phthalate	0.76	U J	0.95	0.76	0.76
206-44-0	Fluoranthene	0.095	U	0.19	0.095	0.095
86-73-7	Fluorene	0.095	U	0.19	0.095	0.095
118-74-1	Hexachlorobenzene	0.095	U	0.19	0.095	0.095
87-68-3	Hexachlorobutadiene	0.76	U J	0.95	0.76	0.26
77-47-4	Hexachlorocyclopentadiene	0.76	U	9.5	0.76	0.76
67-72-1	Hexachloroethane	0.76	U J	0.95	0.76	0.76
193-39-5	Indeno[1,2,3-cd]pyrene	0.095	U J	0.19	0.095	0.095
78-59-1	Isophorone	0.76	U	0.95	0.76	0.26
91-57-6	2-Methylnaphthalene	0.095	U	0.19	0.095	0.095
95-48-7	2-Methylphenol	0.76	U	0.95	0.76	0.76
15831-10-4	3 & 4 Methylphenol	0.76	U	1.9	0.76	0.76
91-20-3	Naphthalene	0.095	U	0.19	0.095	0.095
88-74-4	2-Nitroaniline	0.76	U	1.9	0.76	0.76
99-09-2	3-Nitroaniline	0.76	U	1.9	0.76	0.27
100-01-6	4-Nitroaniline	0.76	U	1.9	0.76	0.76
98-95-3	Nitrobenzene	0.095	U	0.95	0.095	0.038
88-75-5	2-Nitrophenol	0.76	U	1.9	0.76	0.27
100-02-7	4-Nitrophenol	2.3	U	4.8	2.3	2.3
621-64-7	N-Nitrosodi-n-propylamine	0.76	U	0.95	0.76	0.76
86-30-6	N-Nitrosodiphenylamine	0.76	U	0.95	0.76	0.30
87-86-5	Pentachlorophenol	2.3	U	4.8	2.3	2.3
85-01-8	Phenanthrene	0.095	U	0.19	0.095	0.095
108-95-2	Phenol	0.76	U	0.95	0.76	0.57
129-00-0	Pyrene	0.095	U	0.19	0.095	0.095
120-82-1	1,2,4-Trichlorobenzene	0.76	U J	0.95	0.76	0.27
95-95-4	2,4,5-Trichlorophenol	0.76	U	4.8	0.76	0.29
88-06-2	2,4,6-Trichlorophenol	0.76	U	4.8	0.76	0.76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW | Lab Sample ID: 240-17477-4

Matrix: Water | Lab File ID: 21116016.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 14:08

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		50-110
367-12-4	2-Fluorophenol (Surr)	71		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	68		40-110
1718-51-0	Terphenyl-d14 (Surr)	70		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	71		40-125
4165-62-2	Phenol-d5 (Surr)	73		10-115

Report Date: 17-Nov-2012 12:48:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116016.D
Lims ID: 240-17477-I-4-A Client ID: 068SW-0016-0001-SW
Inject. Date: 16-Nov-2012 14:08:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015012-016
Misc. Info.: 240-17477-I-4-A =240-17477-I-4-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 65294 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m
Last Update: 17-Nov-2012 12:48:08 Calib Date: 15-Nov-2012 10:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 16-Nov-2012 14:48:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.675	3.677	-0.002	93	127691	4.00	
* 2 Naphthalene-d8	136	4.636	4.639	-0.003	98	511828	4.00	
* 3 Acenaphthene-d10	164	5.924	5.931	-0.007	74	334067	4.00	
* 4 Phenanthrene-d10	188	7.002	7.010	-0.008	98	601973	4.00	
* 5 Chrysene-d12	240	8.941	8.949	-0.008	96	660068	4.00	
* 6 Perylene-d12	264	10.202	10.215	-0.013	93	526654	4.00	
$ 7 2-Fluorophenol	112	2.676	2.673	0.003	92	510589	10.7	
$ 8 Phenol-d5	99	3.371	3.373	-0.003	0	745231	10.9	
$ 9 Nitrobenzene-d5	82	4.086	4.094	-0.008	84	530129	6.83	
$ 10 2-Fluorobiphenyl (Surr)	172	5.416	5.424	-0.008	99	741414	6.67	
$ 11 2,4,6-Tribromophenol	330	6.495	6.503	-0.008	82	123360	10.7	
$ 12 Terphenyl-d14	244	8.135	8.142	-0.007	98	892371	7.03	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88		1.578					9
26 N-Nitrosodimethylamine	74		1.765					
27 Pyridine	79		1.792					
28 Ethyl methacrylate	69		2.032					
29 3-Chloropropionitrile	54		2.224					9
31 2-Picoline	93		2.338					
32 N-Nitrosomethylethylamine	88		2.396					
33 Malononitrile	66		2.411					
34 Methyl methanesulfonate	80		2.610					9
233 n,n'-Dimethylacetamide	44		2.674					
30 3-Picoline	93		2.674					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.914					
37 Ethyl methanesulfonate	79		3.123					
38 2-Methylcyclohexanone	68		3.315					
39 3-Methylcyclohexanone	69		3.342					
41 Benzaldehyde	77		3.346					9
40 4-Methylcyclohexanone	55		3.379					
43 Phenol	94		3.383					9
44 Aniline	93		3.426					9
69 Bis(2-chloroethyl)ether	93		3.458					9
46 2-Chlorophenol	128		3.522					
45 Pentachloroethane	167		3.529					9
42 Phenylmercaptan	110		3.596					9
47 1,3-Dichlorobenzene	146		3.640					
48 1,4-Dichlorobenzene	146		3.693					
49 Benzyl alcohol	108		3.768					9
50 1,2-Dichlorobenzene	146		3.811					9
51 2-Methylphenol	108		3.848					9
53 2,2'-oxybis[1-chloropropane]	45		3.864					9
232 1-Methyl-2-pyrrilidinone	99		3.880					
21 3 & 4 Methylphenol	108		3.960					
57 N-Nitrosodi-n-propylamine	70		3.971					9
58 Acetophenone	105		3.976					9
56 N-Nitrosopyrrolidine	100		4.009					
59 N-Nitrosomorpholine	56		4.036					9
60 2-Toluidine	106		4.063					
61 Hexachloroethane	117		4.067					
52 Indene	115		4.084					
62 Nitrobenzene	77		4.110					9
63 N-Nitrosopiperidine	114		4.276					
64 Isophorone	82		4.286					9
66 2-Nitrophenol	139		4.350					
65 2,4-Dimethylphenol	107		4.361					
67 1,3,5-Trichlorobenzene	180		4.361					
70 Bis(2-chloroethoxy)methane	93		4.430					
68 o,o',o''-Triethylphosphorothioat	198		4.463					
71 Benzoic acid	122		4.468					9
17 4-Chlorophenol	128		4.500					
73 2,4-Dichlorophenol	162		4.526					
24 Catechol	110		4.592					9
74 1,2,4-Trichlorobenzene	180		4.596					
75 Naphthalene	128		4.655					
76 4-Chloroaniline	127		4.681					
79 Hexachlorobutadiene	225		4.740					
77 2,6-Dichlorophenol	162		4.752					
80 1,2,3-Trichlorobenzene	180		4.761					
78 Hexachloropropene	213		4.784					
72 alpha,alpha-Dimethyl phenethylam	58		4.848					
15 3-Methylcatechol	124		4.913					9
84 Caprolactam	113		4.948					
83 N-Nitrosodi-n-butylamine	84		4.976					9
85 p-Phenylene diamine	108		5.003					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
86 4-Chloro-3-methylphenol	107		5.034					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.142					
87 2-Methylnaphthalene	142		5.162					
88 1-Methylnaphthalene	142		5.237					
89 Hexachlorocyclopentadiene	237		5.280					
90 1,2,3,5-Tetrachlorobenzene	216		5.280					
91 1,2,4,5-Tetrachlorobenzene	216		5.350					
225 Isosafrole Peak 1	162		5.355					
92 2,4,6-Trichlorophenol	196		5.365					
93 2,4,5-Trichlorophenol	196		5.397					
97 2,4-Toluene diamine	121		5.482					9
98 1,1'-Biphenyl	154		5.499					9
99 1,2,3,4 -Tetrachlorobenzene	216		5.499					
100 2-Chloronaphthalene	162		5.525					
227 Isosafrole Peak 2	162		5.526					
102 2-Nitroaniline	65		5.589					9
105 Dimethyl phthalate	163		5.701					
103 1,4-Naphthoquinone	158		5.702					
96 3,4-Dichloronitrobenzene	109		5.725					9
104 1,4-Dinitrobenzene	168		5.729					
107 2,6-Dinitrotoluene	165		5.755					9
101 Phenyl ether	170		5.773					
106 1,3-Dinitrobenzene	168		5.788					
108 1,2-Dinitrobenzene	168		5.803					
109 Acenaphthylene	152		5.830					
110 3-Nitroaniline	138		5.883					
112 Acenaphthene	153		5.953					
111 2,4-Dinitrophenol	184		5.963					
113 4-Nitrophenol	109		5.995					9
114 2,4-Dinitrotoluene	165		6.054					
116 Dibenzofuran	168		6.081					
115 Pentachlorobenzene	250		6.114					
118 2,3,5,6-Tetrachlorophenol	232		6.134					
117 1-Naphthylamine	143		6.188					
121 Diethyl phthalate	149		6.209					9
119 2,3,4,6-Tetrachlorophenol	232		6.226					
120 2-Naphthylamine	143		6.247					
123 4-Chlorophenyl phenyl ether	204		6.310					
126 Fluorene	166		6.326					
122 Thionazin	97		6.327					
125 4-Nitroaniline	138		6.332					
128 4,6-Dinitro-2-methylphenol	198		6.353					
124 N-Nitro-o-toluidine	152		6.381					
131 N-Nitrosodiphenylamine	169		6.396					
127 Tributyl phosphate	99		6.402					9
133 Azobenzene	77		6.428					
132 1,2-Diphenylhydrazine	77		6.428					
130 Diphenylamine	169		6.450					9
134 Sulfotepp	202		6.541					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
135 1,3,5-Trinitrobenzene	213		6.621					
228 Diallate Peak 1	86		6.653					9
137 Phenacetin	108		6.658					9
139 4-Bromophenyl phenyl ether	248		6.663					
138 Phorate	121		6.664					9
230 Diallate Peak 2	86		6.723					9
141 Hexachlorobenzene	284		6.738					
142 Atrazine	200		6.764					
140 Dimethoate	87		6.787					
143 Pentachlorophenol	266		6.871					
129 4-Aminobiphenyl	169		6.915					9
144 Pronamide	173		6.942					
145 Pentachloronitrobenzene	237		6.942					
148 Phenanthrene	178		7.026					
146 Disulfoton	88		7.038					9
147 Dinoseb	211		7.043					
149 Anthracene	178		7.063					
151 Carbazole	167		7.170					9
152 Methyl parathion	109		7.310					9
154 Di-n-butyl phthalate	149		7.379					
155 Ethyl Parathion	97		7.582					9
153 Diphenylsulfone	125		7.616					
156 4-Nitroquinoline-1-oxide	190		7.636					
157 Methapyrilene	58		7.673					9
158 Isodrin	66		7.844					9
159 Fluoranthene	202		7.891					9
160 Benzidine	184		7.961					
161 Pyrene	202		8.062					9
166 4,4'-DDE	246		8.097					9
226 Aramite Peak 1	185		8.159					
229 Aramite Peak 2	185		8.213					
163 p-Dimethylamino azobenzene	225		8.304					
164 Chlorobenzilate	139		8.325					9
165 4,4'-DDD	235		8.375					
168 Butyl benzyl phthalate	149		8.473					9
167 Famphur	218		8.506					
169 3,3'-Dimethylbenzidine	212		8.549					
170 4,4'-DDT	235		8.578					
171 2-Acetylaminofluorene	181		8.741					9
172 3,3'-Dimethoxybenzidine	244		8.863					9
173 Bis(2-ethylhexyl) phthalate	149	8.872	8.879	-0.007	90	26071	0.2060	
174 4,4'-Methylene bis(2-chloroanili	231		8.895					9
175 3,3'-Dichlorobenzidine	252		8.901					
177 Benzo[a]anthracene	228		8.944					9
178 Chrysene	228		8.970					9
176 Hexabromobenzene	232		9.208					
180 Di-n-octyl phthalate	149		9.365					
179 6-Methylchrysene	242		9.576					
182 Benzo[b]fluoranthene	252		9.830					
183 Benzo[k]fluoranthene	252		9.857					
181 7,12-Dimethylbenz(a)anthracene	256		9.895					
184 Benzo[a]pyrene	252		10.161					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
185 3-Methylcholanthrene	268		10.638					
188 Indeno[1,2,3-cd]pyrene	276		11.577					
189 Dibenz(a,h)anthracene	278		11.577					
187 Dibenz[a,h]acridine	279		11.729					
186 Dibenz[a,j]acridine	279		11.804					
190 Benzo[g,h,i]perylene	276		11.983					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 192 Octadecane (TIC)	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 235 4-isopropylphenol TIC	121		4.756					
T 236 3-isopropylphenol TIC	121		4.756					
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

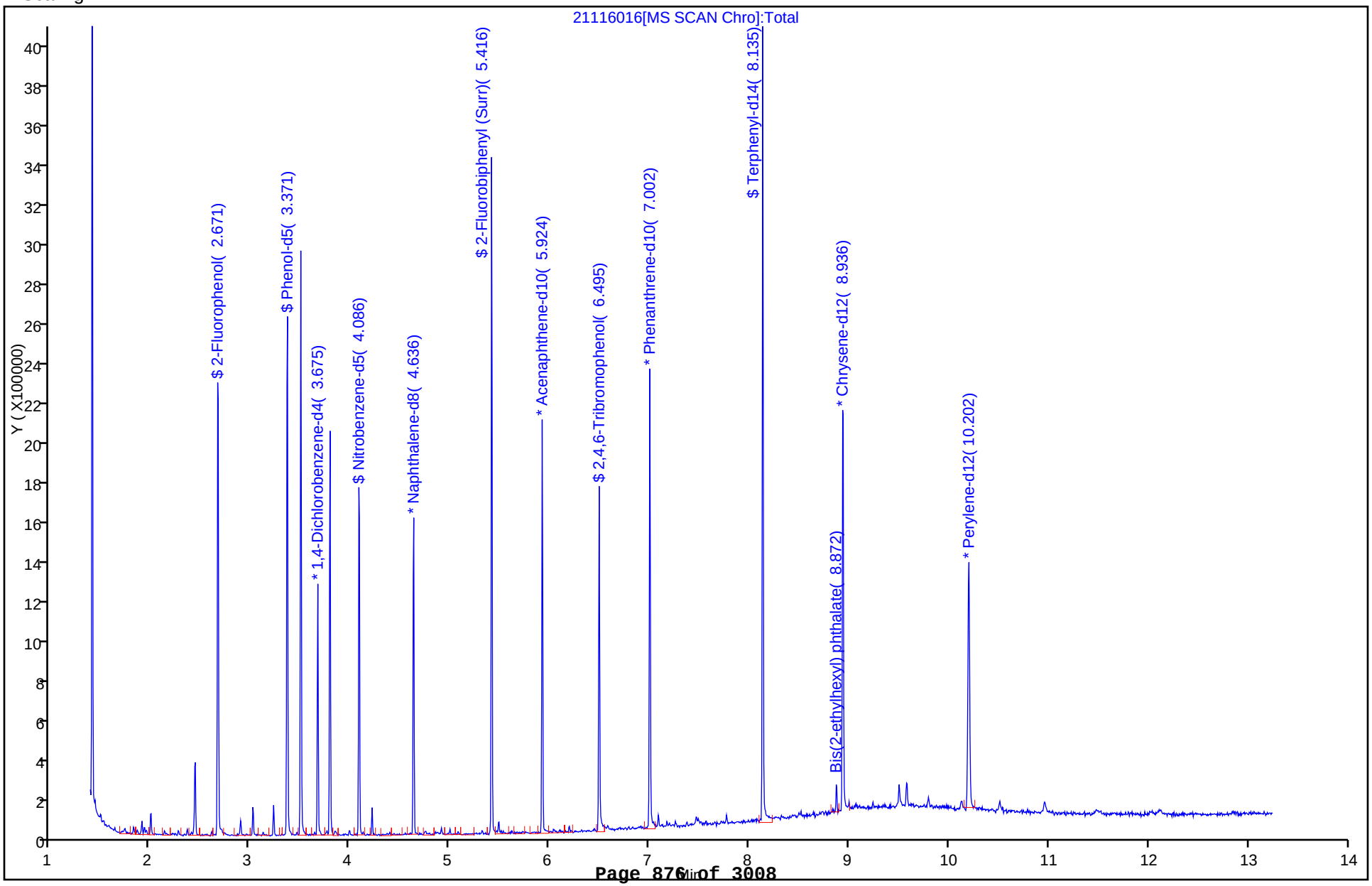
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 17-Nov-2012 12:48:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116016.D		
Injection Date:	16-Nov-2012 14:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SW-0016-0001-SW	Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO | Lab Sample ID: 240-17477-6

Matrix: Solid | Lab File ID: 21203017.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 29.77(g) | Date Analyzed: 12/03/2012 17:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.7	J	6.7	3.3	3.3
208-96-8	Acenaphthylene	10		6.7	3.3	3.3
120-12-7	Anthracene	10		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	43		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	42		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	75		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	26		6.7	3.3	3.3
65-85-0	Benzoic acid	340	U	670	340	340
207-08-9	Benzo[k]fluoranthene	27	M	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.6
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	63		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	23	J	50	3.3	3.3
106-46-7	1,4-Dichlorobenzene	27	U	50	27	20
95-50-1	1,2-Dichlorobenzene	14	J	50	27	9.8
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
91-94-1	3,3'-Dichlorobenzidine	81	U J	100	81	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	50	27	16
105-67-9	2,4-Dimethylphenol	81	U	150	81	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15
534-52-1	4,6-Dinitro-2-methylphenol	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO | Lab Sample ID: 240-17477-6

Matrix: Solid | Lab File ID: 21203017.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 29.77(g) | Date Analyzed: 12/03/2012 17:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
51-28-5	2,4-Dinitrophenol	81	U J	330	81	81
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	50	27	27
206-44-0	Fluoranthene	78		6.7	3.3	3.3
86-73-7	Fluorene	6.1	J	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	22		6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	90		6.7	3.3	3.3
95-48-7	2-Methylphenol	81	U	200	81	81
15831-10-4	3 & 4 Methylphenol	81	U	400	81	20
91-20-3	Naphthalene	63		6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.2
99-09-2	3-Nitroaniline	81	U	200	81	16
100-01-6	4-Nitroaniline	27	U J	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	81	U	330	81	81
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	81	U	150	81	81
85-01-8	Phenanthrene	71		6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	65		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO | Lab Sample ID: 240-17477-6

Matrix: Solid | Lab File ID: 21203017.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 29.77(g) | Date Analyzed: 12/03/2012 17:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	58		35-100
1718-51-0	Terphenyl-d14 (Surr)	66		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	69		35-125
4165-62-2	Phenol-d5 (Surr)	70		40-100

Report Date: 04-Dec-2012 09:30:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D
Lims ID: 240-17477-A-6-T Client ID: 079SS-0004M-0001-SO
Inject. Date: 03-Dec-2012 17:59:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015467-017
Misc. Info.: 240-17477-A-6-T =240-17477-A-6-T
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 67070 Lims Sample ID: 17
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 09:30:37 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm Date: 04-Dec-2012 08:46:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.053	6.050	0.003	83	156768	4.00	
* 2 Naphthalene-d8	136	7.159	7.156	0.003	98	684412	4.00	
* 3 Acenaphthene-d10	164	8.649	8.652	-0.003	66	414919	4.00	
* 4 Phenanthrene-d10	188	9.915	9.918	-0.003	76	752712	4.00	
* 5 Chrysene-d12	240	12.538	12.541	-0.003	79	762710	4.00	
* 6 Perylene-d12	264	14.675	14.677	-0.002	81	633760	4.00	
$ 7 2-Fluorophenol	112	4.872	4.832	0.040	92	622592	10.1	
$ 8 Phenol-d5	99	5.695	5.687	0.008	0	941326	10.6	
$ 9 Nitrobenzene-d5	82	6.528	6.531	-0.003	82	606092	5.79	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.059	0.003	95	794603	5.77	
$ 11 2,4,6-Tribromophenol	330	9.317	9.319	-0.002	83	165956	10.3	
$ 12 Terphenyl-d14	244	11.294	11.291	0.003	97	1023878	6.55	
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					9
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
25 1,4-Dioxane	88		2.807					
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					
26 N-Nitrosodimethylamine	74		3.272					9
38 2-Methylcyclohexanone	68		3.292					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
39 3-Methylcyclohexanone	69		3.319					
27 Pyridine	79		3.320					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.876					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					9
59 N-Nitrosomorpholine	56		4.013					
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					
29 3-Chloropropionitrile	54		4.218					
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					3
33 Malononitrile	66		4.627					
77 2,6-Dichlorophenol	162		4.729					9
78 Hexachloropropene	213		4.756					9
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					9
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					9
82 Quinoline	129		5.099					9
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.668	5.665	0.003	65	24663	0.3980	
103 1,4-Naphthoquinone	158		5.680					
43 Phenol	94		5.703					9
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					9
44 Aniline	93		5.751					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
69 Bis(2-chloroethyl)ether	93		5.804					9
46 2-Chlorophenol	128		5.858					9
47 1,3-Dichlorobenzene	146		6.002					9
48 1,4-Dichlorobenzene	146	6.069	6.066	0.003	43	16608	0.2672	
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108		6.157					9
117 1-Naphthylamine	143		6.166					
50 1,2-Dichlorobenzene	146	6.208	6.199	0.009	32	12079	0.2019	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
51 2-Methylphenol	108		6.237					
53 2,2'-oxybis[1-chloropropane]	45		6.274					
122 Thionazin	97		6.305					
124 N-Nitro-o-toluidine	152		6.358					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108		6.365					
127 Tributyl phosphate	99		6.379					9
57 N-Nitrosodi-n-propylamine	70		6.386					
58 Acetophenone	105	6.389	6.392	-0.003	77	32568	0.3132	
130 Diphenylamine	169		6.428					
61 Hexachloroethane	117		6.504					
134 Sulfotepp	202		6.518					
62 Nitrobenzene	77		6.547					9
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					
230 Diallate Peak 2	86		6.695					
64 Isophorone	82		6.744					
140 Dimethoate	87		6.764					
66 2-Nitrophenol	139		6.819					9
65 2,4-Dimethylphenol	107		6.830					
67 1,3,5-Trichlorobenzene	180		6.830					
71 Benzoic acid	122	6.844	6.889	-0.045	61	10412	1.78	
129 4-Aminobiphenyl	169		6.892					
70 Bis(2-chloroethoxy)methane	93		6.915					
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					
146 Disulfoton	88		7.010					
73 2,4-Dichlorophenol	162		7.017					9
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180		7.102					
75 Naphthalene	128	7.175	7.177	-0.002	93	177404	0.9438	
76 4-Chloroaniline	127		7.204					
79 Hexachlorobutadiene	225		7.268					
152 Methyl parathion	109		7.282					
80 1,2,3-Trichlorobenzene	180		7.295					9
84 Caprolactam	113		7.487					
155 Ethyl Parathion	97		7.560					
86 4-Chloro-3-methylphenol	107		7.594					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142	7.762	7.759	0.003	83	157492	1.34	
158 Isodrin	66		7.816					
88 1-Methylnaphthalene	142	7.848	7.850	-0.002	82	123190	1.08	
90 1,2,3,5-Tetrachlorobenzene	216		7.888					
89 Hexachlorocyclopentadiene	237		7.893					9
92 2,4,6-Trichlorophenol	196		7.989					9
93 2,4,5-Trichlorophenol	196		8.016					9
226 Aramite Peak 1	185		8.131					9
97 2,4-Toluene diamine	121		8.133					
99 1,2,3,4 -Tetrachlorobenzene	216		8.144					
98 1,1'-Biphenyl	154	8.147	8.149	-0.002	83	15034	0.1003	
100 2-Chloronaphthalene	162		8.181					9
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65		8.246					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					9
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163		8.384					
107 2,6-Dinitrotoluene	165		8.443					
167 Famphur	218		8.473					
108 1,2-Dinitrobenzene	168		8.497					9
169 3,3'-Dimethylbenzidine	212		8.516					9
109 Acenaphthylene	152	8.532	8.534	-0.002	76	27186	0.1490	
110 3-Nitroaniline	138		8.593					
111 2,4-Dinitrophenol	184		8.678					
112 Acenaphthene	153	8.676	8.678	-0.002	41	9889	0.0854	
113 4-Nitrophenol	109		8.700					
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165		8.785					
116 Dibenzofuran	168	8.825	8.822	0.003	80	58385	0.3496	
118 2,3,5,6-Tetrachlorophenol	232		8.881					
121 Diethyl phthalate	149		8.977					
123 4-Chlorophenyl phenyl ether	204		9.100					
125 4-Nitroaniline	138		9.111					
126 Fluorene	166	9.114	9.116	-0.002	55	12879	0.0911	
128 4,6-Dinitro-2-methylphenol	198		9.132					9
131 N-Nitrosodiphenylamine	169		9.191					
176 Hexabromobenzene	232		9.208					
133 Azobenzene	77		9.234					
132 1,2-Diphenylhydrazine	77		9.234					
139 4-Bromophenyl phenyl ether	248		9.517					9
179 6-Methylchrysene	242		9.576					9
141 Hexachlorobenzene	284		9.581					
142 Atrazine	200		9.624					
143 Pentachlorophenol	266		9.741					9
181 7,12-Dimethylbenz(a)anthracene	256		9.856					9
148 Phenanthrene	178	9.937	9.939	-0.002	80	237220	1.05	
149 Anthracene	178	9.979	9.982	-0.003	84	35031	0.1555	
151 Carbazole	167		10.105					
154 Di-n-butyl phthalate	149		10.356					
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.962	10.959	0.003	76	298220	1.16	
160 Benzidine	184		11.050					
161 Pyrene	202	11.176	11.178	-0.002	78	257276	0.9749	
166 4,4'-DDE	246		11.233					
165 4,4'-DDD	235		11.580					
187 Dibenz[a,h]acridine	279		11.729					
168 Butyl benzyl phthalate	149		11.787					
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.922					
172 3,3'-Dimethoxybenzidine	244		12.418					
174 4,4'-Methylene bis(2-chloroanili	231		12.466					
175 3,3'-Dichlorobenzidine	252		12.466					
173 Bis(2-ethylhexyl) phthalate	149	12.479	12.482	-0.003	35	43492	0.2775	
177 Benzo[a]anthracene	228	12.522	12.525	-0.003	67	152316	0.6413	
178 Chrysene	228	12.570	12.573	-0.003	71	204535	0.9392	
180 Di-n-octyl phthalate	149		13.422					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
182 Benzo[b]fluoranthene	252	14.082	14.079	0.003	81	244149	1.11	
183 Benzo[k]fluoranthene	252	14.120	14.122	-0.002	1	90775	0.4018	M
184 Benzo[a]pyrene	252	14.590	14.597	-0.007	65	129440	0.6242	
188 Indeno[1,2,3-cd]pyrene	276	16.395	16.403	-0.008	78	73612	0.3231	
189 Dibenz(a,h)anthracene	278		16.430					
190 Benzo[g,h,i]perylene	276	16.881	16.889	-0.008	58	75298	0.3935	
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 192 Octadecane (TIC)	57		0.000					
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 235 4-isopropylphenol TIC	121		4.756					
T 236 3-isopropylphenol TIC	121		4.756					
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
3 - Failed RT Window Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

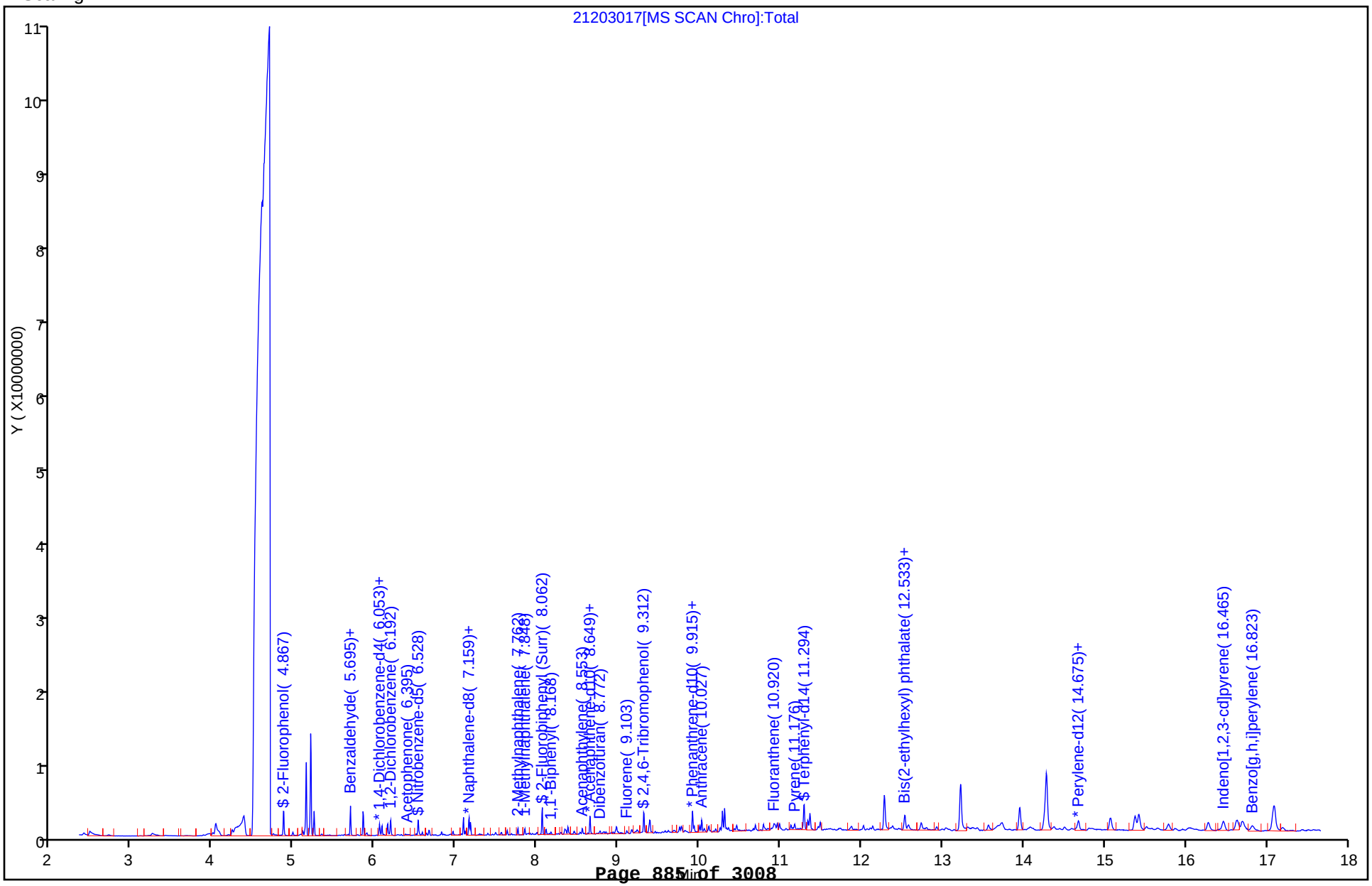
Review Flags
M - Manually Integrated

Report Date: 04-Dec-2012 09:30:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D		
Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



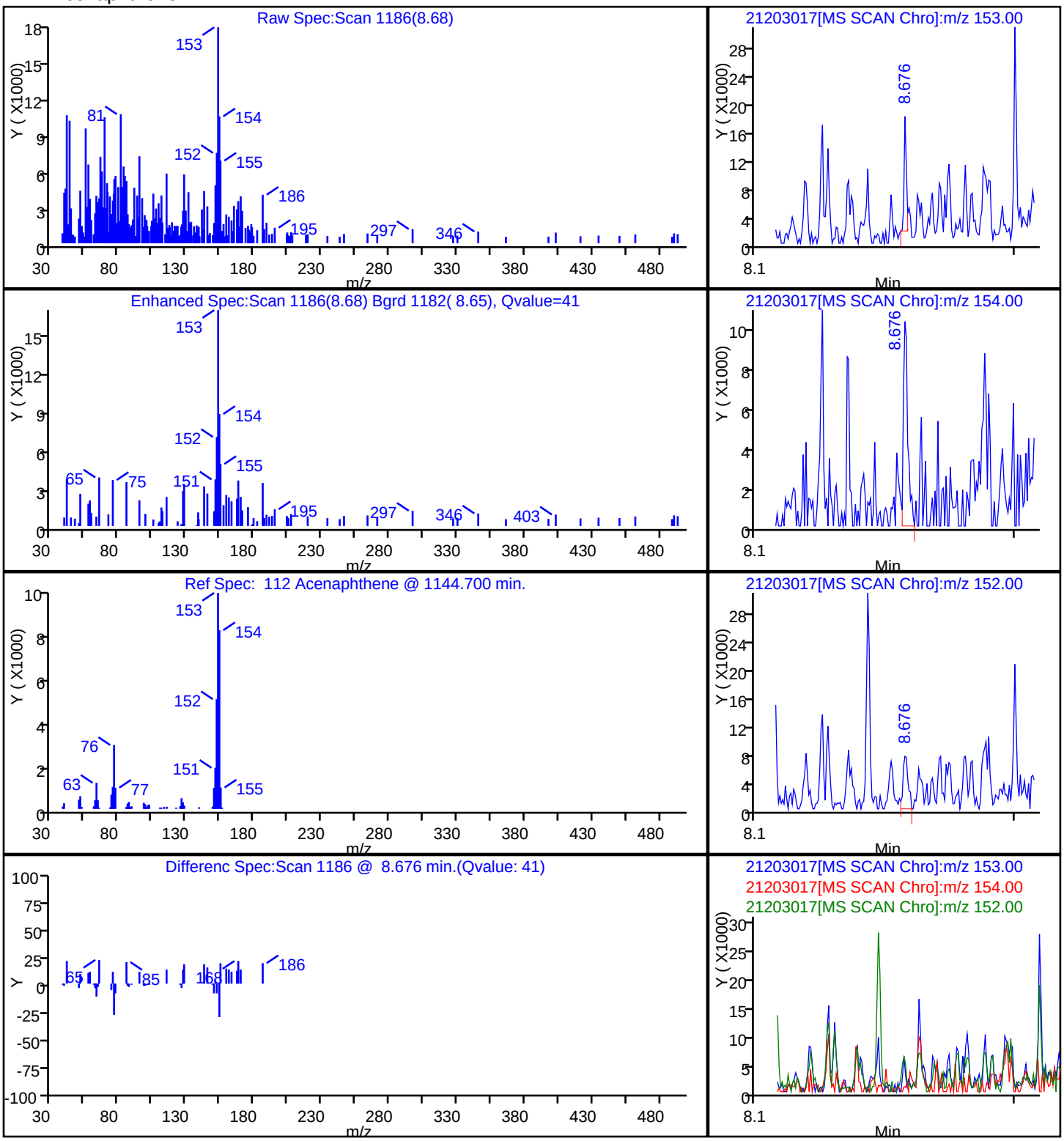
Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

112 Acenaphthene



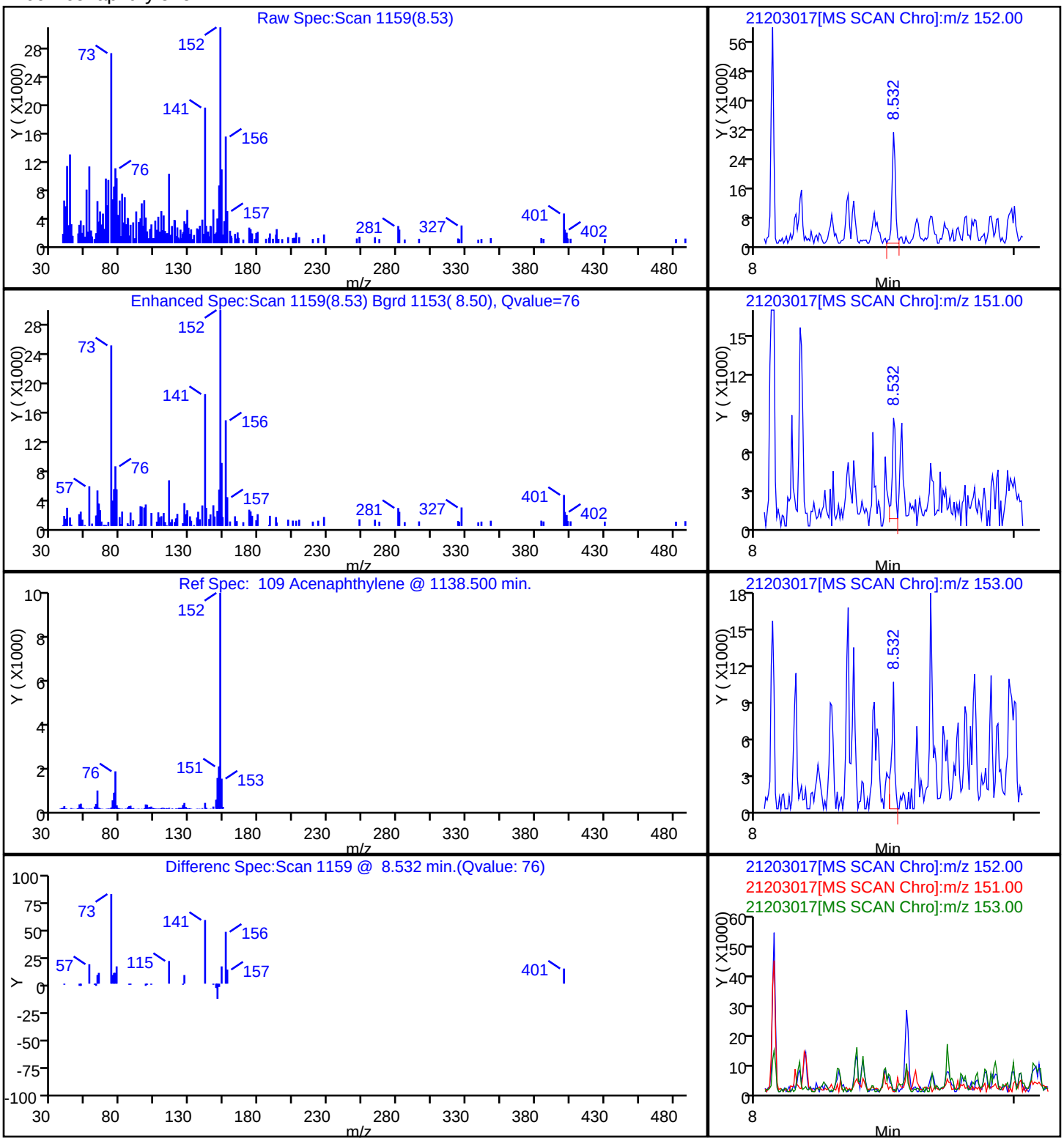
Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

109 Acenaphthylene



Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

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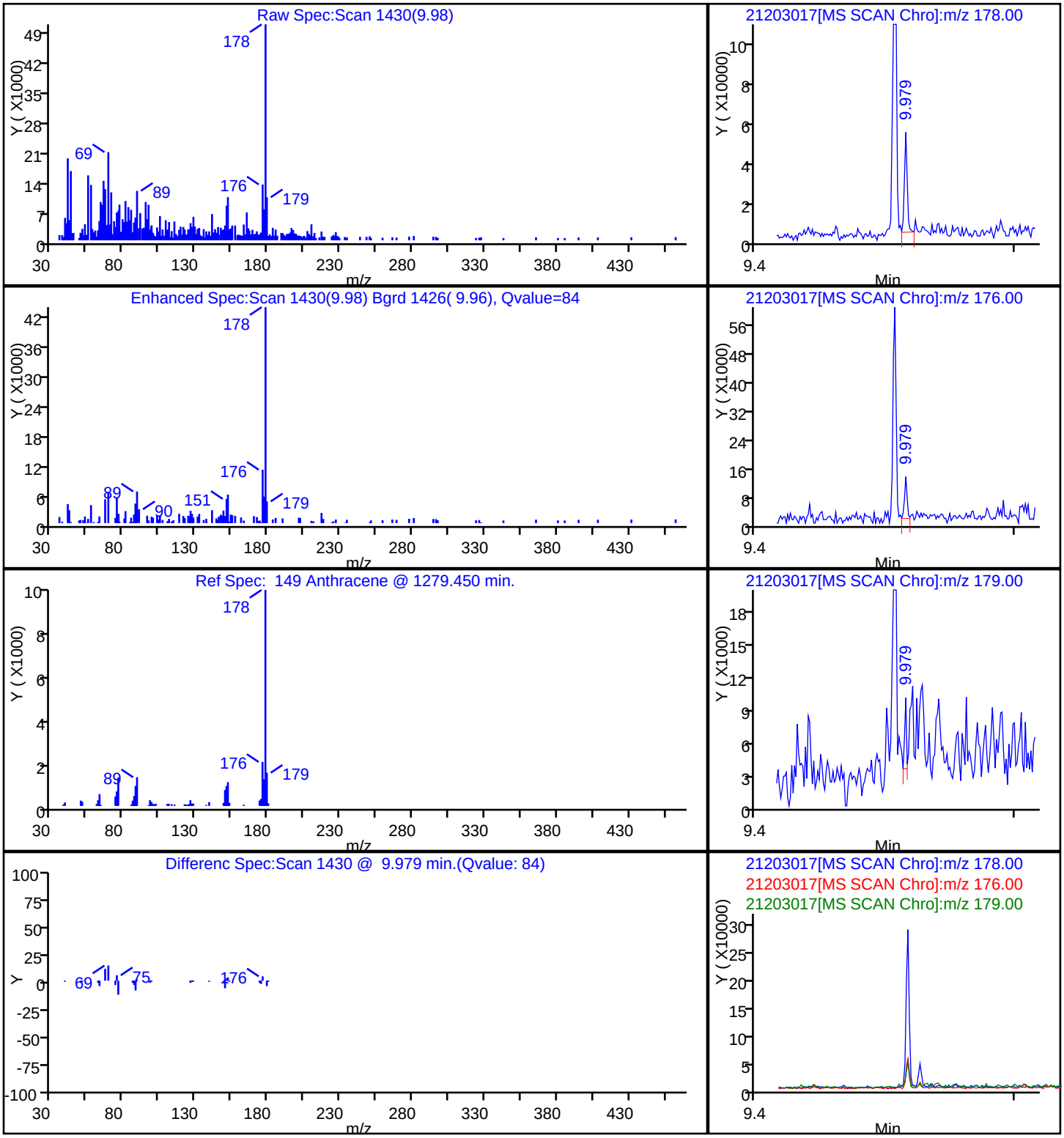
Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

149 Anthracene

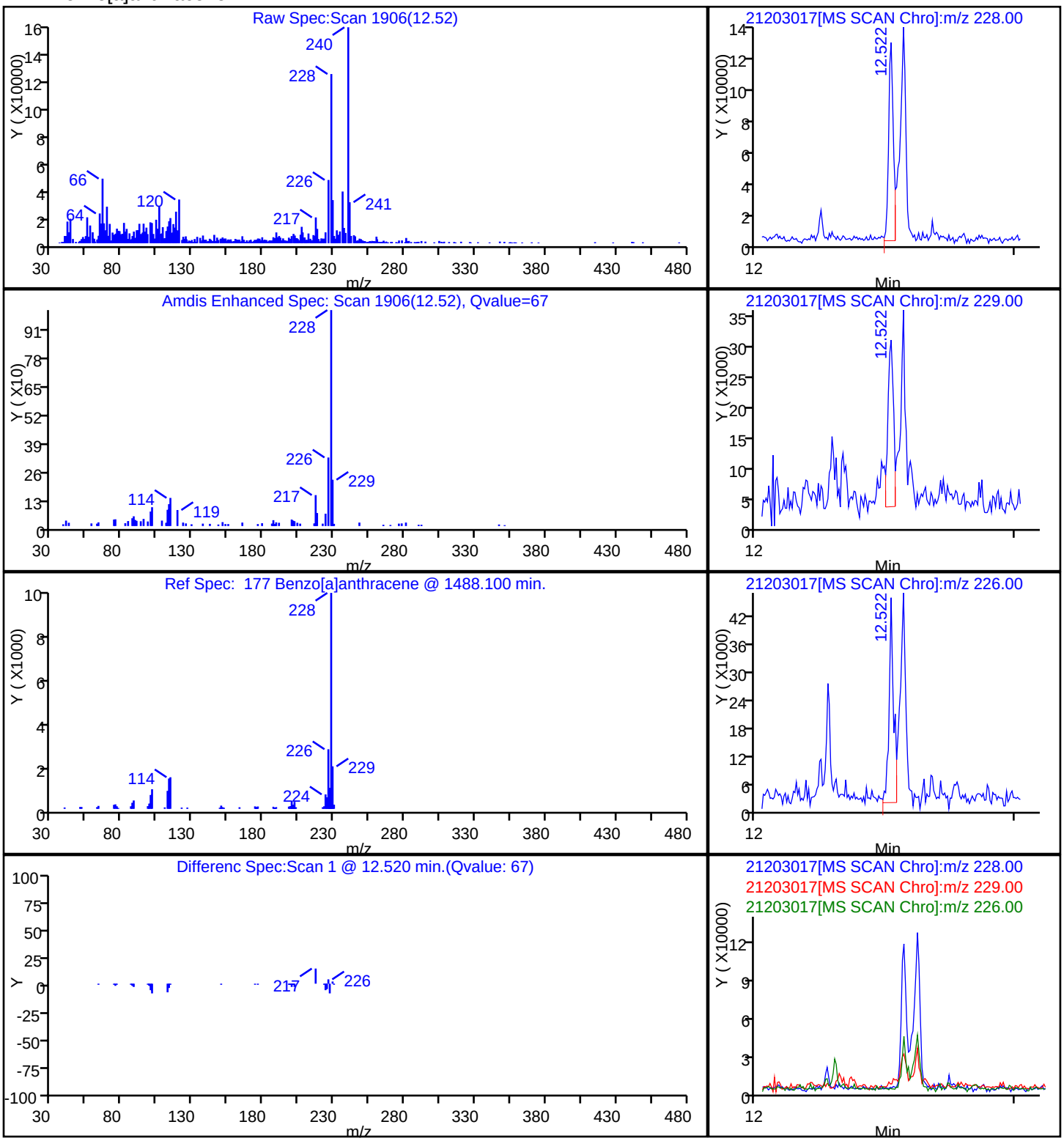


Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D		
Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



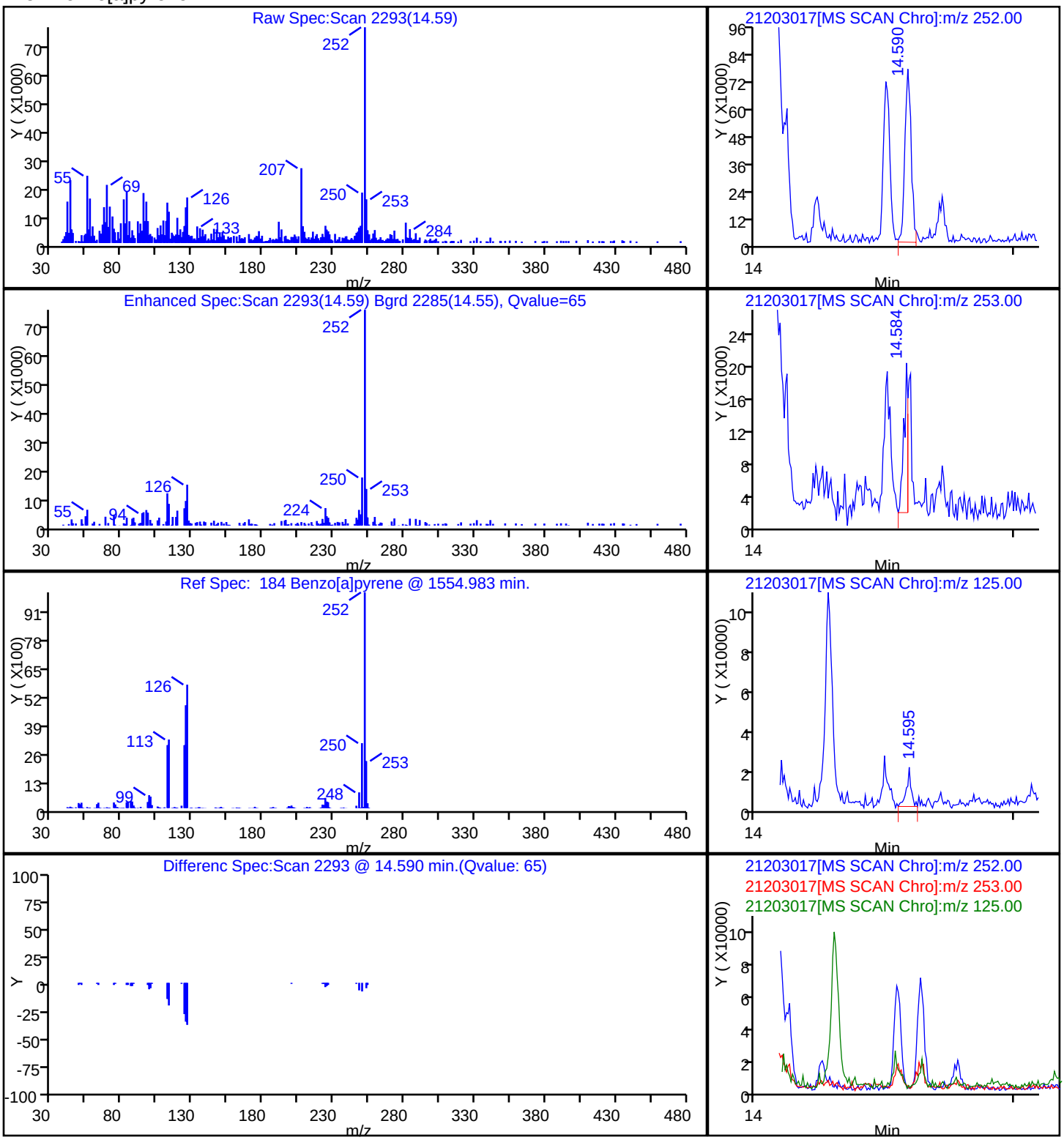
Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



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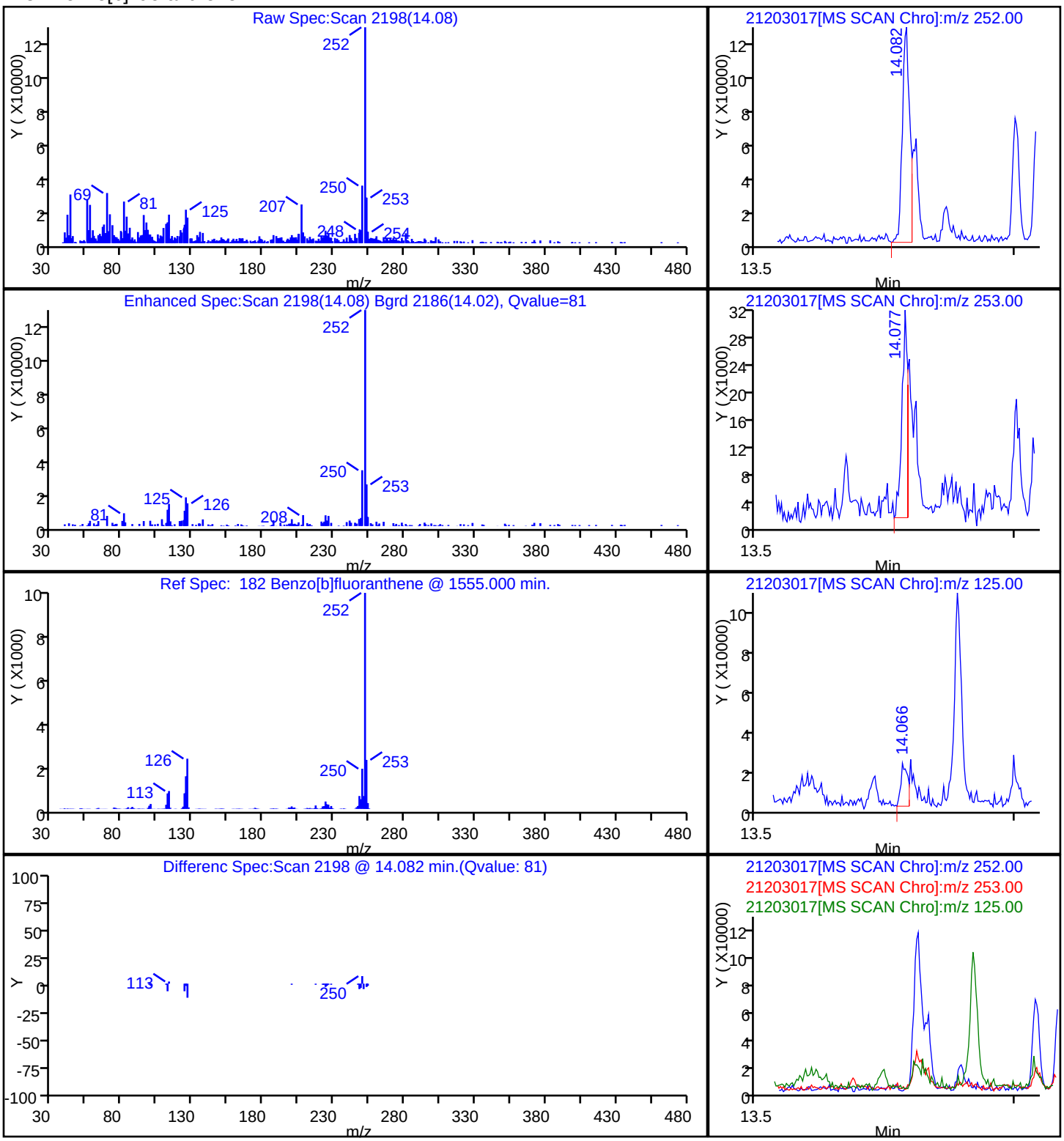
TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene



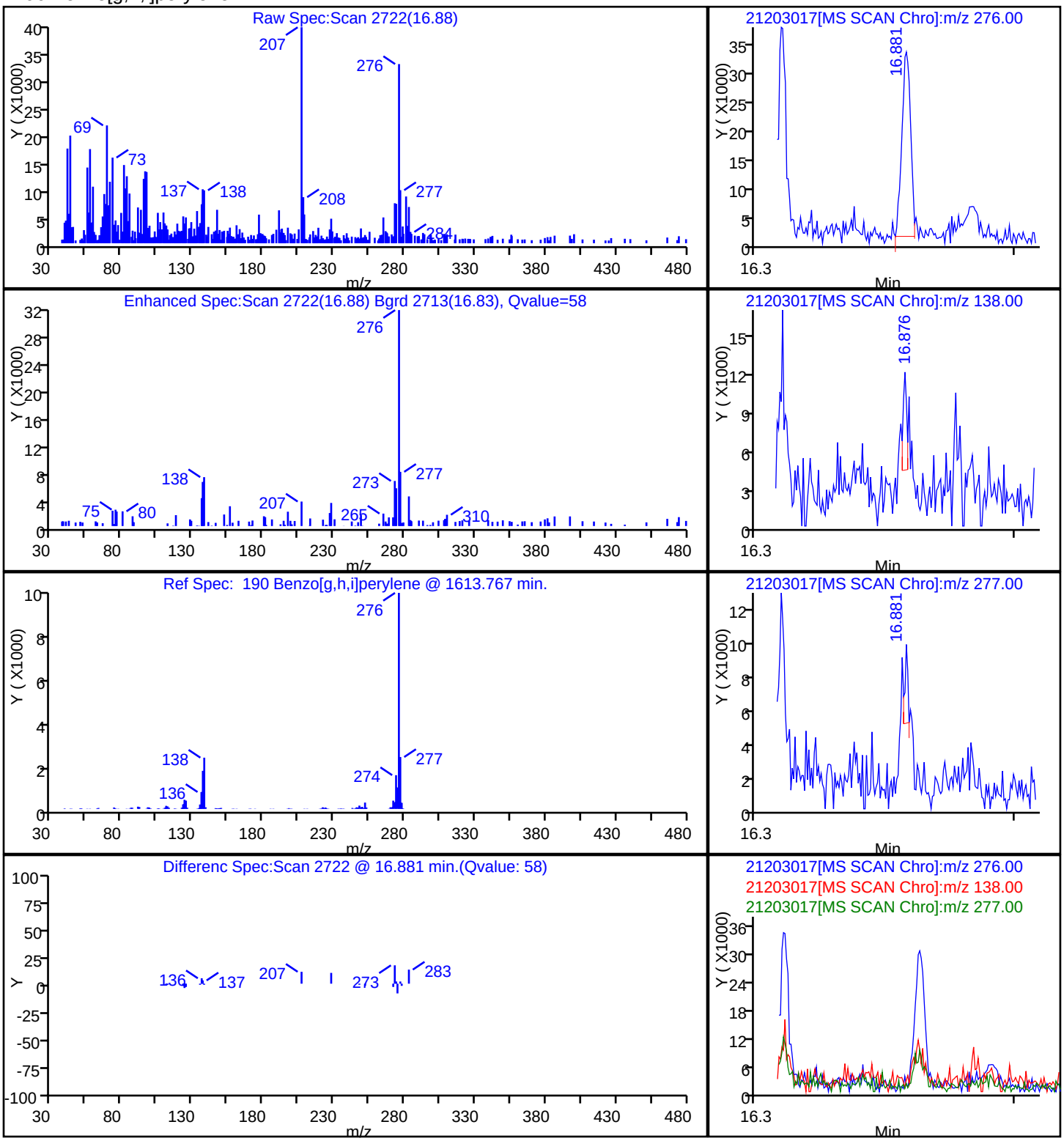
Report Date: 04-Dec-2012 09:30:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene



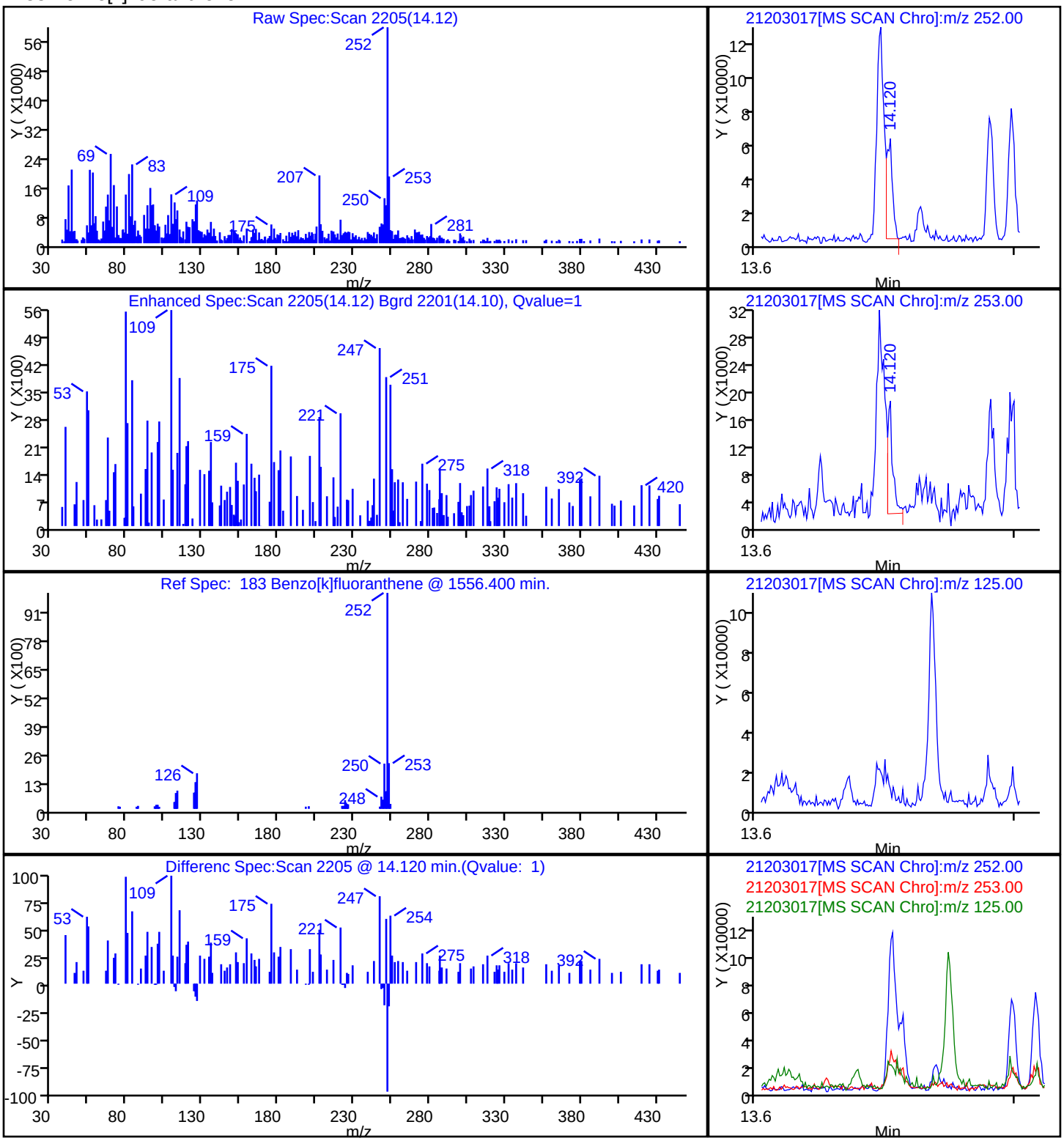
Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

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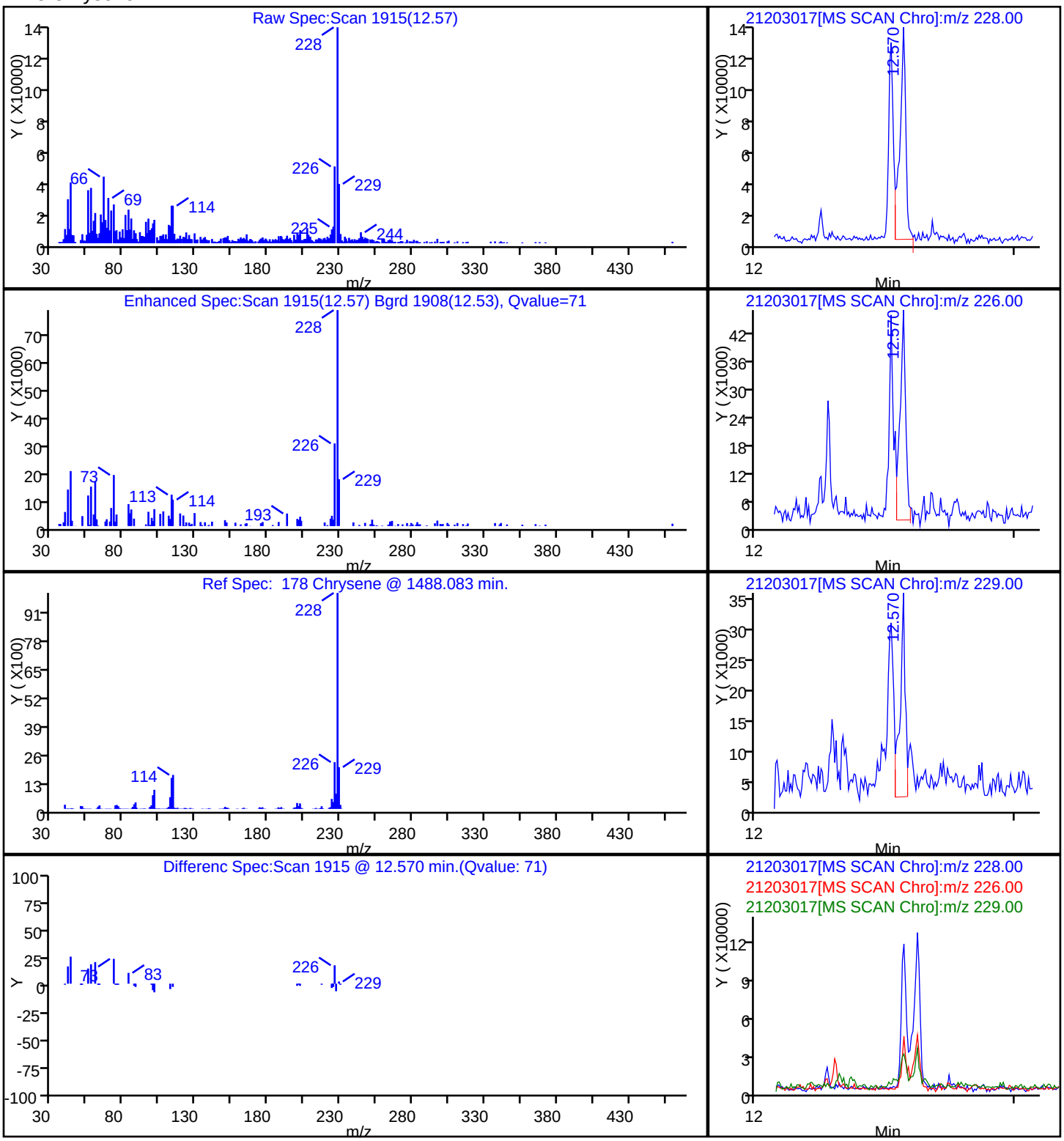
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene



Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D		
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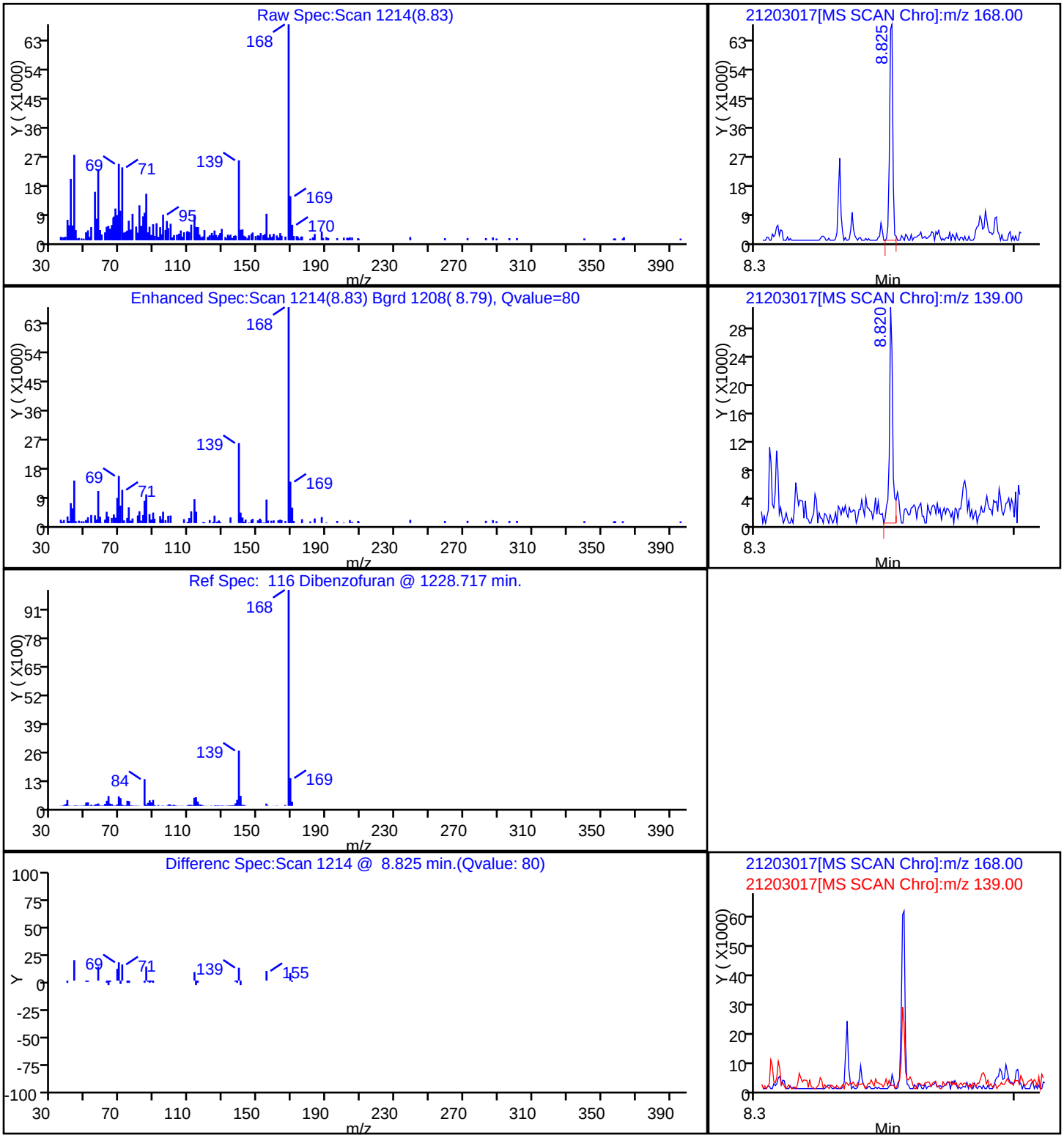
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

116 Dibenzofuran



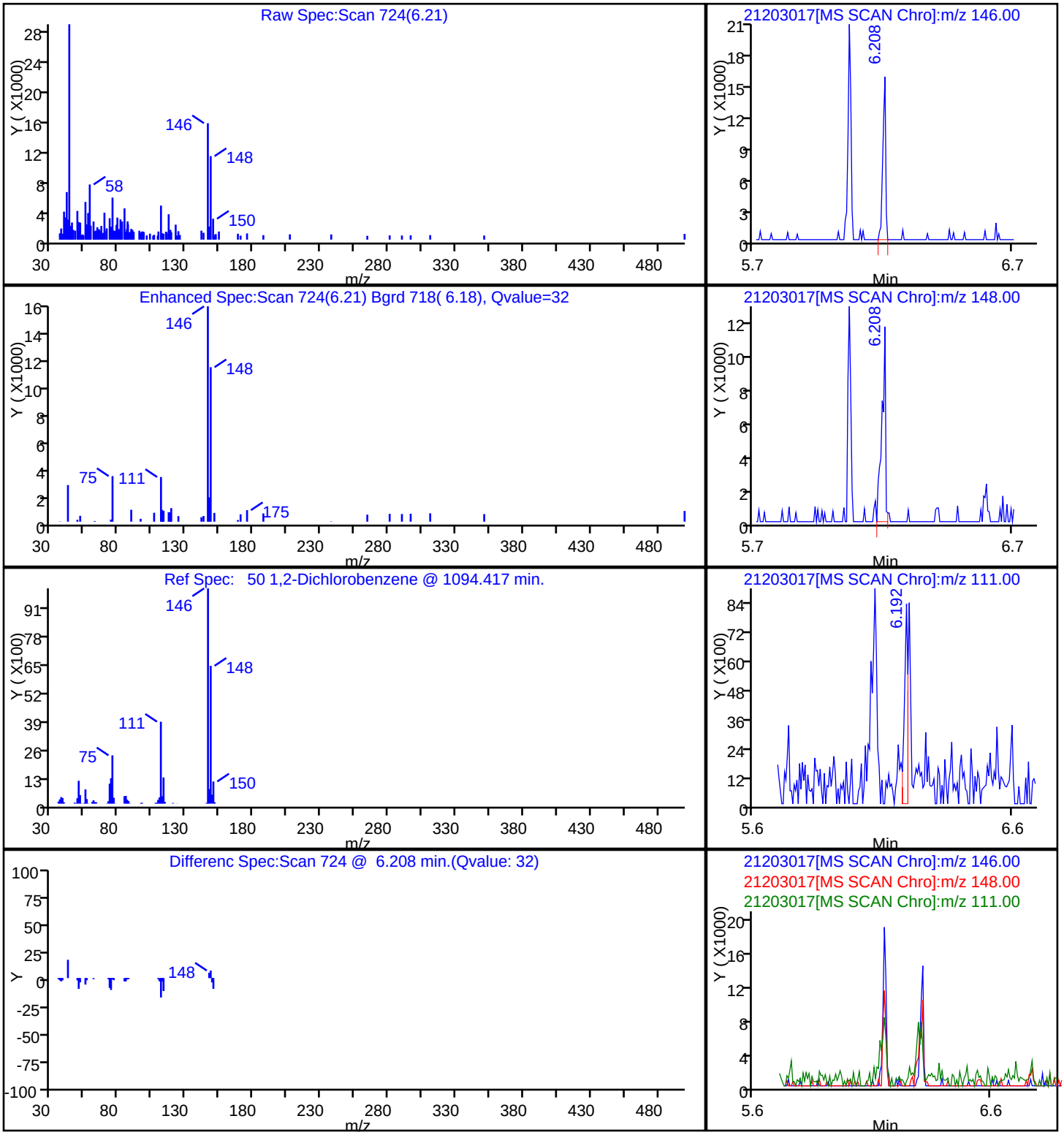
Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

50 1,2-Dichlorobenzene

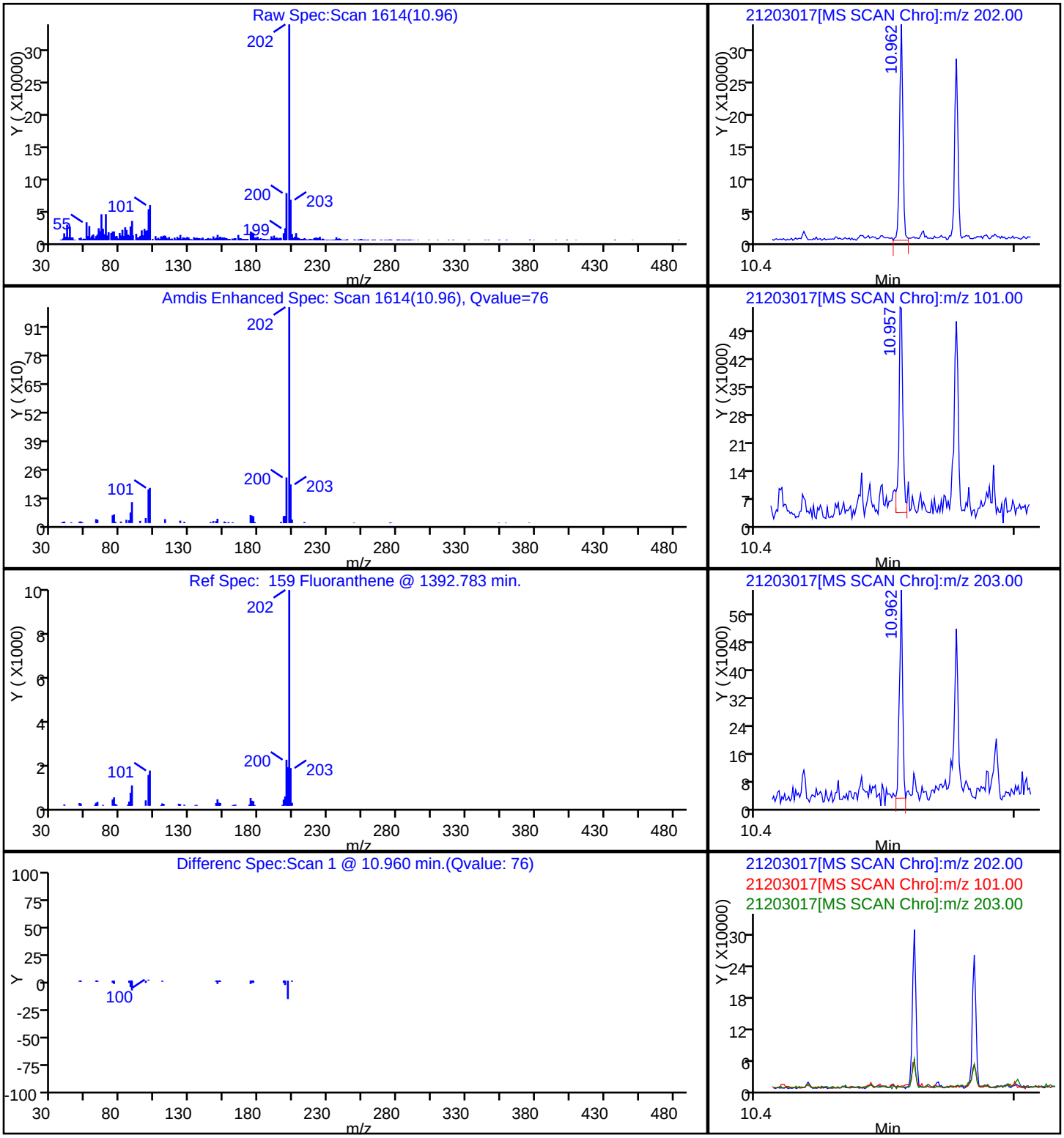


Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D		
Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



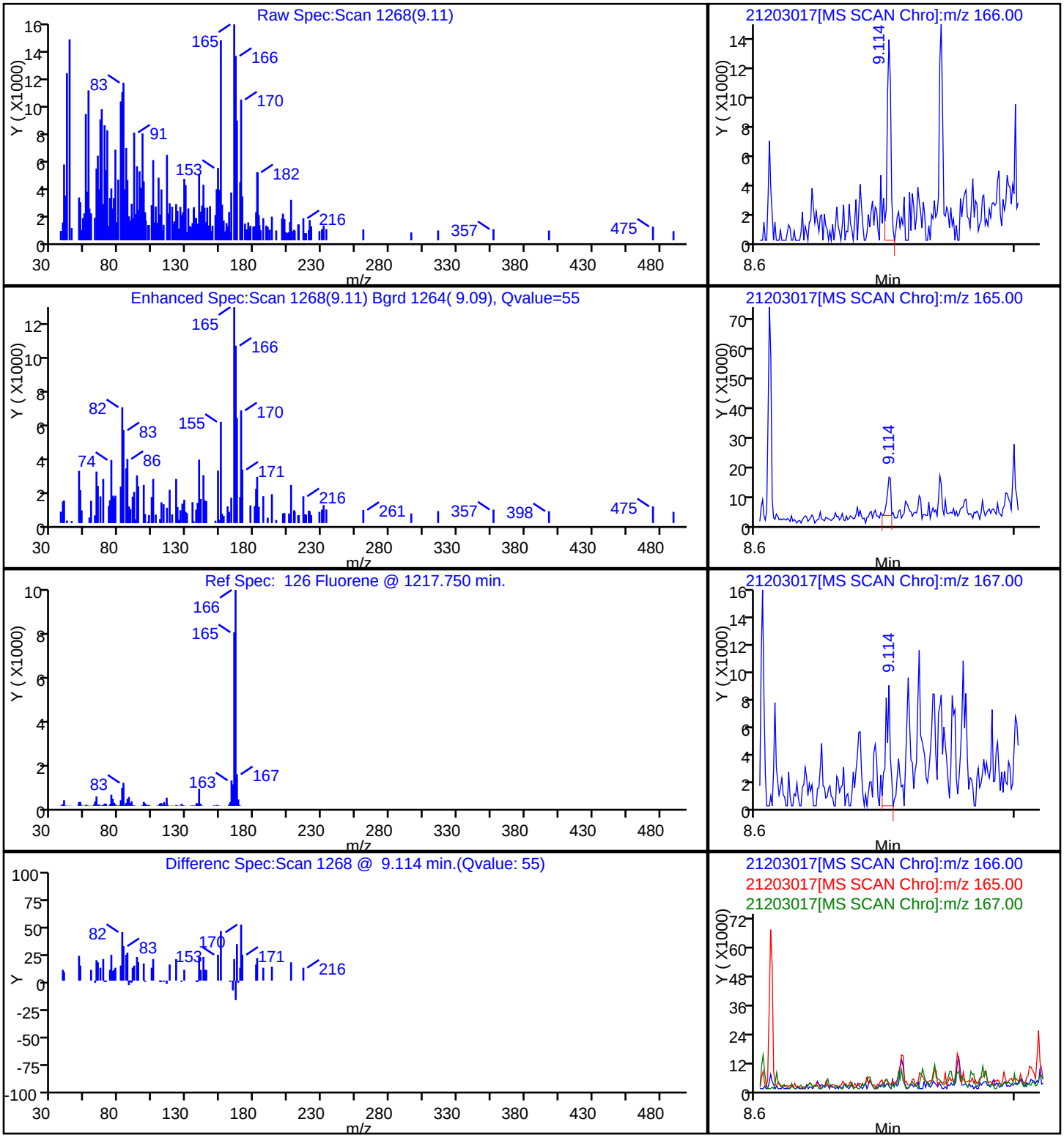
Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

126 Fluorene



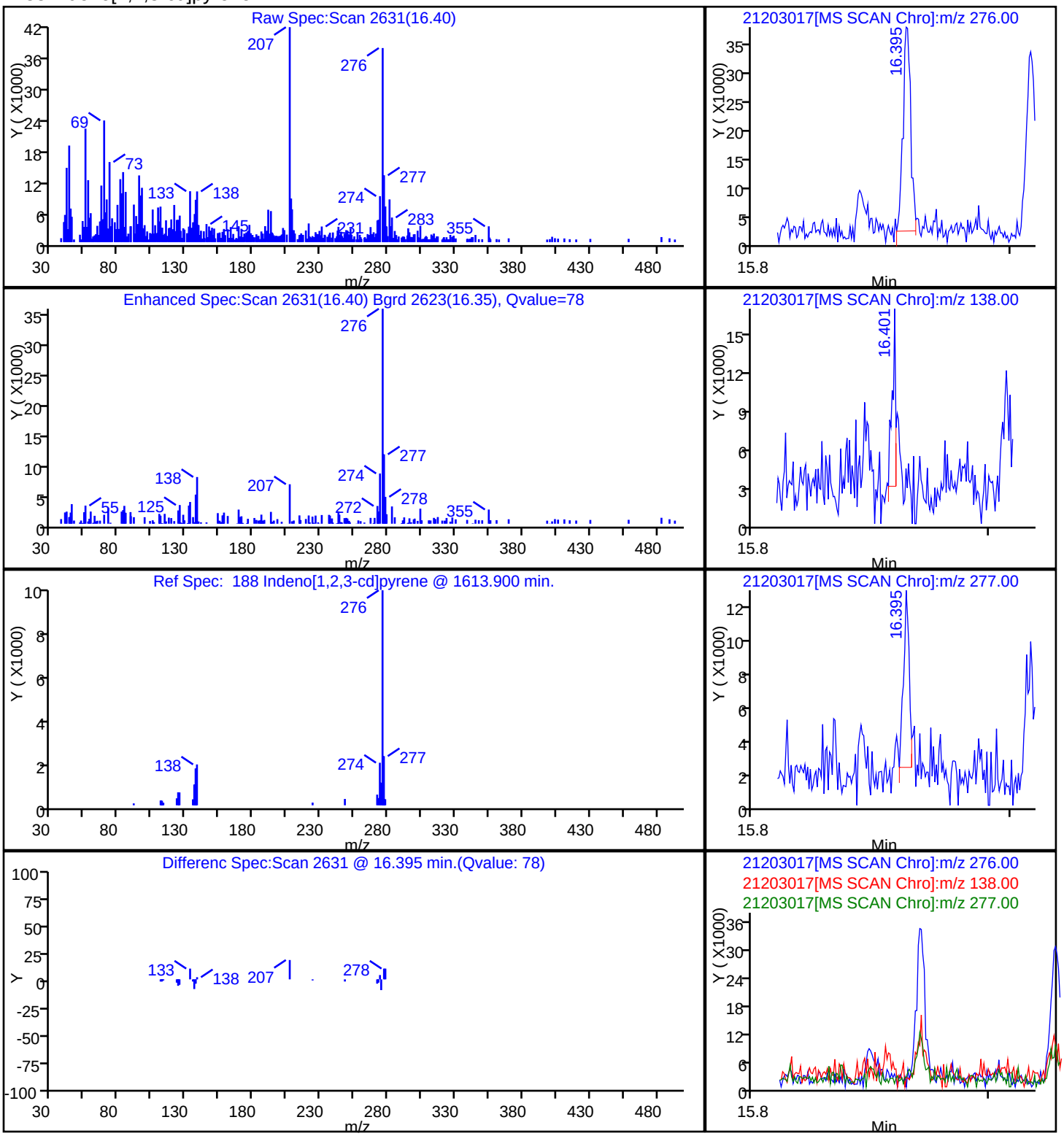
Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene



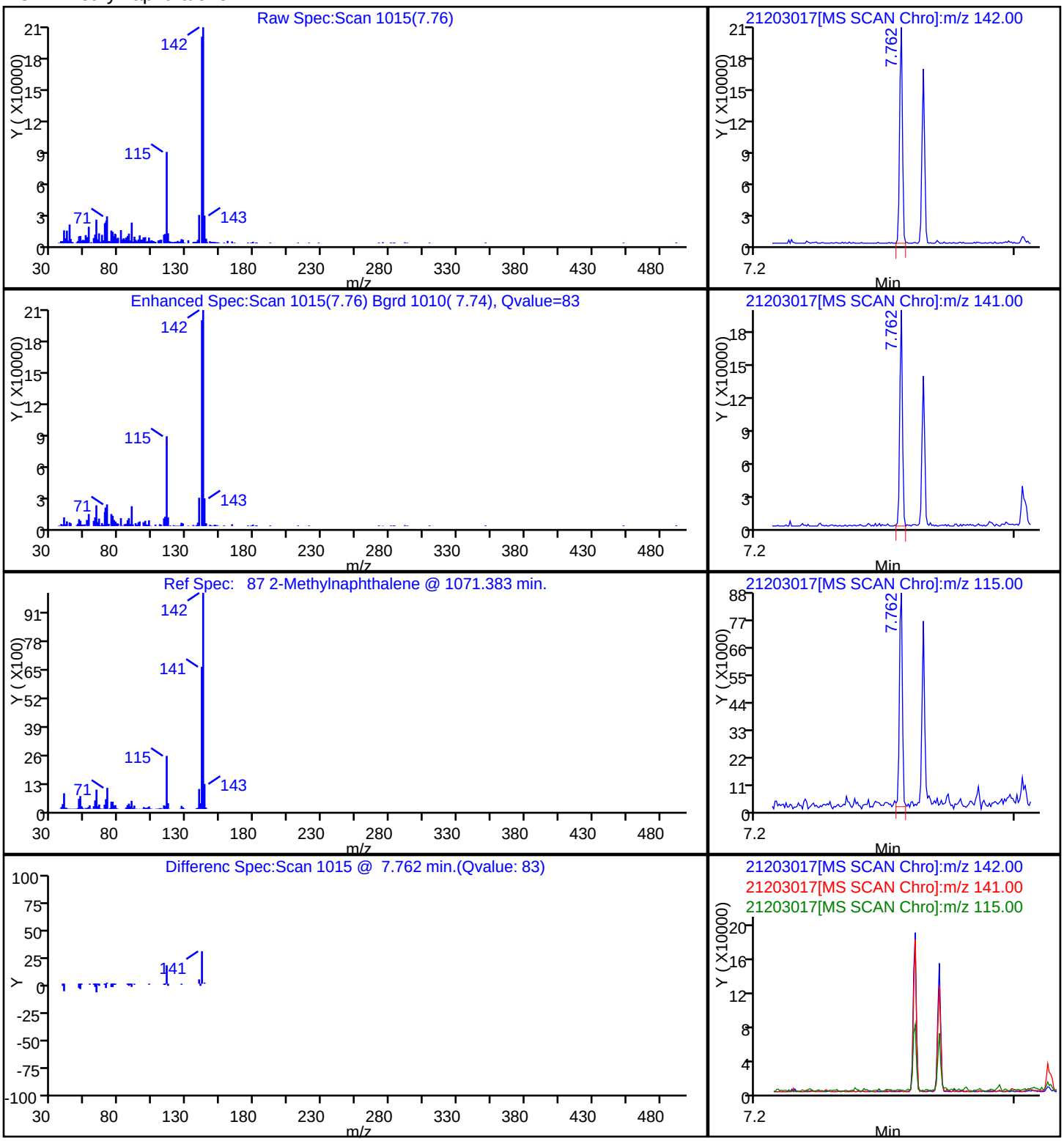
Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene

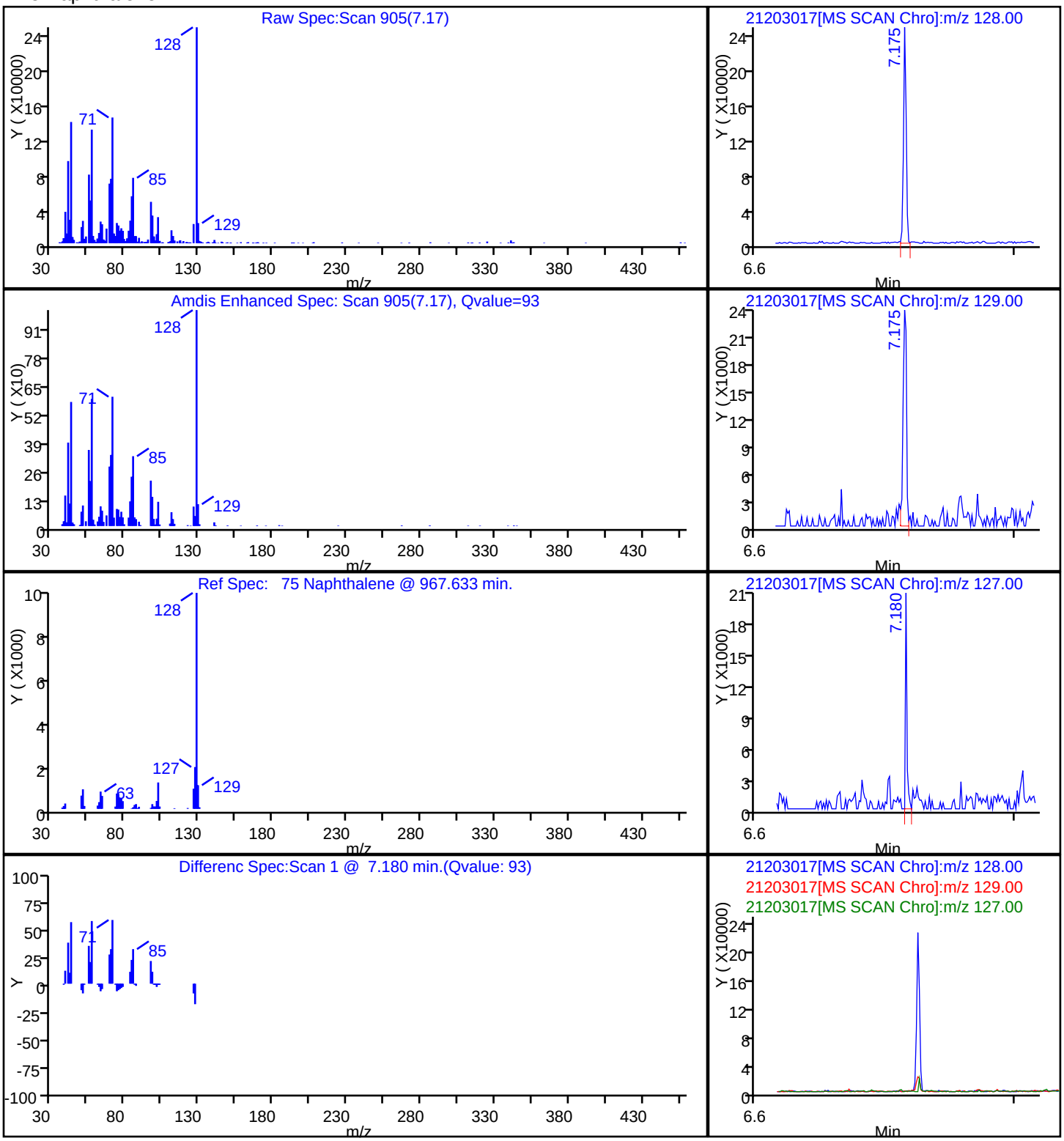


Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D		
Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



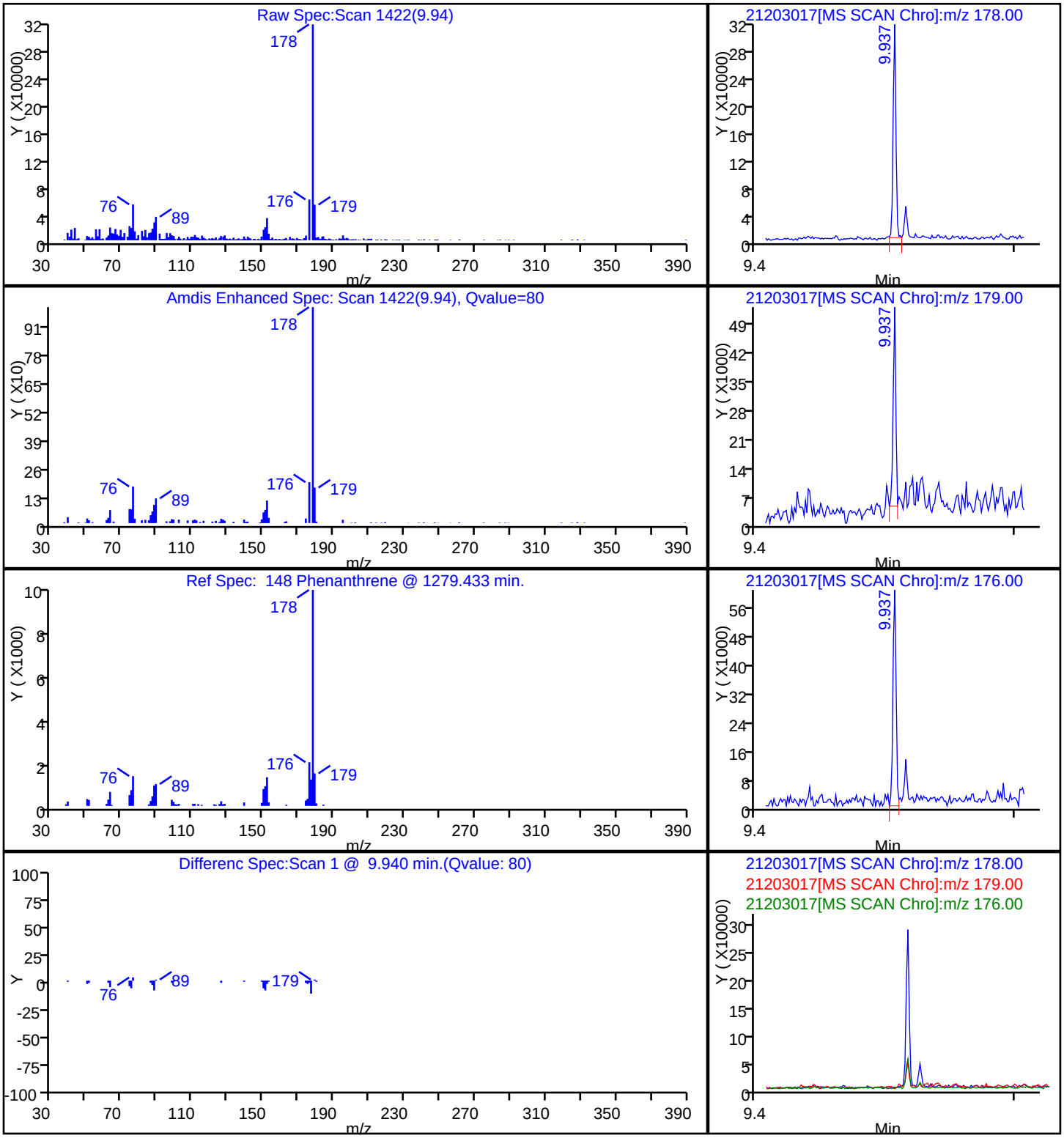
Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



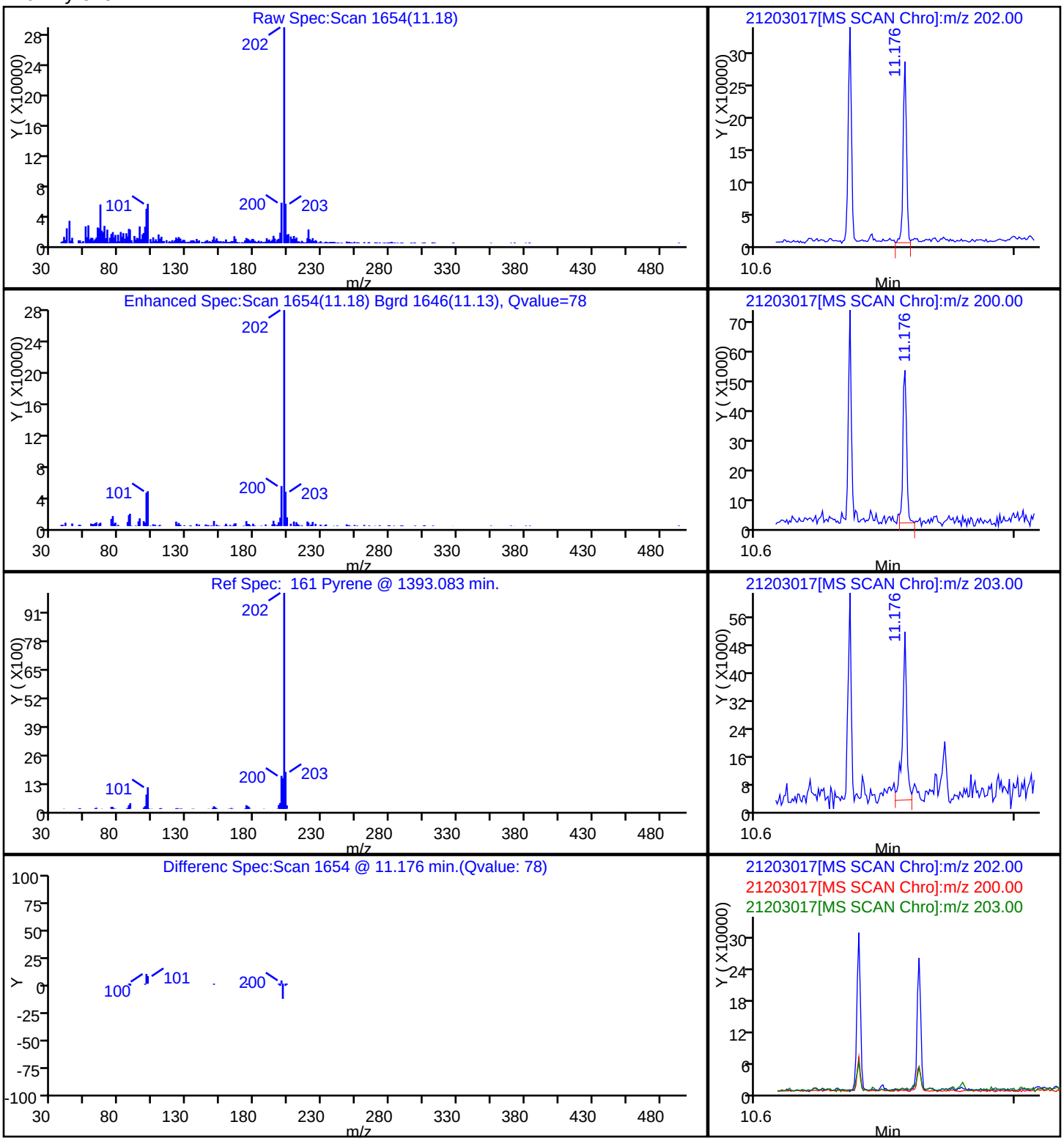
Report Date: 04-Dec-2012 09:30:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D

Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



Manual Integration/User Assign Peak Report

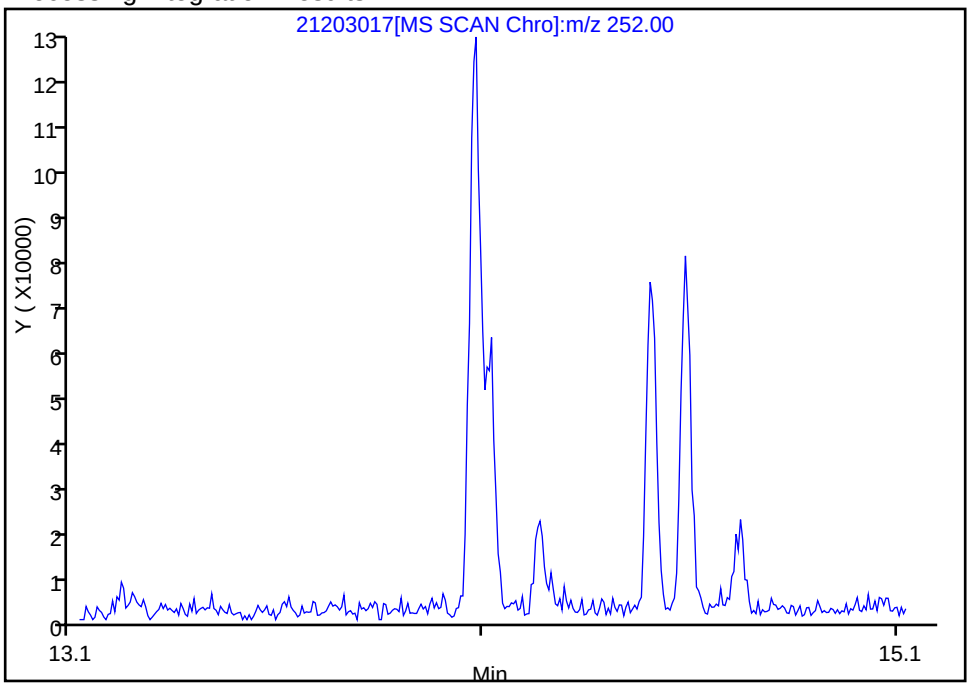
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203017.D		
Injection Date:	03-Dec-2012 17:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.12

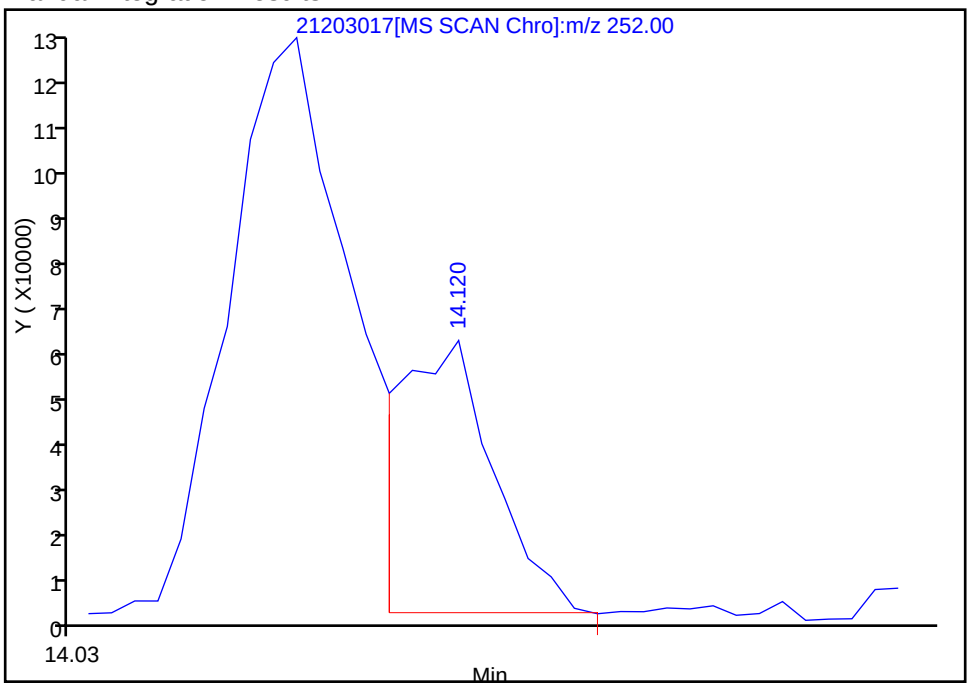
Not Detected
Expected RT: 14.12

Processing Integration Results



Manual Integration Results

RT: 14.12
Response: 90775
Amount: 0.401766



Reviewer: ulmanm, 04-Dec-2012 08:46:14
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO RE | Lab Sample ID: 240-17477-6 RE

Matrix: Solid | Lab File ID: 21207011.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 12/05/2012 10:50

Sample wt/vol: 29.74(g) | Date Analyzed: 12/07/2012 17:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
117-81-7	Bis(2-ethylhexyl) phthalate	27	U H	50	27	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	61		45-105
367-12-4	2-Fluorophenol (Surr)	74		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	60		35-100
1718-51-0	Terphenyl-d14 (Surr)	72		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	75		35-125
4165-62-2	Phenol-d5 (Surr)	74		40-100

Report Date: 08-Dec-2012 11:37:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207011.D
Lims ID: 240-17477-A-6-AO Client ID: 079SS-0004M-0001-SO
Inject. Date: 07-Dec-2012 17:03:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015623-011
Misc. Info.: 240-17477-A-6-AO =240-17477-A-6-AO
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 67729 Lims Sample ID: 11
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 11:37:47 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 08-Dec-2012 11:04:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.953	5.949	0.004	81	138488	4.00	
* 2 Naphthalene-d8	136	7.064	7.066	-0.002	99	565714	4.00	
* 3 Acenaphthene-d10	164	8.560	8.561	-0.001	77	370411	4.00	
* 4 Phenanthrene-d10	188	9.815	9.817	-0.002	75	617527	4.00	
* 5 Chrysene-d12	240	12.379	12.381	-0.002	75	644463	4.00	
* 6 Perylene-d12	264	14.468	14.470	-0.002	78	553312	4.00	
$ 7 2-Fluorophenol	112	4.778	4.688	0.090	92	605331	11.1	
$ 8 Phenol-d5	99	5.606	5.591	0.015	0	870724	11.1	
$ 9 Nitrobenzene-d5	82	6.439	6.435	0.004	83	522595	6.04	
$ 10 2-Fluorobiphenyl (Surr)	172	7.972	7.974	-0.002	94	751427	6.11	
$ 11 2,4,6-Tribromophenol	330	9.222	9.224	-0.002	87	161790	11.3	
$ 12 Terphenyl-d14	244	11.172	11.174	-0.002	80	950090	7.20	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					
32 N-Nitrosomethylethylamine	88		2.374					9
25 1,4-Dioxane	88		2.418					9
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
26 N-Nitrosodimethylamine	74		2.899					
27 Pyridine	79		2.947					
37 Ethyl methanesulfonate	79		3.105					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.631					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					9
29 3-Chloropropionitrile	54		4.021					
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					9
63 N-Nitrosopiperidine	114		4.254					
33 Malononitrile	66		4.416					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					9
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					9
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.568	5.548	0.020	78	19375	0.3669	
43 Phenol	94		5.602					2
44 Aniline	93		5.645					
103 1,4-Naphthoquinone	158		5.680					
69 Bis(2-chloroethyl)ether	93		5.698					
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128		5.751					9
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146		5.896					
48 1,4-Dichlorobenzene	146	5.969	5.965	0.004	59	18391	0.3349	
49 Benzyl alcohol	108		6.056					
115 Pentachlorobenzene	250		6.091					
50 1,2-Dichlorobenzene	146		6.099					9
51 2-Methylphenol	108		6.147					9
117 1-Naphthylamine	143		6.166					9
53 2,2'-oxybis[1-chloropropane]	45		6.179					
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					9
21 3 & 4 Methylphenol	108	6.284	6.280	0.004	62	8262	0.1306	
57 N-Nitrosodi-n-propylamine	70		6.291					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105	6.300	6.296	0.004	84	35878	0.3906	
122 Thionazin	97		6.305					
124 N-Nitro-o-toluidine	152		6.358					9
127 Tributyl phosphate	99		6.379					
61 Hexachloroethane	117		6.403					
130 Diphenylamine	169		6.428					
62 Nitrobenzene	77		6.451					
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					
64 Isophorone	82	6.658	6.654	0.004	79	20945	0.1260	
230 Diallate Peak 2	86		6.695					
66 2-Nitrophenol	139		6.729					9
67 1,3,5-Trichlorobenzene	180		6.740					
65 2,4-Dimethylphenol	107		6.745					
140 Dimethoate	87		6.764					
71 Benzoic acid	122		6.814					9
70 Bis(2-chloroethoxy)methane	93		6.831					
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162		6.932					
146 Disulfoton	88		7.010					9
74 1,2,4-Trichlorobenzene	180		7.012					
147 Dinoseb	211		7.020					
75 Naphthalene	128	7.085	7.087	-0.002	63	161858	1.04	
76 4-Chloroaniline	127		7.114					
79 Hexachlorobutadiene	225		7.183					
80 1,2,3-Trichlorobenzene	180		7.204					
152 Methyl parathion	109		7.282					
84 Caprolactam	113		7.402					
86 4-Chloro-3-methylphenol	107		7.509					
155 Ethyl Parathion	97		7.560					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142	7.673	7.675	-0.002	87	152904	1.57	
88 1-Methylnaphthalene	142	7.758	7.760	-0.002	87	127338	1.35	
90 1,2,3,5-Tetrachlorobenzene	216		7.803					
89 Hexachlorocyclopentadiene	237		7.803					
158 Isodrin	66		7.816					
92 2,4,6-Trichlorophenol	196		7.899					9
93 2,4,5-Trichlorophenol	196		7.931					9
97 2,4-Toluene diamine	121		8.043					
99 1,2,3,4 -Tetrachlorobenzene	216		8.054					
98 1,1'-Biphenyl	154	8.063	8.065	-0.002	65	19372	0.1448	
100 2-Chloronaphthalene	162		8.091					9
226 Aramite Peak 1	185		8.131					
102 2-Nitroaniline	65		8.161					
229 Aramite Peak 2	185		8.185					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163		8.300					
107 2,6-Dinitrotoluene	165		8.358					
108 1,2-Dinitrobenzene	168		8.406					9
109 Acenaphthylene	152	8.442	8.444	-0.002	58	28523	0.1751	
167 Famphur	218		8.473					9
110 3-Nitroaniline	138		8.503					9
169 3,3'-Dimethylbenzidine	212		8.516					9
112 Acenaphthene	153	8.586	8.588	-0.002	40	10464	0.1013	
111 2,4-Dinitrophenol	184		8.593					
113 4-Nitrophenol	109		8.620					
114 2,4-Dinitrotoluene	165		8.700					
171 2-Acetylaminofluorene	181		8.713					9
116 Dibenzofuran	168	8.731	8.732	-0.001	90	54365	0.3647	
118 2,3,5,6-Tetrachlorophenol	232		8.791					
121 Diethyl phthalate	149		8.887					
123 4-Chlorophenyl phenyl ether	204		9.005					
125 4-Nitroaniline	138		9.021					
126 Fluorene	166	9.025	9.021	0.003	68	14748	0.1169	
128 4,6-Dinitro-2-methylphenol	198		9.042					9
131 N-Nitrosodiphenylamine	169		9.101					
133 Azobenzene	77		9.144					
132 1,2-Diphenylhydrazine	77		9.144					
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248		9.421					9
141 Hexachlorobenzene	284		9.486					
142 Atrazine	200		9.534					
179 6-Methylchrysene	242		9.576					9
143 Pentachlorophenol	266		9.646					
148 Phenanthrene	178	9.837	9.838	-0.001	79	241318	1.31	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
149 Anthracene	178	9.879	9.881	-0.002	64	37919	0.2052	
151 Carbazole	167		10.004					
154 Di-n-butyl phthalate	149		10.260					9
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.852	10.848	0.004	70	301324	1.43	
160 Benzidine	184		10.944					
161 Pyrene	202	11.060	11.061	-0.001	71	250709	1.12	
166 4,4'-DDE	246		11.111					
165 4,4'-DDD	235		11.490					
168 Butyl benzyl phthalate	149		11.654					
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.779					
186 Dibenz[a,j]acridine	279		11.804					
172 3,3'-Dimethoxybenzidine	244		12.269					
175 3,3'-Dichlorobenzidine	252		12.312					
174 4,4'-Methylene bis(2-chloroanili	231		12.312					
173 Bis(2-ethylhexyl) phthalate	149	12.326	12.333	-0.007	32	29655	0.2239	
177 Benzo[a]anthracene	228	12.363	12.370	-0.007	79	149892	0.7469	
178 Chrysene	228	12.411	12.418	-0.007	75	201320	1.09	
180 Di-n-octyl phthalate	149		13.246					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
182 Benzo[b]fluoranthene	252	13.886	13.887	-0.001	82	288890	1.51	
183 Benzo[k]fluoranthene	252	13.923	13.930	-0.007	83	81104	0.4112	M
184 Benzo[a]pyrene	252	14.388	14.390	-0.002	63	134972	0.7455	
188 Indeno[1,2,3-cd]pyrene	276	16.135	16.142	-0.007	78	111662	0.5614	
189 Dibenz(a,h)anthracene	278		16.169					9
190 Benzo[g,h,i]perylene	276	16.594	16.601	-0.007	72	96536	0.5779	
S 191 Methyl Phenols,Total	100				0		0.1306	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					
T 195 Hydroquinone TIC	110		0.000					1
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 236 3-isopropylphenol TIC	121		4.756					
T 235 4-isopropylphenol TIC	121		4.756					
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

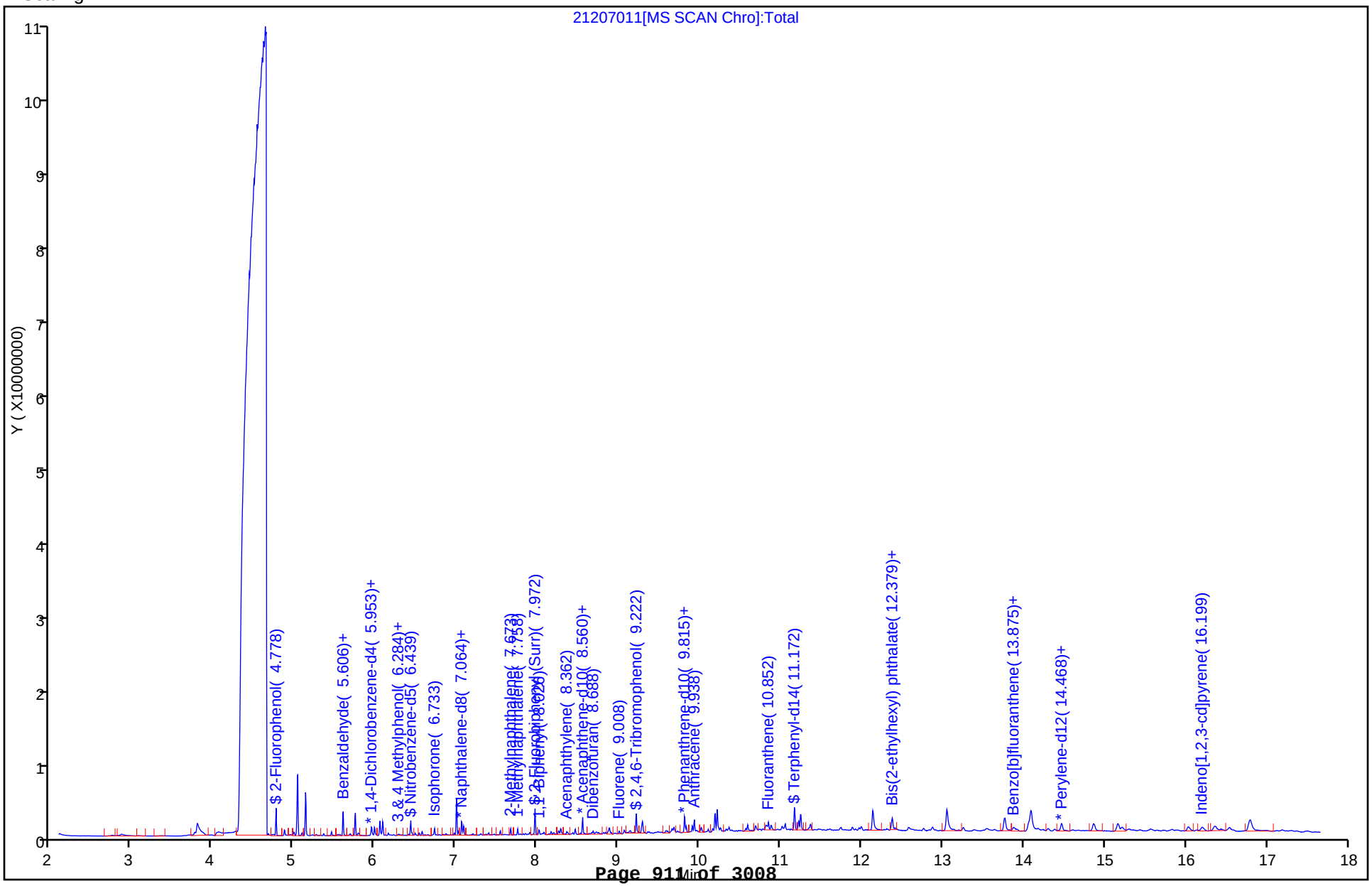
Review Flags
M - Manually Integrated

Report Date: 08-Dec-2012 11:37:53 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207011.D		
Injection Date:	07-Dec-2012 17:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	11
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO | Lab Sample ID: 240-17477-7

Matrix: Solid | Lab File ID: 21203016.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 29.78(g) | Date Analyzed: 12/03/2012 17:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.6	J	6.7	3.3	3.3
208-96-8	Acenaphthylene	12		6.7	3.3	3.3
120-12-7	Anthracene	12		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	58		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	49		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	100		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	40		6.7	3.3	3.3
65-85-0	Benzoic acid	340	U	660	340	340
207-08-9	Benzo[k]fluoranthene	42	M	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.6
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	82		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	17	J	50	3.3	3.3
106-46-7	1,4-Dichlorobenzene	20	J	50	27	20
95-50-1	1,2-Dichlorobenzene	95		50	27	9.8
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
91-94-1	3,3'-Dichlorobenzidine	81	U	100	81	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	50	27	16
105-67-9	2,4-Dimethylphenol	81	U	150	81	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15
534-52-1	4,6-Dinitro-2-methylphenol	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO | Lab Sample ID: 240-17477-7

Matrix: Solid | Lab File ID: 21203016.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 29.78(g) | Date Analyzed: 12/03/2012 17:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
51-28-5	2,4-Dinitrophenol	81	U	330	81	81
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	50	27	27
206-44-0	Fluoranthene	96		6.7	3.3	3.3
86-73-7	Fluorene	5.1	J	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	34	M	6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	53		6.7	3.3	3.3
95-48-7	2-Methylphenol	81	U	200	81	81
15831-10-4	3 & 4 Methylphenol	81	U	400	81	20
91-20-3	Naphthalene	36		6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.2
99-09-2	3-Nitroaniline	81	U	200	81	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	81	U	330	81	81
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	81	U	150	81	81
85-01-8	Phenanthrene	56		6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	79		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO | Lab Sample ID: 240-17477-7

Matrix: Solid | Lab File ID: 21203016.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 29.78(g) | Date Analyzed: 12/03/2012 17:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	69		45-105
367-12-4	2-Fluorophenol (Surr)	87		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	72		35-100
1718-51-0	Terphenyl-d14 (Surr)	81		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	82		35-125
4165-62-2	Phenol-d5 (Surr)	87		40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D
Lims ID: 240-17477-A-7-G Client ID: 079SS-0005M-0001-SO
Inject. Date: 03-Dec-2012 17:34:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015467-016
Misc. Info.: 240-17477-A-7-G =240-17477-A-7-G
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 67070 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 09:30:37 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm Date: 04-Dec-2012 08:43:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.050	0.001	83	135138	4.00	
* 2 Naphthalene-d8	136	7.157	7.156	0.001	99	616391	4.00	
* 3 Acenaphthene-d10	164	8.652	8.652	0.0	77	380110	4.00	
* 4 Phenanthrene-d10	188	9.913	9.918	-0.005	77	654892	4.00	
* 5 Chrysene-d12	240	12.536	12.541	-0.005	79	674170	4.00	
* 6 Perylene-d12	264	14.673	14.677	-0.004	94	562194	4.00	
$ 7 2-Fluorophenol	112	4.865	4.832	0.033	93	694806	13.1	
$ 8 Phenol-d5	99	5.693	5.687	0.006	0	1005769	13.1	
$ 9 Nitrobenzene-d5	82	6.532	6.531	0.001	82	683828	7.25	
$ 10 2-Fluorobiphenyl (Surr)	172	8.059	8.059	0.0	94	875206	6.93	
$ 11 2,4,6-Tribromophenol	330	9.315	9.319	-0.004	77	180182	12.2	
$ 12 Terphenyl-d14	244	11.291	11.291	0.0	80	1124912	8.15	
43 Phenol	94		5.703					
69 Bis(2-chloroethyl)ether	93		5.804					
46 2-Chlorophenol	128		5.858					9
47 1,3-Dichlorobenzene	146		6.002					
48 1,4-Dichlorobenzene	146	6.072	6.066	0.006	68	15763	0.2942	
49 Benzyl alcohol	108		6.157					9
50 1,2-Dichlorobenzene	146	6.206	6.199	0.007	60	72976	1.42	
51 2-Methylphenol	108		6.237					9
53 2,2'-oxybis[1-chloropropane]	45		6.274					
21 3 & 4 Methylphenol	108		6.365					9
57 N-Nitrosodi-n-propylamine	70		6.386					
61 Hexachloroethane	117		6.504					
62 Nitrobenzene	77		6.547					
64 Isophorone	82		6.744					
66 2-Nitrophenol	139		6.819					9
65 2,4-Dimethylphenol	107		6.830					9
71 Benzoic acid	122	6.841	6.889	-0.048	56	7693	1.73	
70 Bis(2-chloroethoxy)methane	93		6.915					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		7.017					9
74 1,2,4-Trichlorobenzene	180		7.102					9
75 Naphthalene	128	7.173	7.177	-0.004	84	90184	0.5328	
76 4-Chloroaniline	127		7.204					
79 Hexachlorobutadiene	225		7.268					
86 4-Chloro-3-methylphenol	107		7.594					9
87 2-Methylnaphthalene	142	7.760	7.759	0.001	84	84098	0.7925	
89 Hexachlorocyclopentadiene	237		7.893					
92 2,4,6-Trichlorophenol	196		7.989					9
93 2,4,5-Trichlorophenol	196		8.016					9
100 2-Chloronaphthalene	162		8.181					
102 2-Nitroaniline	65		8.246					
105 Dimethyl phthalate	163		8.384					
107 2,6-Dinitrotoluene	165		8.443					
109 Acenaphthylene	152	8.535	8.534	0.001	88	29024	0.1736	
110 3-Nitroaniline	138		8.593					
111 2,4-Dinitrophenol	184		8.678					
112 Acenaphthene	153	8.679	8.678	0.001	32	5626	0.0531	
113 4-Nitrophenol	109		8.700					
114 2,4-Dinitrotoluene	165		8.785					
116 Dibenzofuran	168	8.823	8.822	0.001	82	38499	0.2516	
121 Diethyl phthalate	149		8.977					9
123 4-Chlorophenyl phenyl ether	204		9.100					9
125 4-Nitroaniline	138		9.111					
126 Fluorene	166	9.112	9.116	-0.004	46	9848	0.0760	
128 4,6-Dinitro-2-methylphenol	198		9.132					9
131 N-Nitrosodiphenylamine	169		9.191					
139 4-Bromophenyl phenyl ether	248		9.517					9
141 Hexachlorobenzene	284		9.581					
143 Pentachlorophenol	266		9.741					9
148 Phenanthrene	178	9.935	9.939	-0.004	74	163945	0.8379	
149 Anthracene	178	9.977	9.982	-0.005	76	36240	0.1849	
151 Carbazole	167		10.105					
154 Di-n-butyl phthalate	149		10.356					
159 Fluoranthene	202	10.955	10.959	-0.004	75	319529	1.43	
161 Pyrene	202	11.174	11.178	-0.004	77	274649	1.18	
168 Butyl benzyl phthalate	149		11.787					9
175 3,3'-Dichlorobenzidine	252		12.466					
173 Bis(2-ethylhexyl) phthalate	149	12.477	12.482	-0.005	81	62638	0.4521	
177 Benzo[a]anthracene	228	12.520	12.525	-0.005	84	180417	0.8594	
178 Chrysene	228	12.568	12.573	-0.005	72	233747	1.21	
180 Di-n-octyl phthalate	149		13.422					
182 Benzo[b]fluoranthene	252	14.075	14.079	-0.004	81	289777	1.49	
183 Benzo[k]fluoranthene	252	14.107	14.122	-0.015	82	125490	0.6261	M
184 Benzo[a]pyrene	252	14.582	14.597	-0.015	63	133966	0.7282	
188 Indeno[1,2,3-cd]pyrene	276	16.388	16.403	-0.015	80	102280	0.5061	M
189 Dibenz(a,h)anthracene	278		16.430					
190 Benzo[g,h,i]perylene	276	16.879	16.889	-0.010	57	102246	0.6024	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

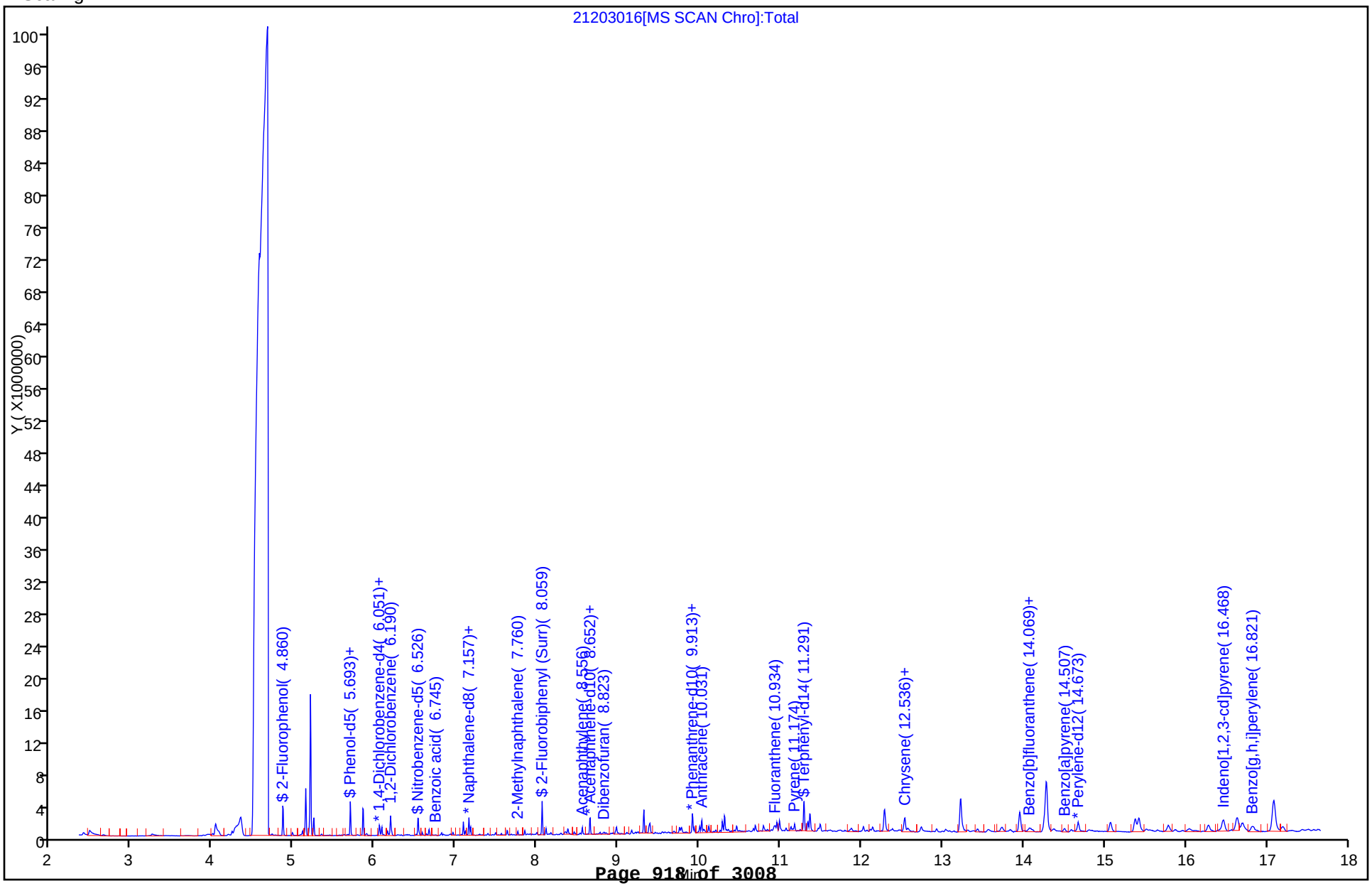
Review Flags
M - Manually Integrated

Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D		
Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

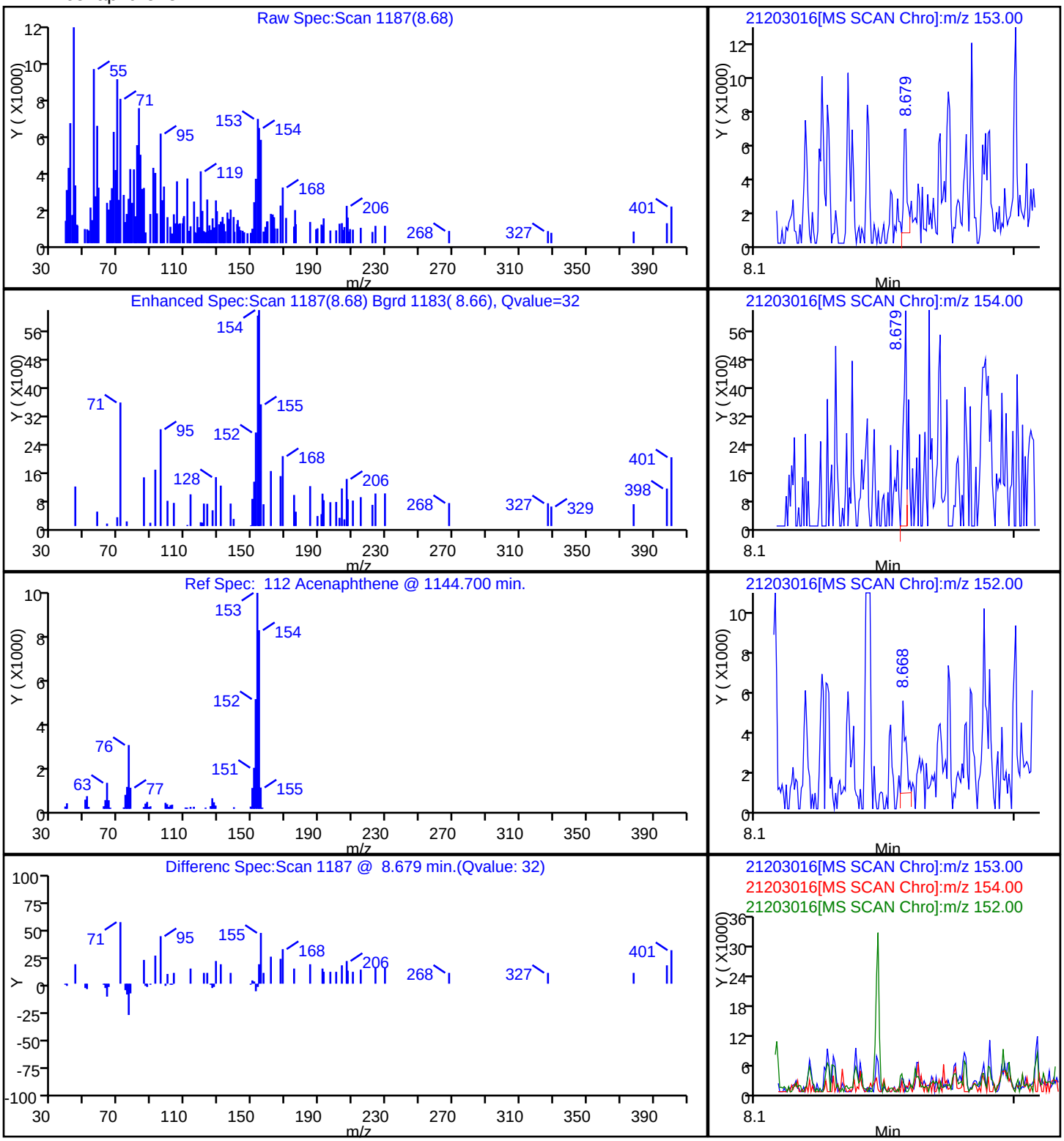


Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D		
Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

112 Acenaphthene



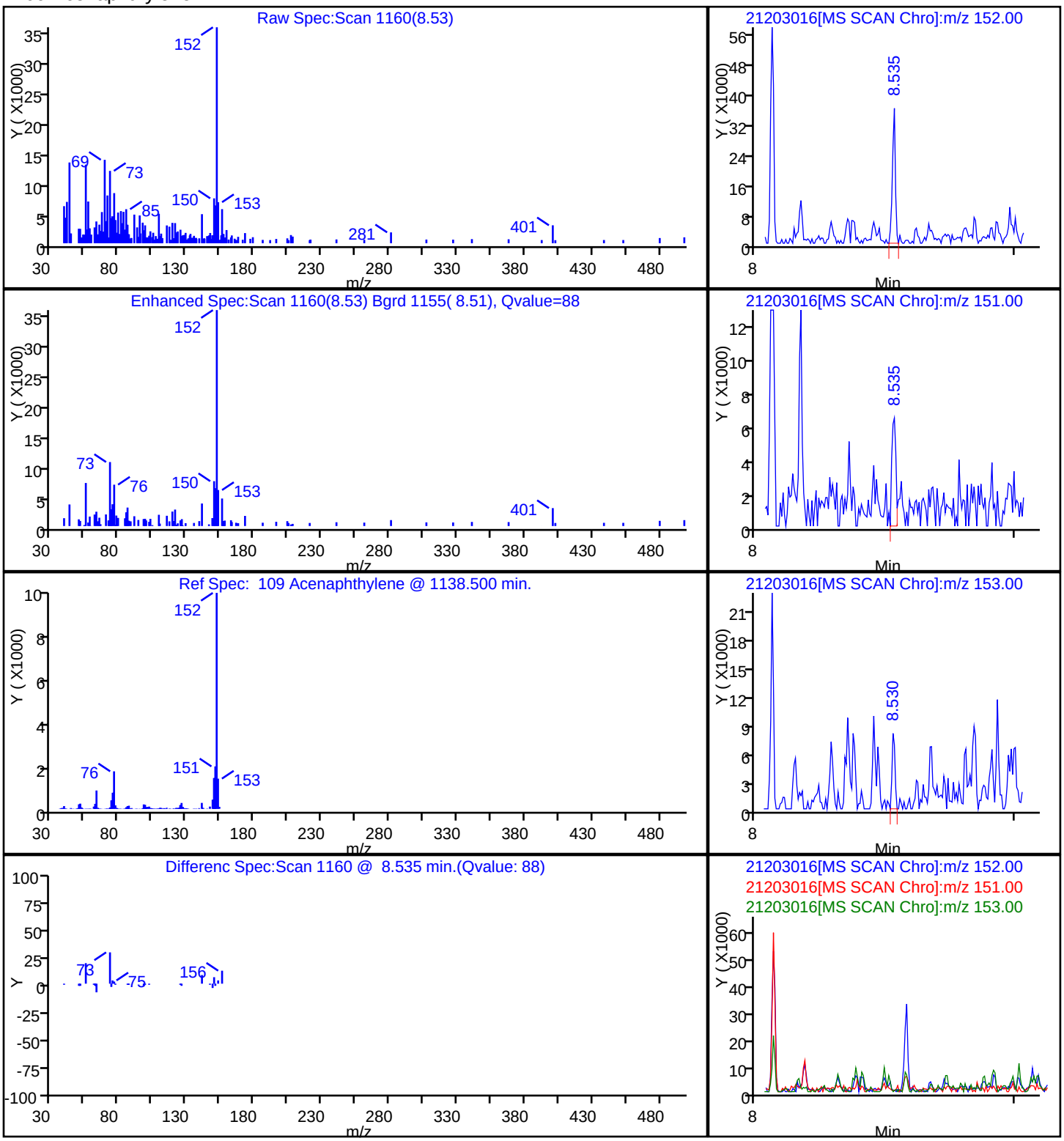
Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

109 Acenaphthylene



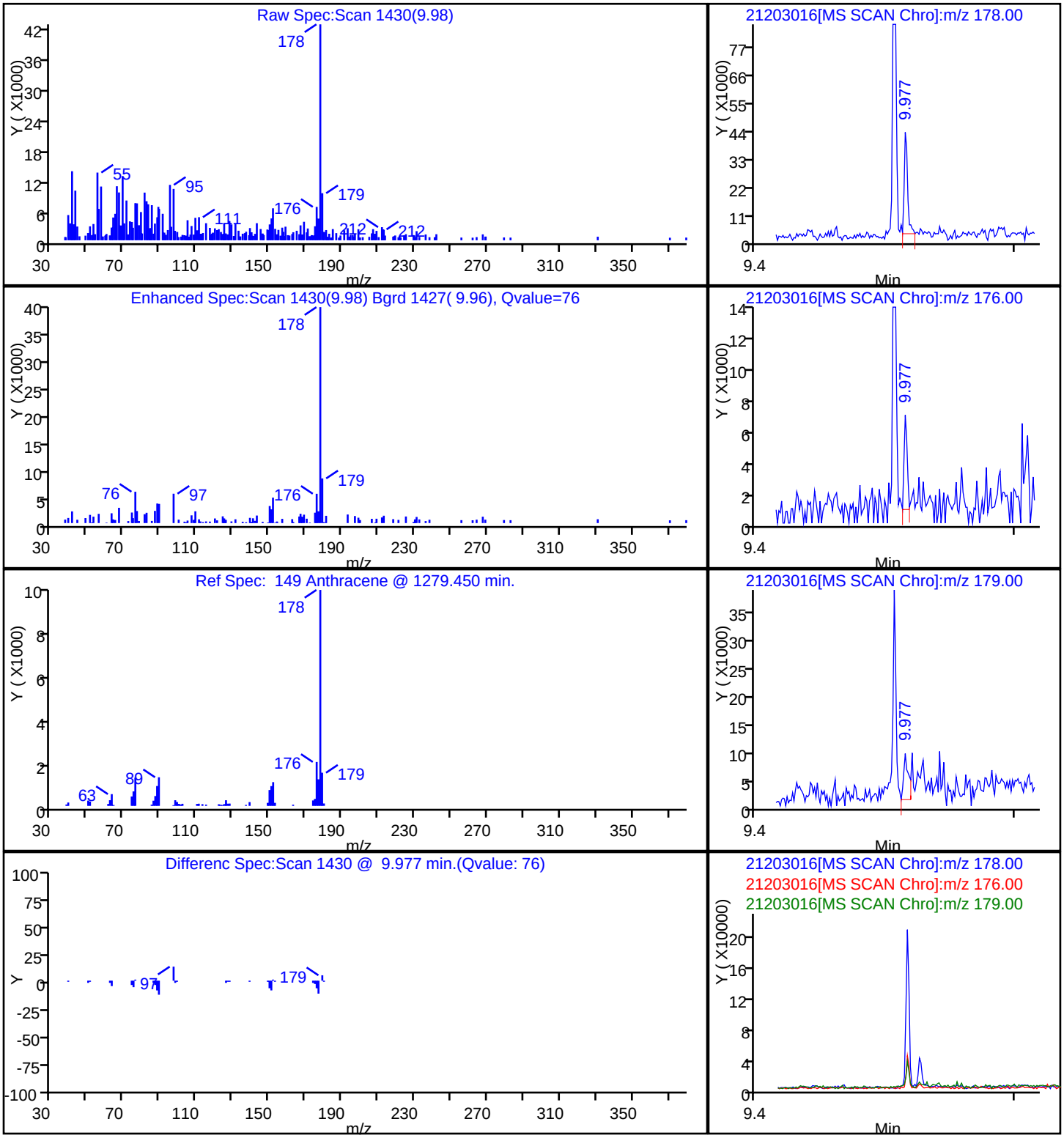
Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

149 Anthracene

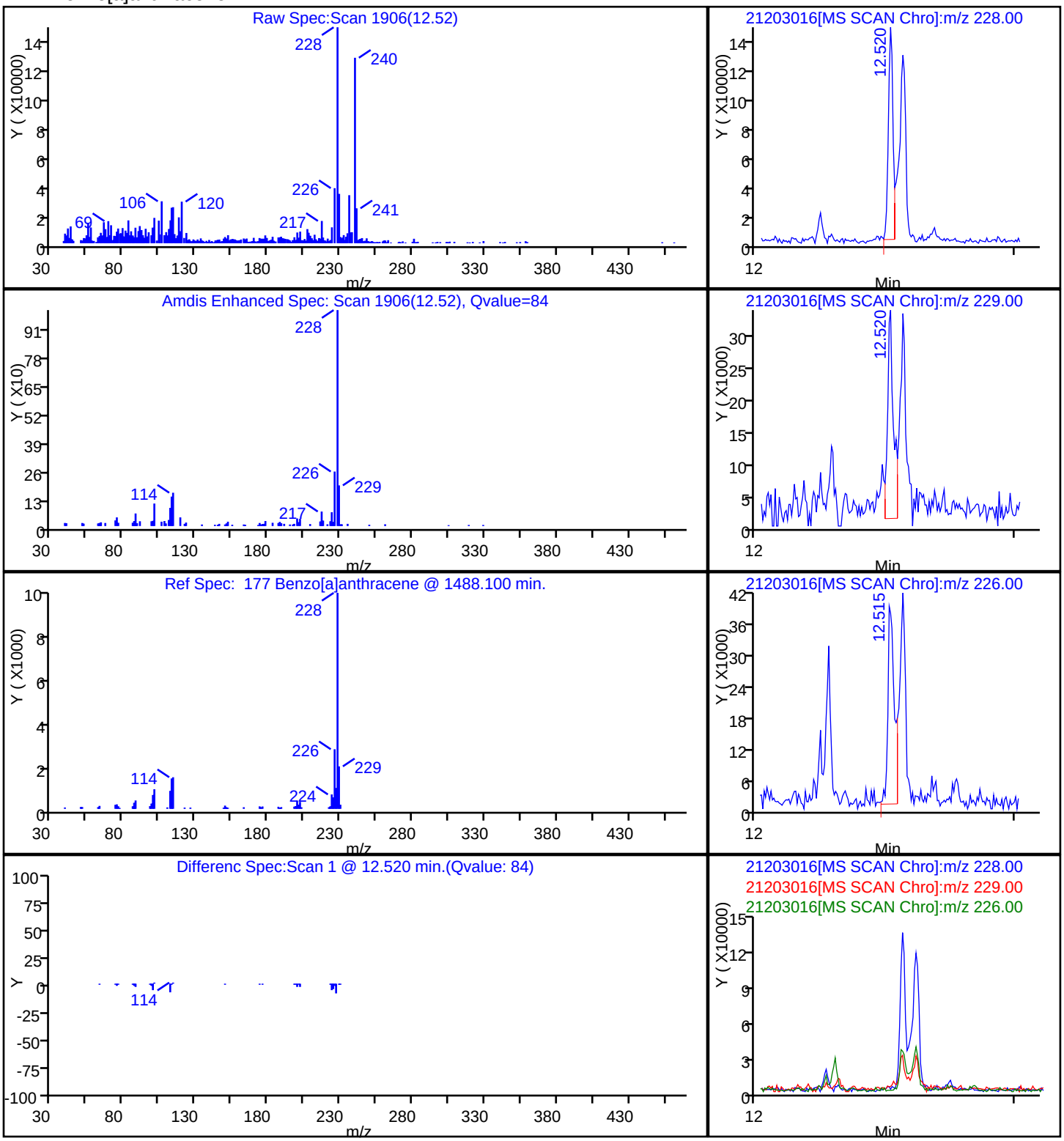


Report Date: 04-Dec-2012 09:30:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D		
Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

177 Benzo[a]anthracene



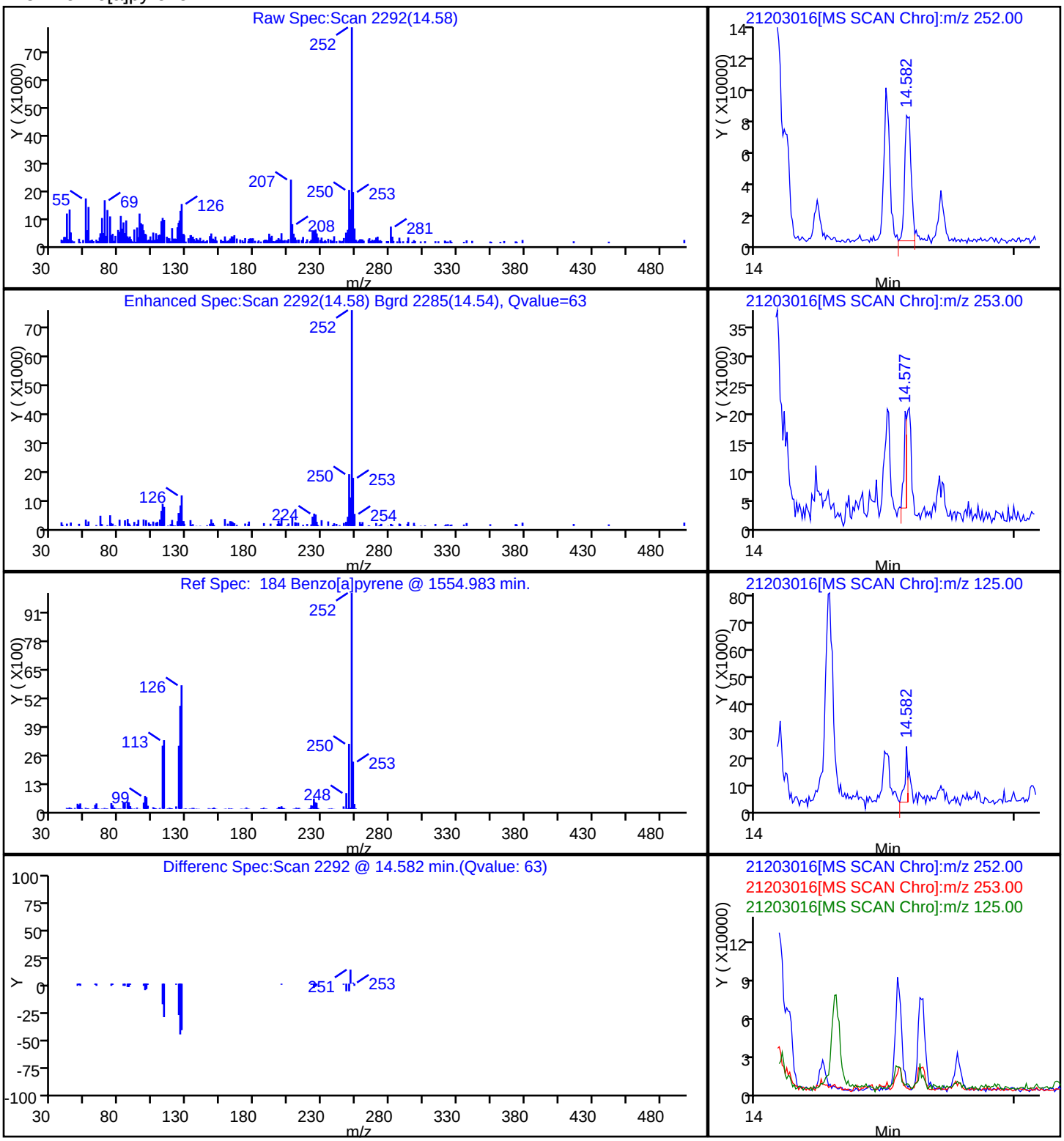
Report Date: 04-Dec-2012 09:30:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

184 Benzo[a]pyrene



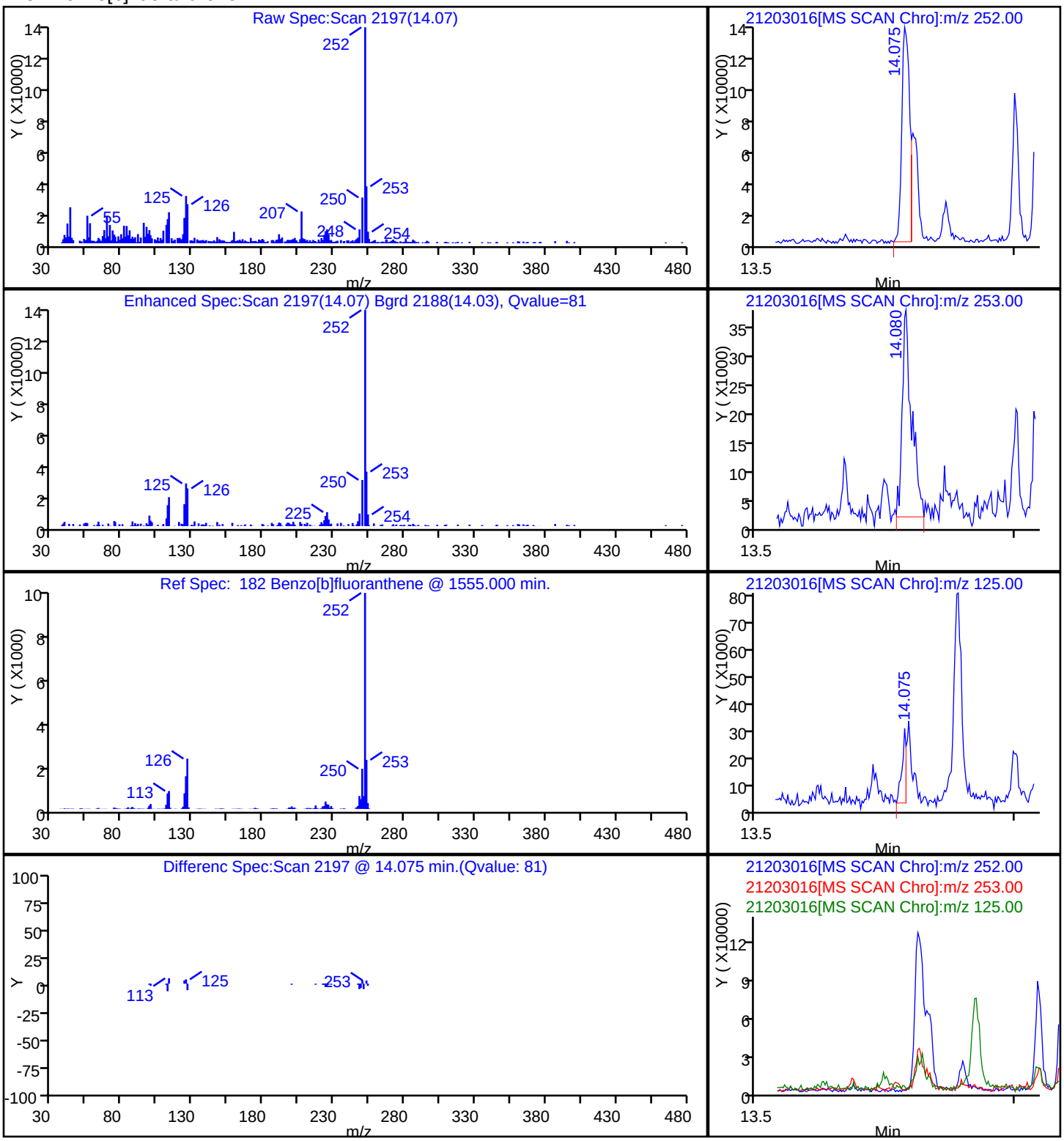
Report Date: 04-Dec-2012 09:30:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene

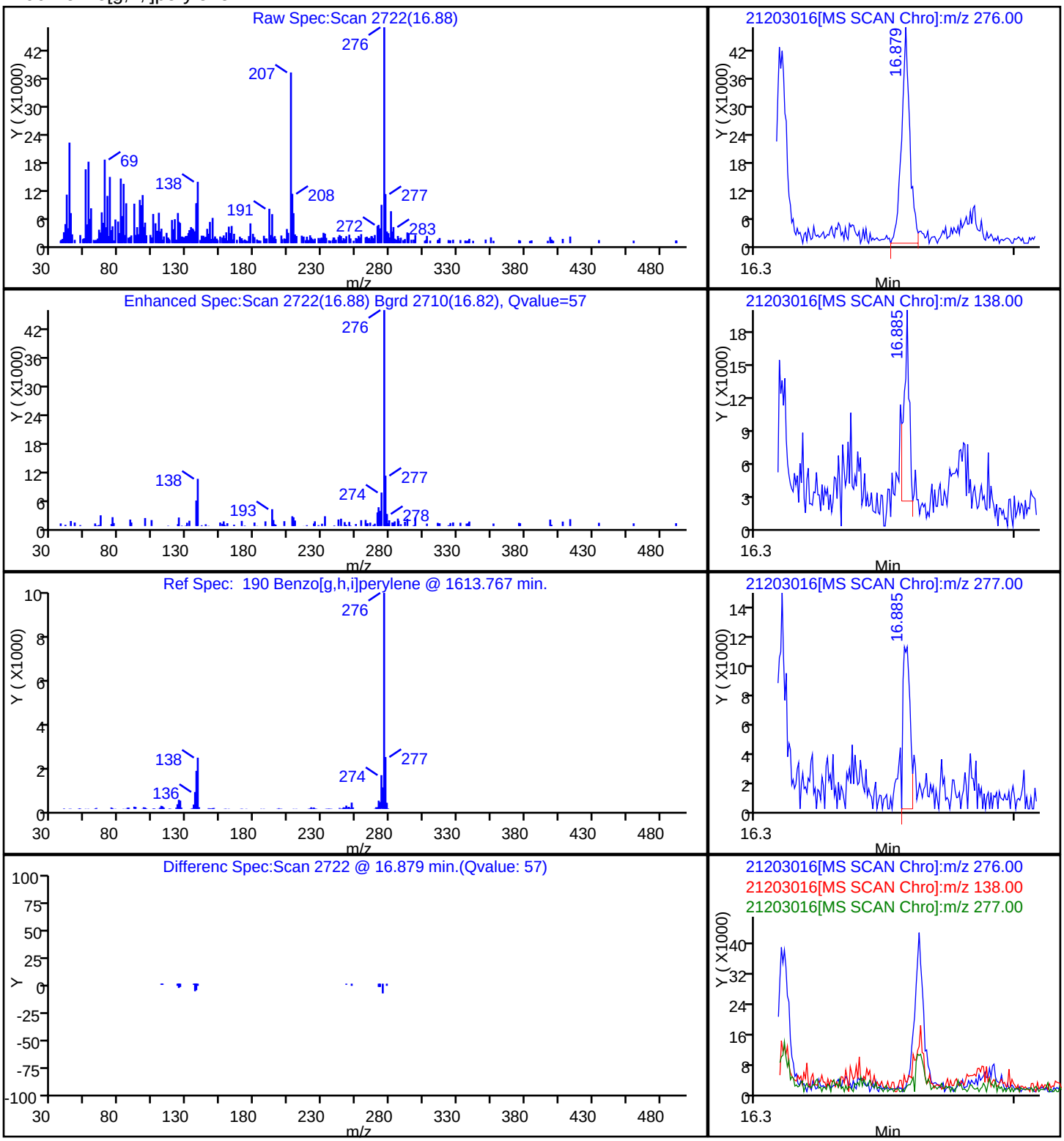


Report Date: 04-Dec-2012 09:30:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D		
Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene



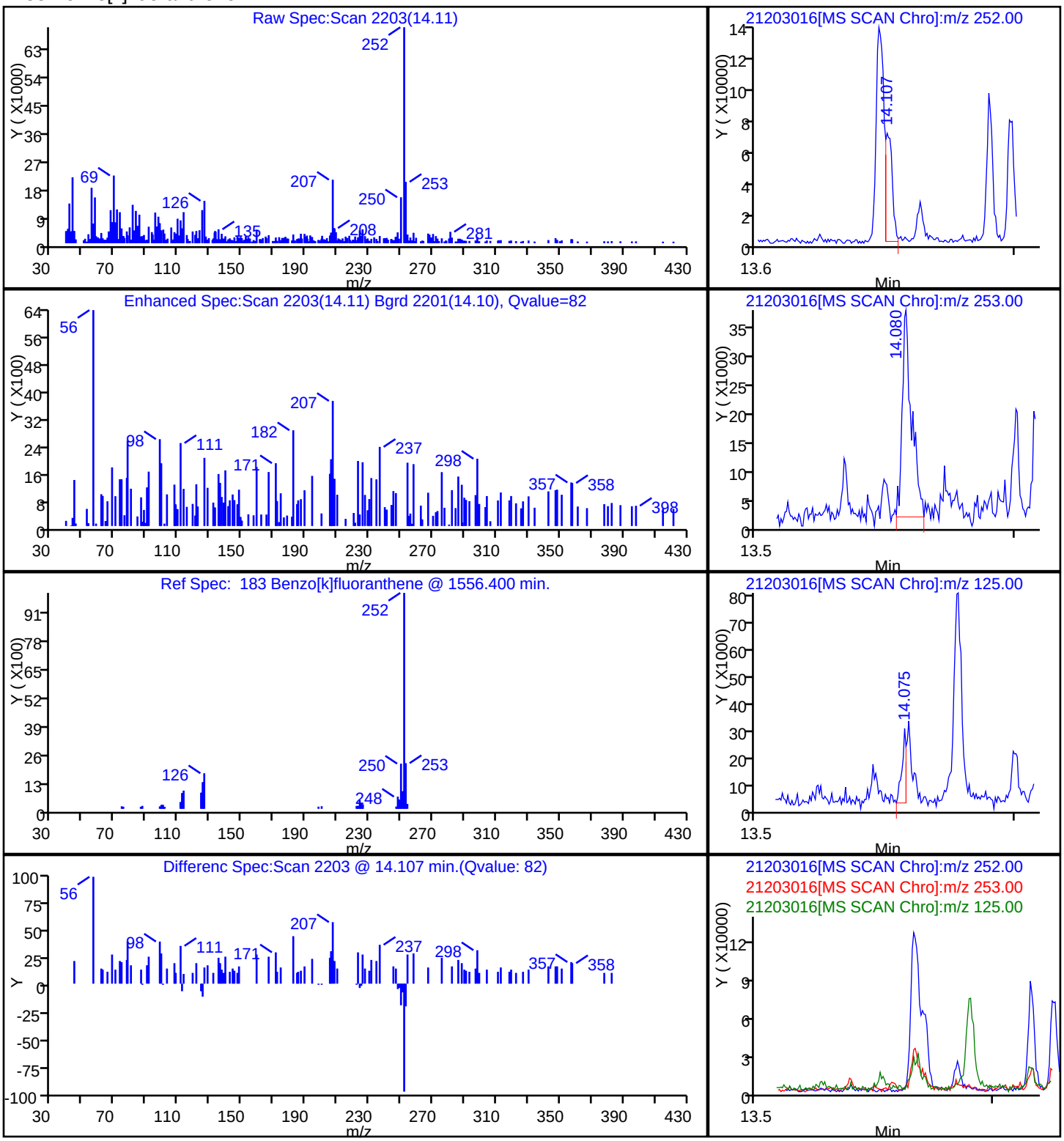
Report Date: 04-Dec-2012 09:30:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene



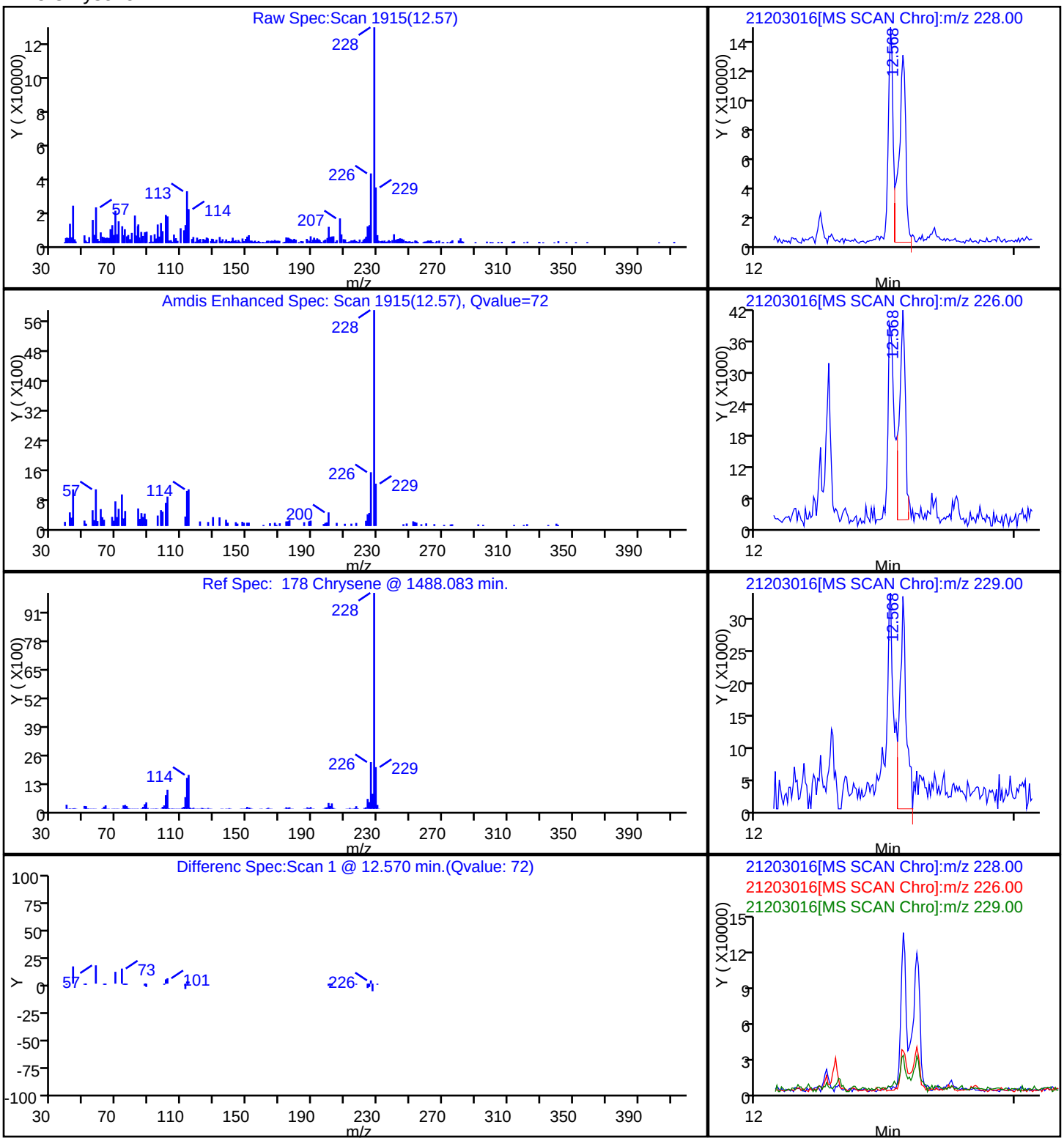
Report Date: 04-Dec-2012 09:30:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene

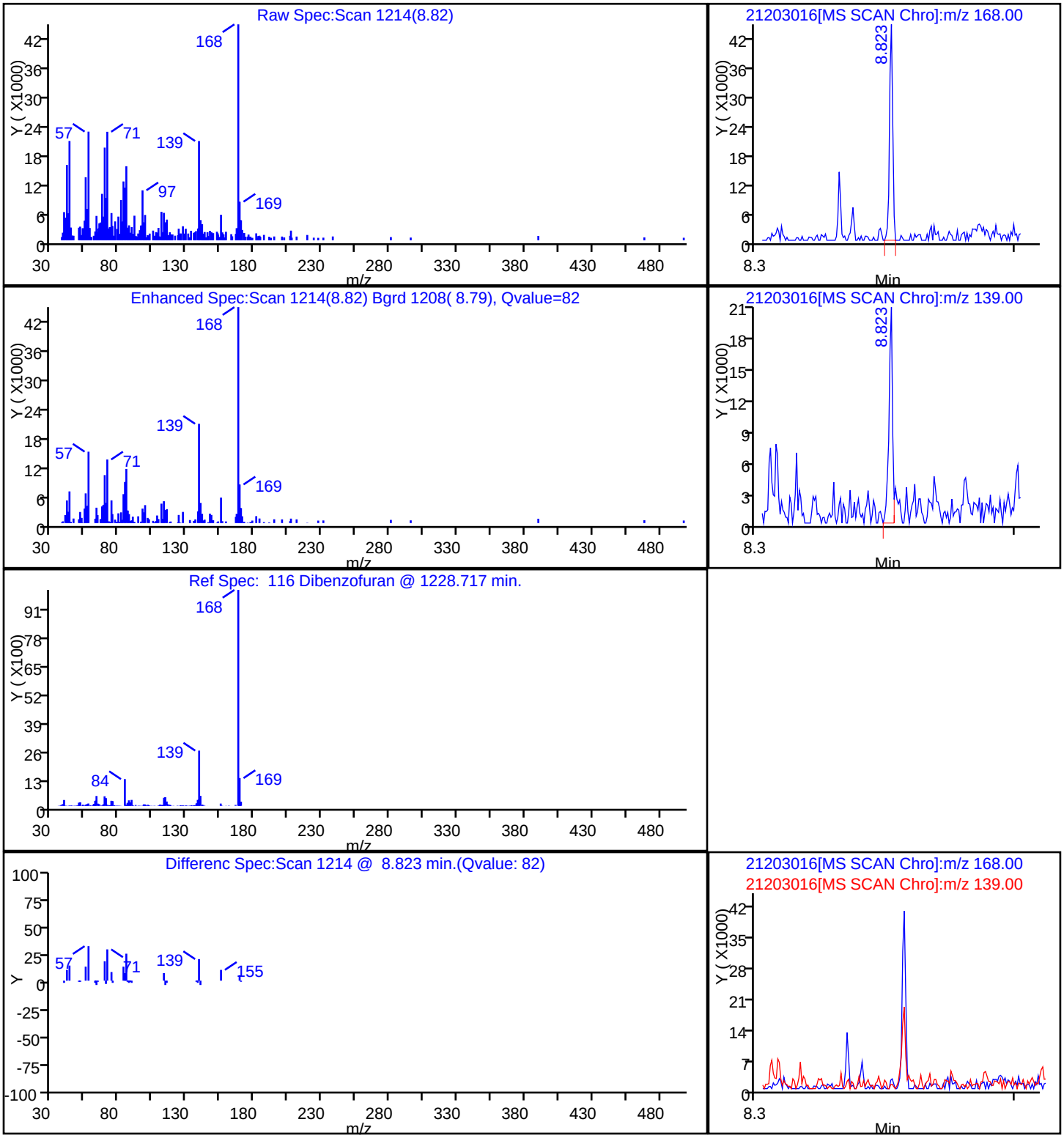


Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D		
Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

116 Dibenzofuran



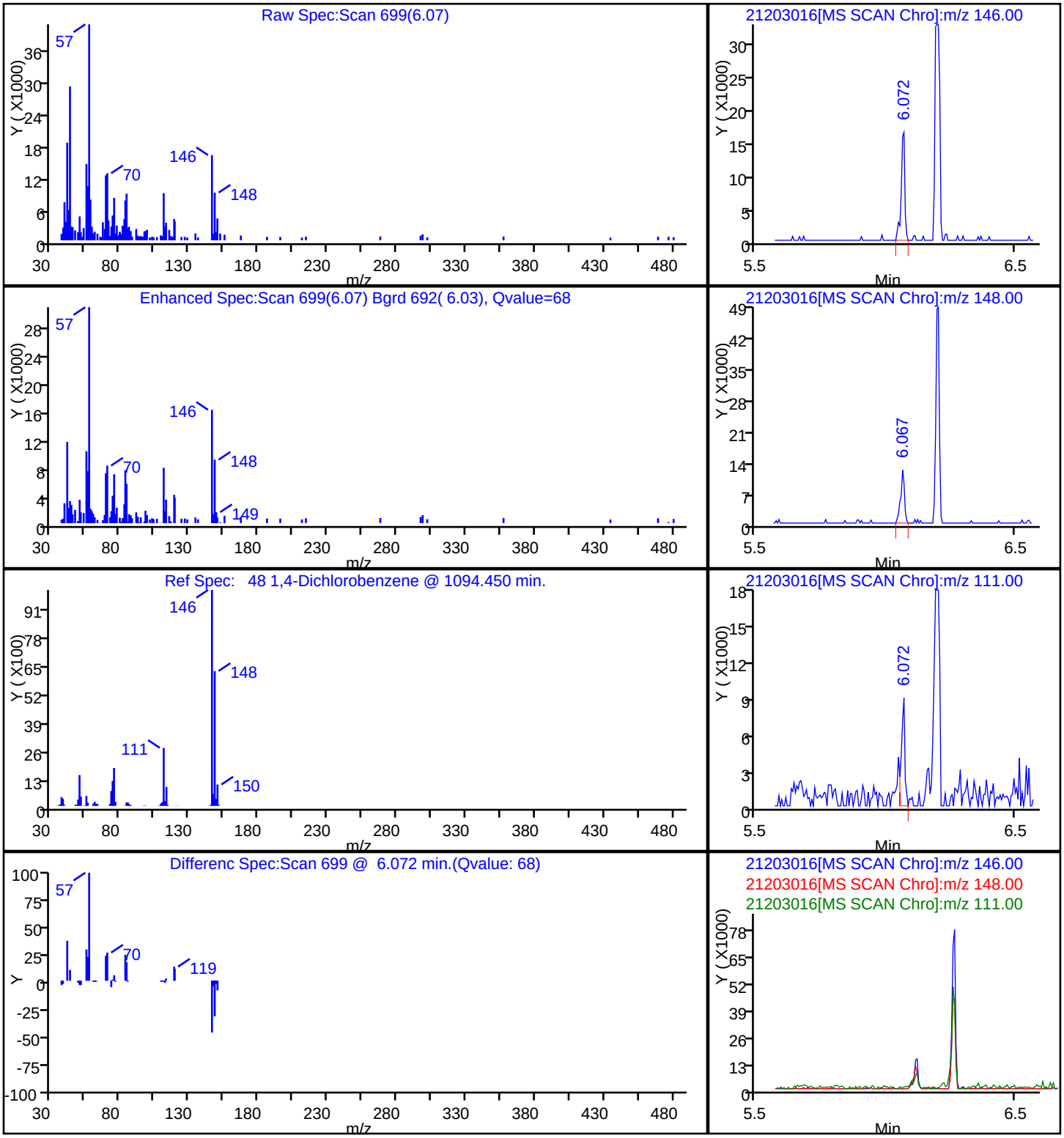
Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

48 1,4-Dichlorobenzene



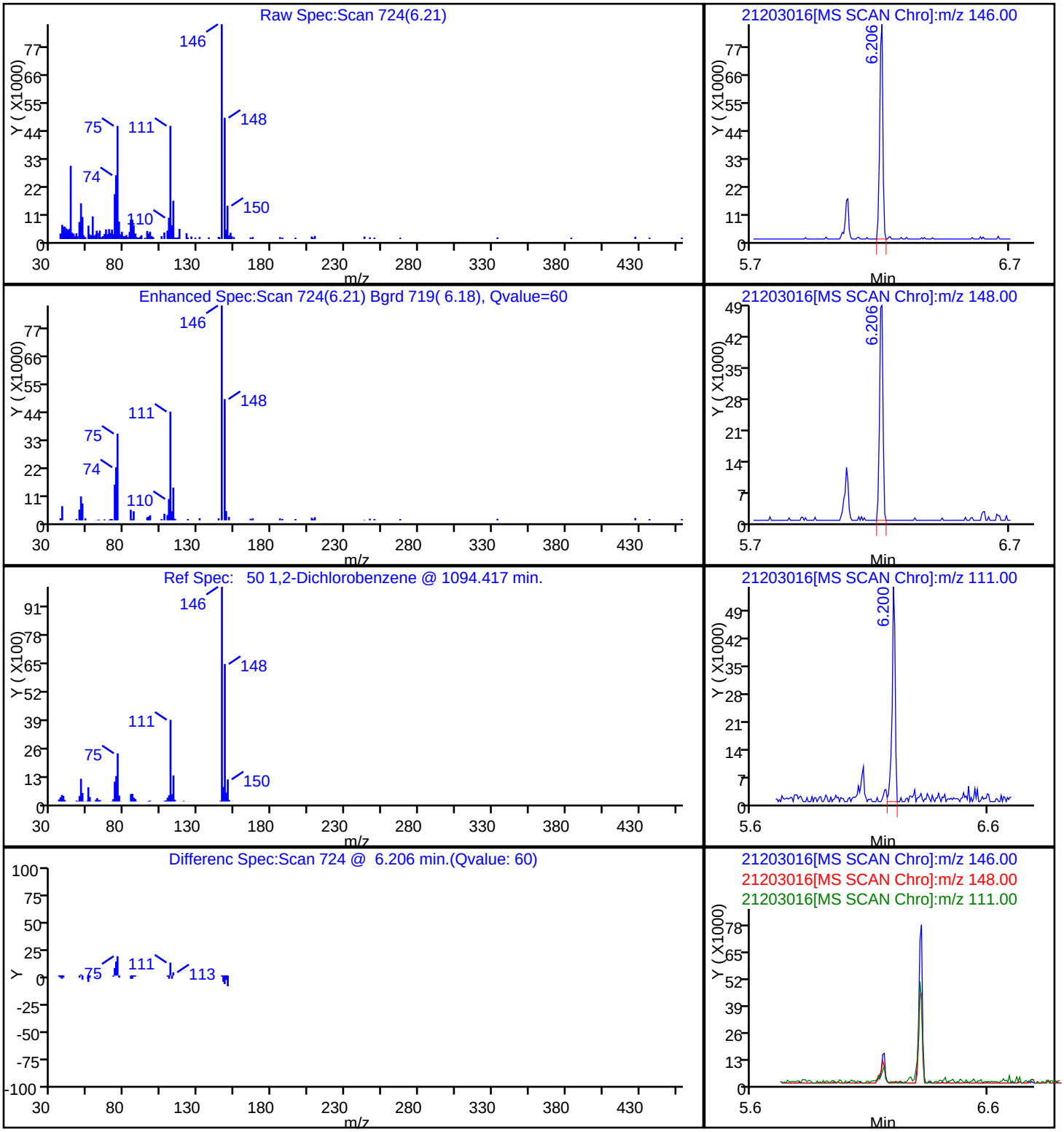
Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

50 1,2-Dichlorobenzene

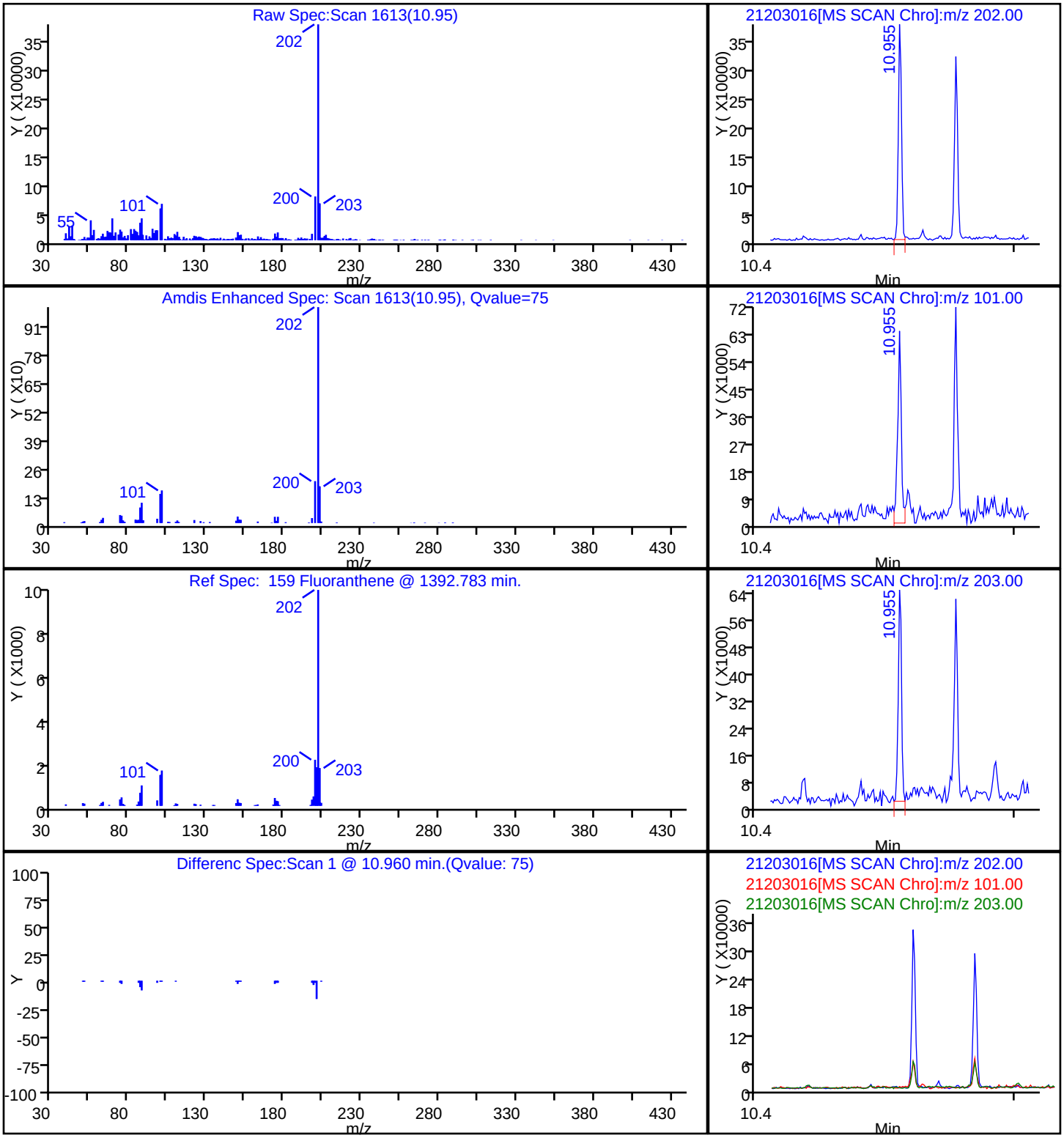


Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D		
Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

159 Fluoranthene



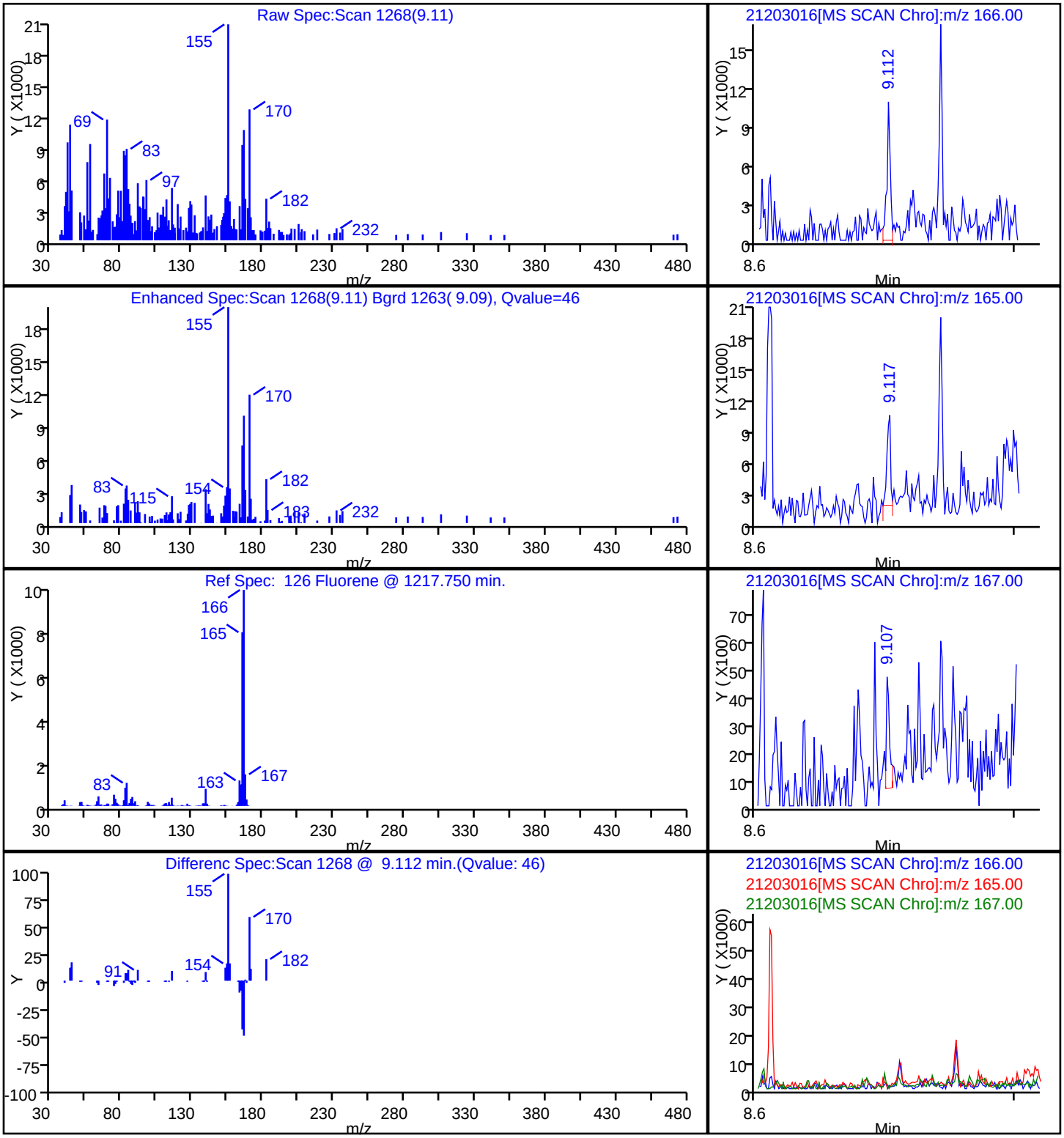
Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

126 Fluorene



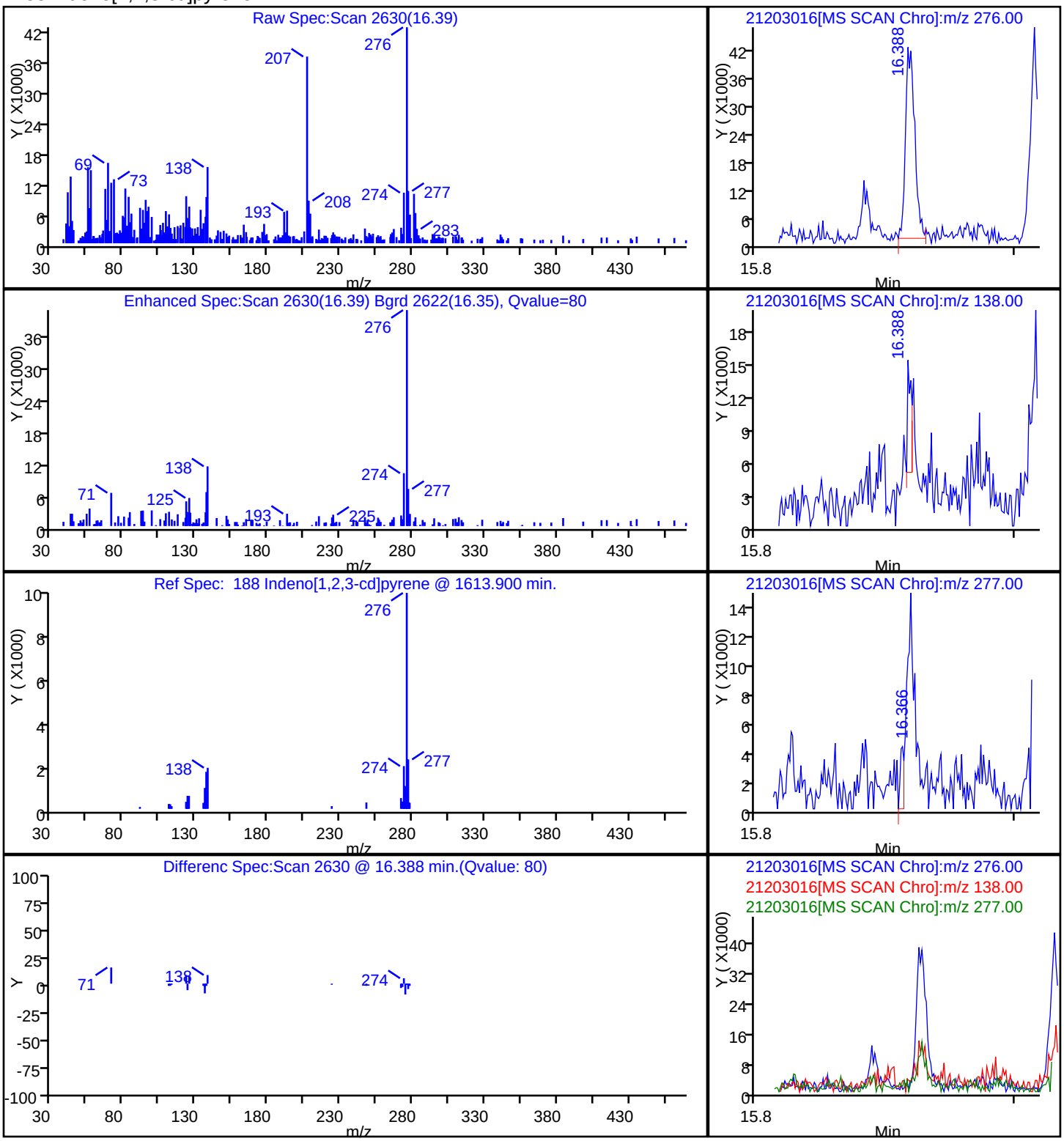
Report Date: 04-Dec-2012 09:30:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene



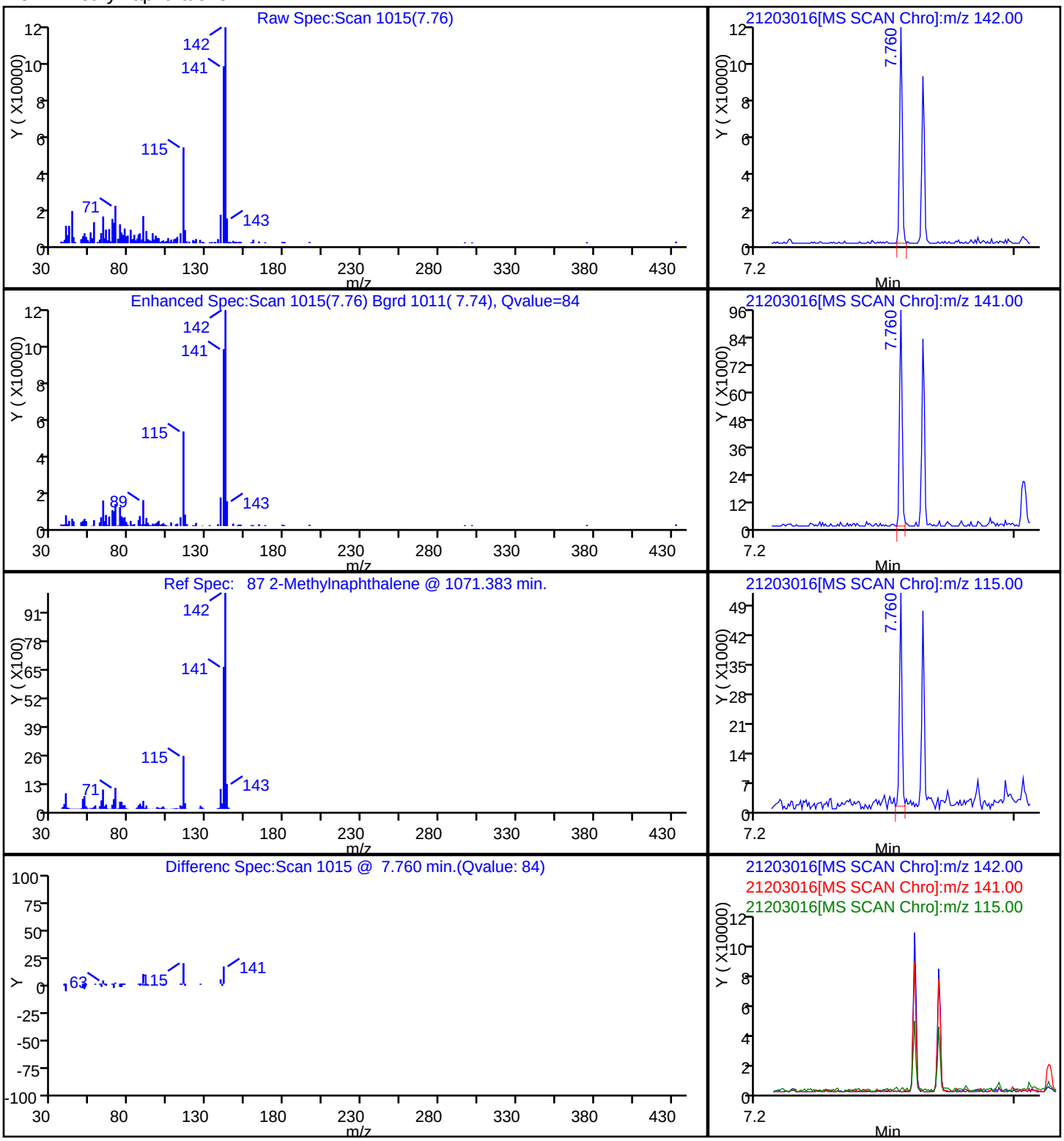
Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

87 2-Methylnaphthalene



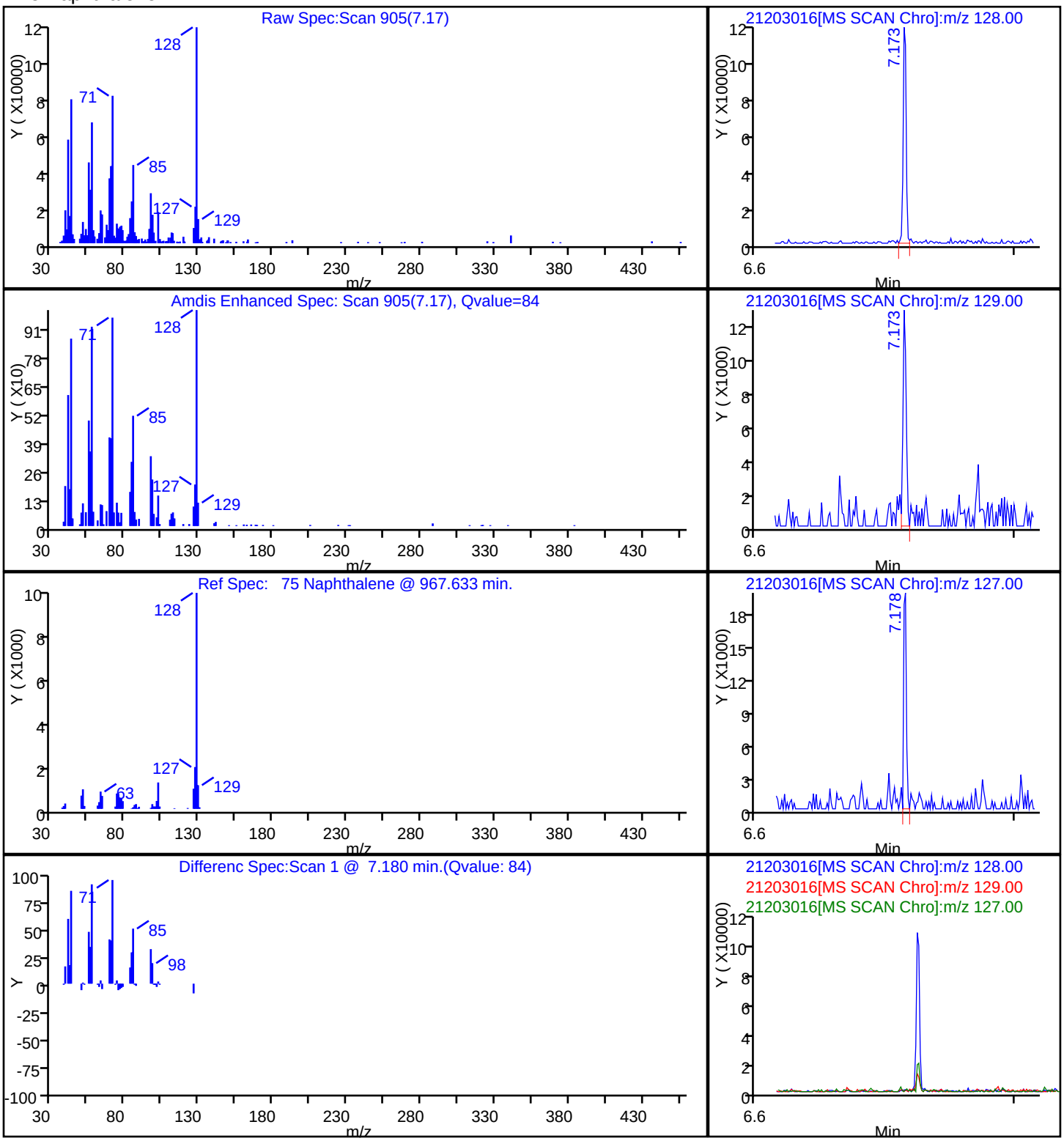
Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

75 Naphthalene



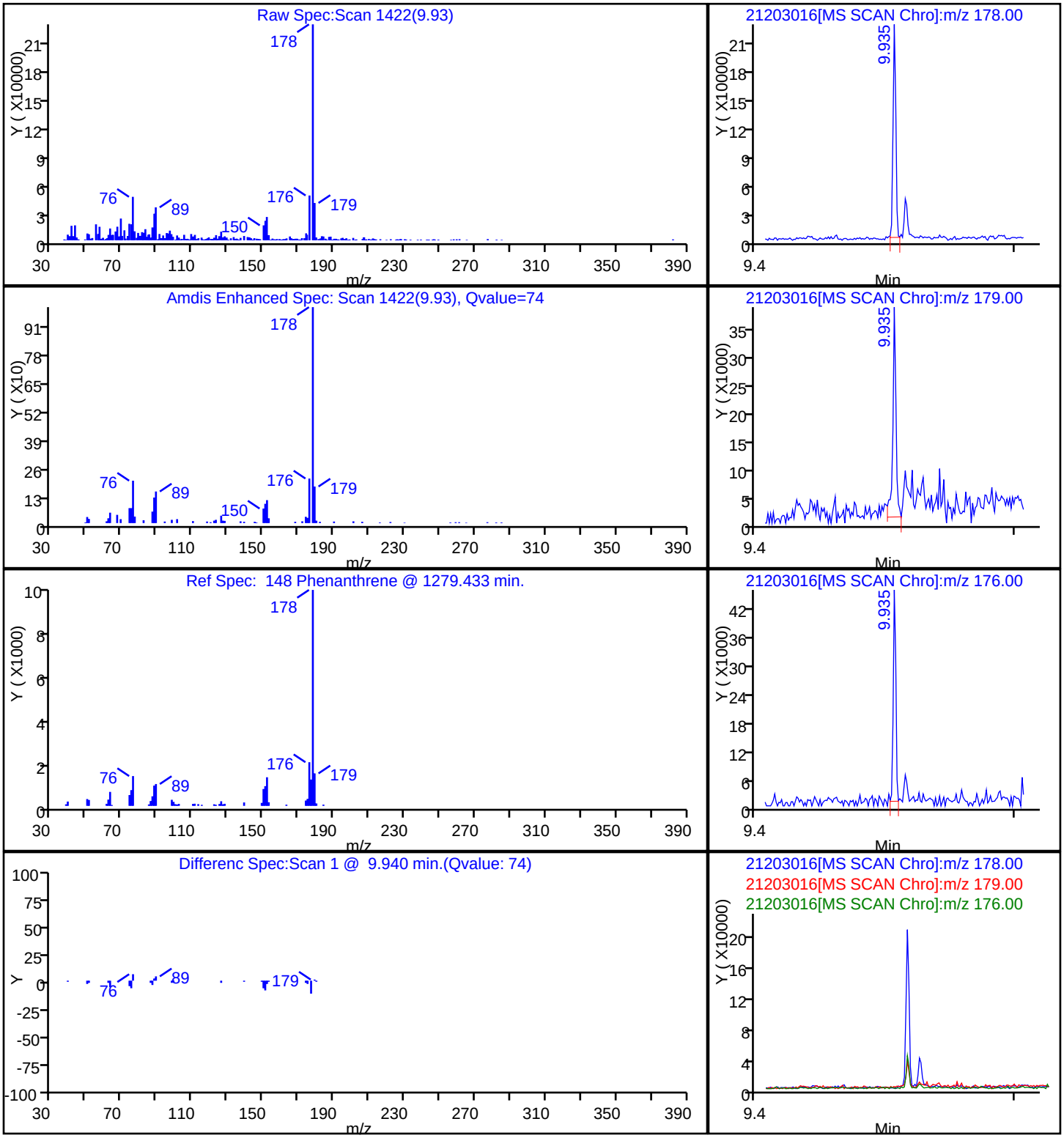
Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



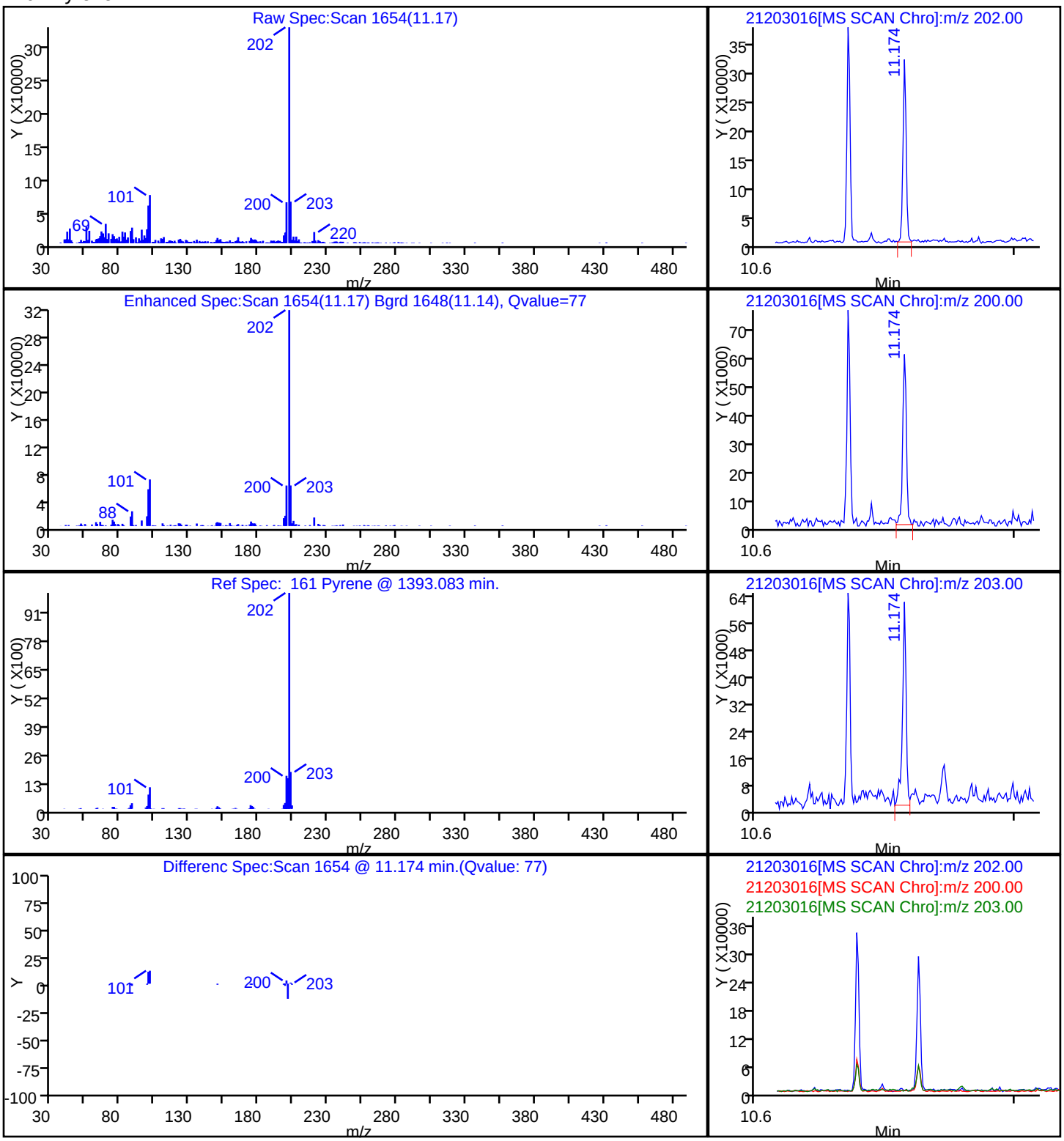
Report Date: 04-Dec-2012 09:30:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D

Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

161 Pyrene



Manual Integration/User Assign Peak Report

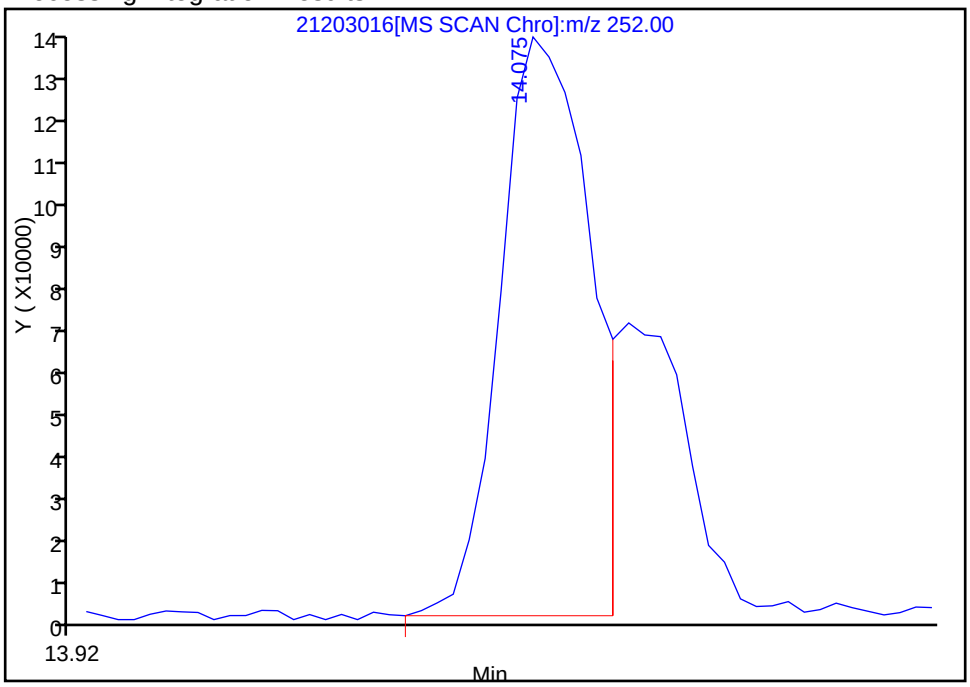
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D		
Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

183 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.12

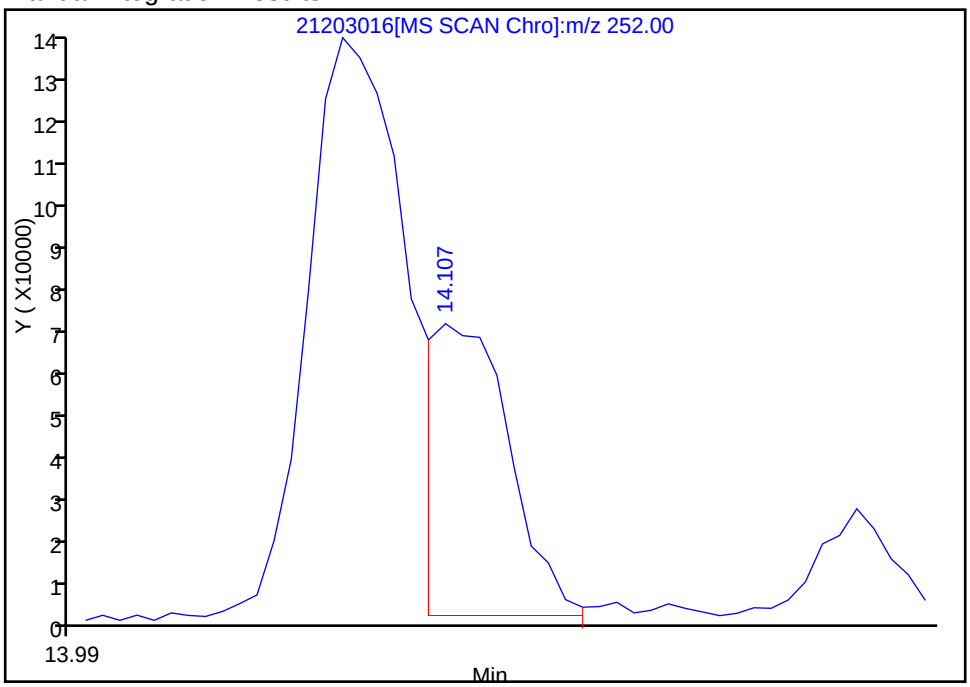
Processing Integration Results

RT: 14.07
Response: 289777
Amount: 1.445806



Manual Integration Results

RT: 14.11
Response: 125490
Amount: 0.626116



Reviewer: ulmanm, 04-Dec-2012 08:43:16
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

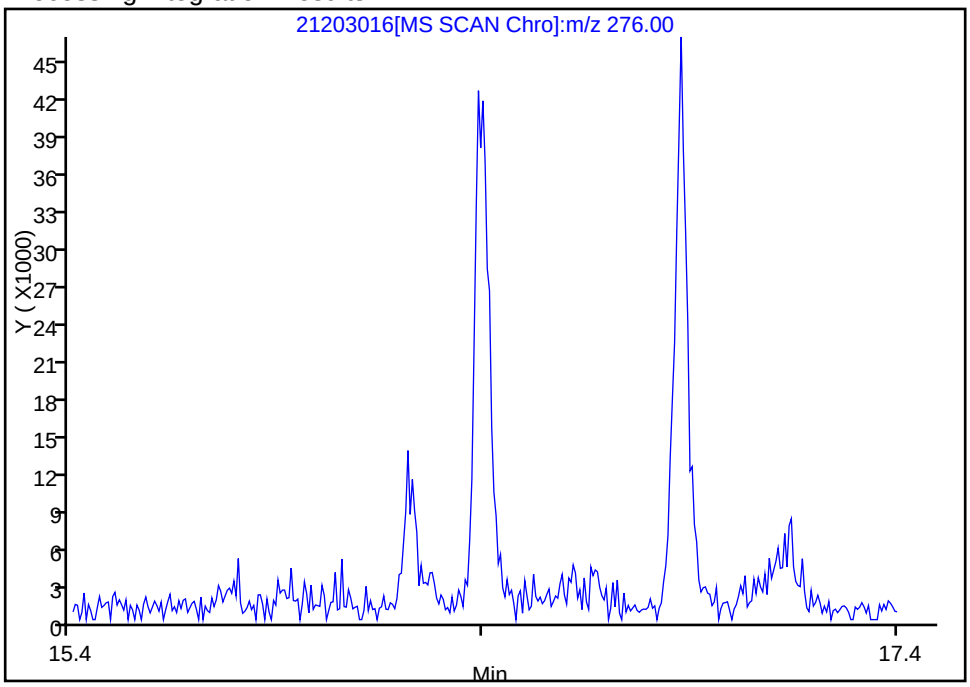
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203016.D		
Injection Date:	03-Dec-2012 17:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.40

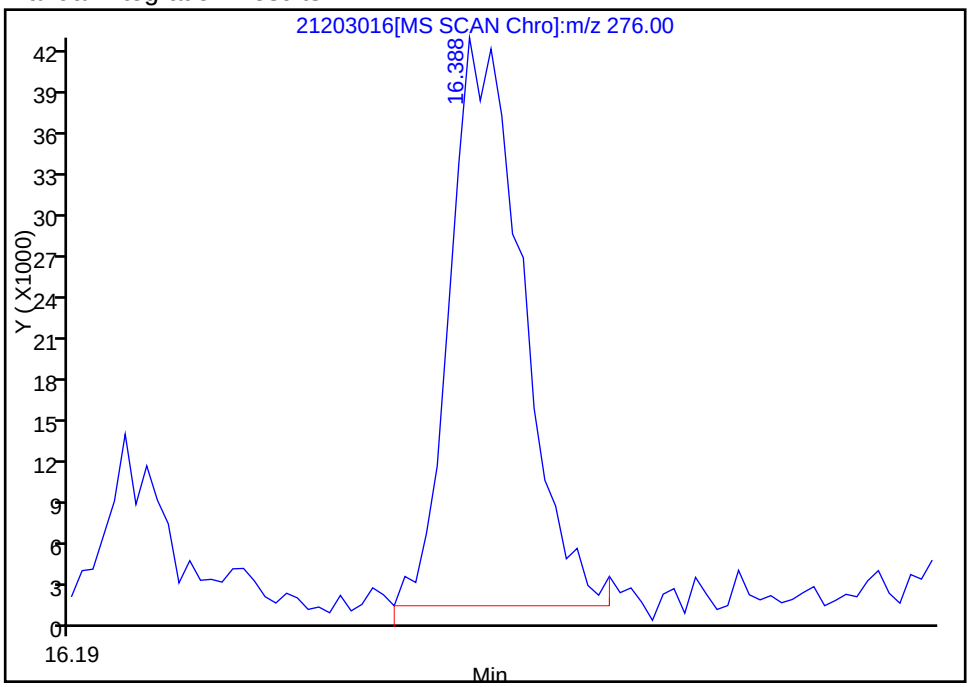
Processing Integration Results

Not Detected
Expected RT: 16.40



Manual Integration Results

RT: 16.39
Response: 102280
Amount: 0.506110



Reviewer: ulmanm, 04-Dec-2012 08:43:16
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO RE | Lab Sample ID: 240-17477-7 RE

Matrix: Solid | Lab File ID: 21207014.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 12/05/2012 10:50

Sample wt/vol: 29.66(g) | Date Analyzed: 12/07/2012 18:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
117-81-7	Bis(2-ethylhexyl) phthalate	25	J H	51	27	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		45-105
367-12-4	2-Fluorophenol (Surr)	80		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	62		35-100
1718-51-0	Terphenyl-d14 (Surr)	74		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	84		35-125
4165-62-2	Phenol-d5 (Surr)	81		40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207014.D
Lims ID: 240-17477-A-7-H Client ID: 079SS-0005M-0001-SO
Inject. Date: 07-Dec-2012 18:18:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015623-014
Misc. Info.: 240-17477-A-7-H =240-17477-A-7-H
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 67729 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 11:37:47 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 08-Dec-2012 11:16:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.959	5.949	0.010	87	123222	4.00	
* 2 Naphthalene-d8	136	7.065	7.066	-0.001	98	529201	4.00	
* 3 Acenaphthene-d10	164	8.561	8.561	0.0	77	338084	4.00	
* 4 Phenanthrene-d10	188	9.816	9.817	-0.001	77	579092	4.00	
* 5 Chrysene-d12	240	12.381	12.381	0.0	79	615345	4.00	
* 6 Perylene-d12	264	14.469	14.470	-0.001	74	498614	4.00	
$ 7 2-Fluorophenol	112	4.800	4.688	0.112	91	583982	12.0	
$ 8 Phenol-d5	99	5.607	5.591	0.016	0	850174	12.1	
$ 9 Nitrobenzene-d5	82	6.440	6.435	0.005	84	504589	6.23	
$ 10 2-Fluorobiphenyl (Surr)	172	7.973	7.974	-0.001	95	728527	6.49	
$ 11 2,4,6-Tribromophenol	330	9.223	9.224	-0.001	88	164330	12.6	
$ 12 Terphenyl-d14	244	11.173	11.174	-0.001	78	938400	7.44	
43 Phenol	94		5.602					9
69 Bis(2-chloroethyl)ether	93		5.698					
46 2-Chlorophenol	128		5.751					9
47 1,3-Dichlorobenzene	146		5.896					9
48 1,4-Dichlorobenzene	146	5.970	5.965	0.005	53	12570	0.2573	
49 Benzyl alcohol	108		6.056					
50 1,2-Dichlorobenzene	146		6.099					9
51 2-Methylphenol	108		6.147					9
53 2,2'-oxybis[1-chloropropane]	45		6.179					
21 3 & 4 Methylphenol	108	6.285	6.280	0.005	66	11719	0.2081	
57 N-Nitrosodi-n-propylamine	70		6.291					
61 Hexachloroethane	117		6.403					9
62 Nitrobenzene	77		6.451					
64 Isophorone	82	6.654	6.654	0.0	66	24831	0.1597	
66 2-Nitrophenol	139		6.729					9
65 2,4-Dimethylphenol	107		6.745					9
71 Benzoic acid	122		6.814					9
70 Bis(2-chloroethoxy)methane	93		6.831					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		6.932					9
74 1,2,4-Trichlorobenzene	180		7.012					9
75 Naphthalene	128	7.086	7.087	-0.001	50	91775	0.6315	
76 4-Chloroaniline	127		7.114					
79 Hexachlorobutadiene	225		7.183					9
86 4-Chloro-3-methylphenol	107		7.509					
87 2-Methylnaphthalene	142	7.674	7.675	-0.001	80	75756	0.8315	
89 Hexachlorocyclopentadiene	237		7.803					
92 2,4,6-Trichlorophenol	196		7.899					9
93 2,4,5-Trichlorophenol	196		7.931					9
100 2-Chloronaphthalene	162		8.091					9
102 2-Nitroaniline	65		8.161					
105 Dimethyl phthalate	163		8.300					
107 2,6-Dinitrotoluene	165		8.358					
109 Acenaphthylene	152	8.443	8.444	-0.001	90	32339	0.2175	
110 3-Nitroaniline	138		8.503					9
112 Acenaphthene	153	8.588	8.588	0.0	32	6426	0.0681	
111 2,4-Dinitrophenol	184		8.593					
113 4-Nitrophenol	109		8.620					
114 2,4-Dinitrotoluene	165		8.700					
116 Dibenzofuran	168	8.732	8.732	0.0	78	37789	0.2777	
121 Diethyl phthalate	149		8.887					
123 4-Chlorophenyl phenyl ether	204		9.005					9
125 4-Nitroaniline	138		9.021					
126 Fluorene	166	9.020	9.021	-0.001	71	14858	0.1290	
128 4,6-Dinitro-2-methylphenol	198		9.042					9
131 N-Nitrosodiphenylamine	169		9.101					
139 4-Bromophenyl phenyl ether	248		9.421					9
141 Hexachlorobenzene	284		9.486					9
143 Pentachlorophenol	266		9.646					9
148 Phenanthrene	178	9.838	9.838	0.0	75	142367	0.8229	
149 Anthracene	178	9.880	9.881	-0.001	61	32837	0.1895	
151 Carbazole	167		10.004					
154 Di-n-butyl phthalate	149	10.260	10.260	0.0	58	34064	0.1786	
159 Fluoranthene	202	10.847	10.848	-0.001	71	238648	1.21	
161 Pyrene	202	11.061	11.061	0.0	93	228851	1.07	
168 Butyl benzyl phthalate	149		11.654					
175 3,3'-Dichlorobenzidine	252		12.312					
173 Bis(2-ethylhexyl) phthalate	149	12.332	12.333	-0.001	71	47703	0.3772	
177 Benzo[a]anthracene	228	12.365	12.370	-0.006	75	147385	0.7691	
178 Chrysene	228	12.413	12.418	-0.005	64	172714	0.9830	
180 Di-n-octyl phthalate	149		13.246					
182 Benzo[b]fluoranthene	252	13.882	13.887	-0.005	81	250612	1.45	
183 Benzo[k]fluoranthene	252	13.919	13.930	-0.011	31	107180	0.6030	
184 Benzo[a]pyrene	252	14.384	14.390	-0.006	71	122949	0.7536	
188 Indeno[1,2,3-cd]pyrene	276	16.136	16.142	-0.006	82	92796	0.5177	
189 Dibenz(a,h)anthracene	278	16.168	16.169	-0.001	1	26195	0.1781	M
190 Benzo[g,h,i]perylene	276	16.595	16.601	-0.006	69	82653	0.5491	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

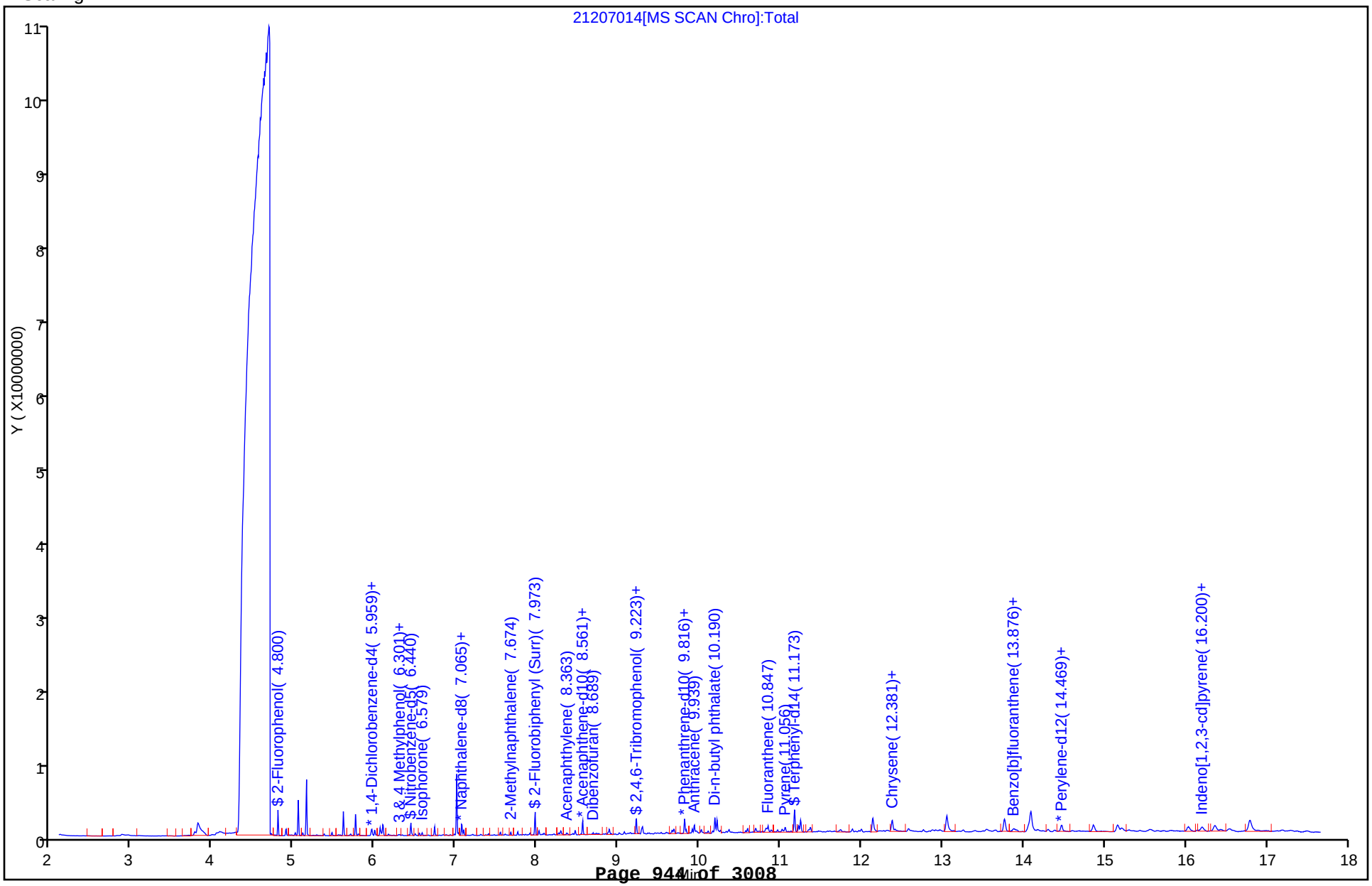
Review Flags
M - Manually Integrated

Report Date: 08-Dec-2012 11:37:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207014.D		
Injection Date:	07-Dec-2012 18:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



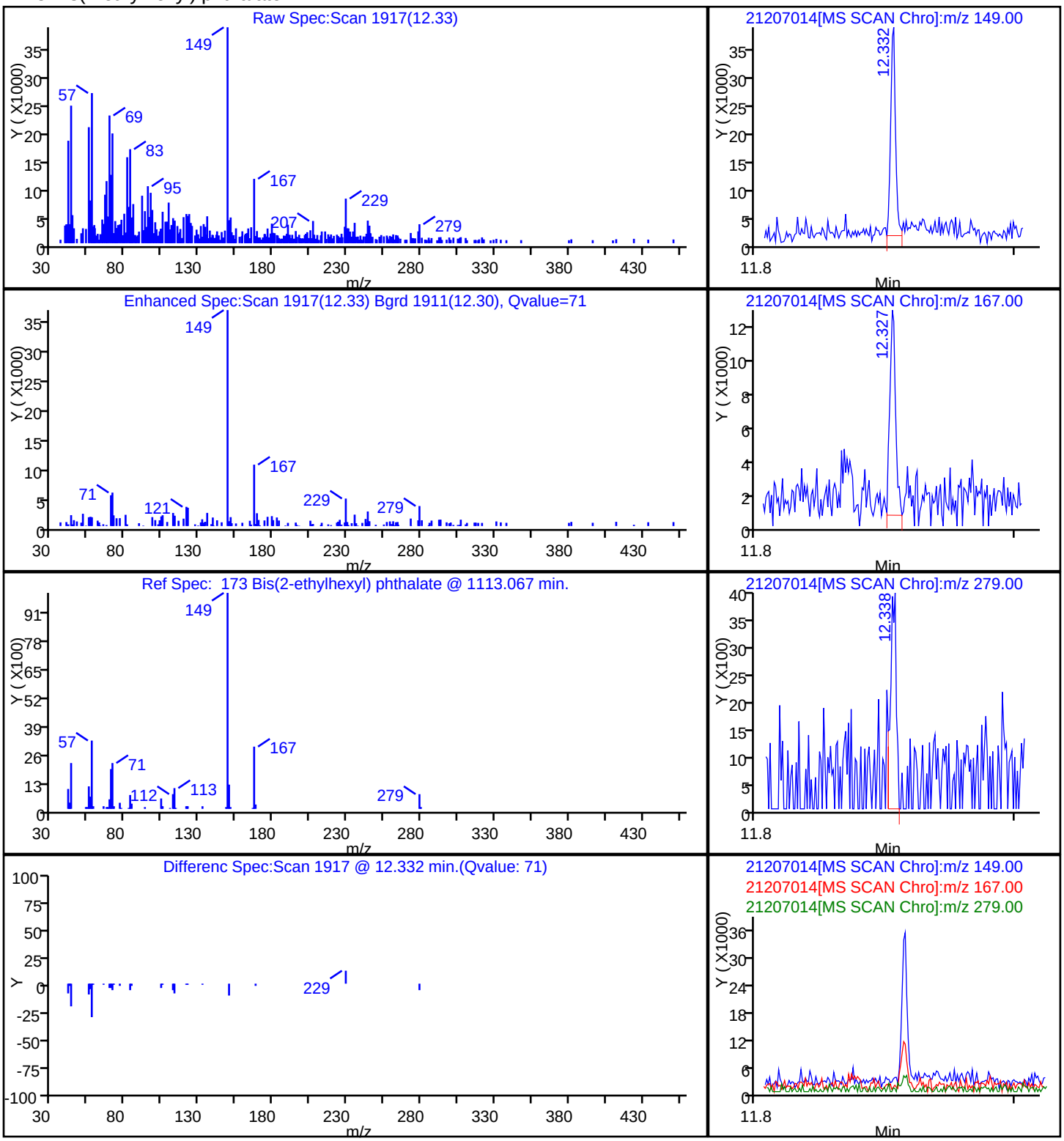
Report Date: 08-Dec-2012 11:37:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207014.D

Injection Date:	07-Dec-2012 18:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64921

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2012 11:39 Calibration End Date: 11/14/2012 14:12 Calibration ID: 12309

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-64921/6	21114006.D
Level 2	STD2 240-64921/5	21114005.D
Level 3	STD3 240-64921/4	21114004.D
Level 4	STD4 240-64921/3	21114003.D
Level 5	STD5 240-64921/2	21114002.D
Level 6	STD6 240-64921/10	21114010.D
Level 7	STD7 240-64921/9	21114009.D
Level 8	STD8 240-64921/8	21114008.D
Level 9	STD9 240-64921/7	21114007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.8491	0.9279 0.8407	0.8063 0.8998	0.8278 0.8211	0.8713	Ave		0.8555			0.0500	4.9		15.0			
N-Nitrosodimethylamine	1.3686	1.4487 1.3912	1.3694 1.4579	1.3665 1.3833	1.4053	Ave		1.3989			0.0500	2.6		15.0			
Pyridine	2.1711	2.0936 2.1255	2.0446 2.2551	2.0531 2.1461	2.1446	Ave		2.1292			0.0500	3.2		15.0			
Ethyl methacrylate	1.8482	2.0069 1.8403	1.8409 1.9509	1.8642 1.8206	1.8864	Ave		1.8823			0.0500	3.4		15.0			
3-Chloropropionitrile	0.8810	0.9260 0.8938	0.8706 0.9409	0.8965 0.8998	0.9203	Ave		0.9036			0.0500	2.6		15.0			
Malononitrile	2.3047	2.2917 2.3026	2.3046 2.3095	2.3766 2.1723	2.3234	Ave		2.2982			0.0500	2.5		15.0			
Benzaldehyde	1.8263 1.5229	1.9062 1.1989	1.8601 +++++	1.8272 +++++	1.6972	Ave		1.6912			0.0500	15.0		15.0			
2,4-Toluene diamine	0.2448	0.3068 +++++	0.3219 +++++	0.3108 +++++	0.2957	Ave		0.2960			0.0500	10.0		15.0			
Phenol	2.3100	2.2542 2.3069	2.1500 2.4800	2.2915 2.4050	2.3480	Ave		2.3182			0.0500	4.2		15.0			
Aniline	2.8789	2.9077 2.9429	2.7535 3.1166	2.7861 3.1000	2.8900	Ave		2.9220			0.0500	4.5		15.0			
Bis(2-chloroethyl)ether	1.8944	1.9009 1.7977	1.7988 1.9127	1.8463 1.8832	1.8912	Ave		1.8656			0.0500	2.5		15.0			
2-Chlorophenol	1.3586	1.3142 1.3533	1.3019 1.4269	1.3140 1.4090	1.3744	Ave		1.3565			0.0500	3.4		15.0			
1,3-Dichlorobenzene	1.5611	1.5320 1.5466	1.5368 1.6222	1.5323 1.5937	1.5686	Ave		1.5617			0.0500	2.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64921

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2012 11:39 Calibration End Date: 11/14/2012 14:12 Calibration ID: 12309

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	1.5402	1.4997 1.5084	1.4829 1.6297	1.4905 1.5582	1.5440	Ave		1.5317			0.0500	3.1		15.0			
Benzyl alcohol	1.0875	1.0851 1.0892	1.0178 1.1574	1.0566 1.1329	1.0701	Ave		1.0871			0.0500	4.0		15.0			
1,2-Dichlorobenzene	1.4565	1.4608 1.4635	1.4488 1.5536	1.4892 1.4939	1.4932	Ave		1.4824			0.0500	2.3		15.0			
2-Methylphenol	1.5310	1.4003 1.4833	1.4498 1.6166	1.4674 1.5647	1.5399	Ave		1.5066			0.0500	4.6		15.0			
Benzoic acid	0.2287	+++++ 0.2538	0.1550 0.2677	0.1860 0.2749	0.2226	Qua	-0.167	0.2236	0.0011		0.0500				1.0000		0.9950
bis (2-chloroisopropyl) ether	1.6694	1.5775 1.6234	1.5683 1.7167	1.6176 1.6895	1.5997	Ave		1.6328			0.0500	3.3		15.0			
3 & 4 Methylphenol	1.6010	1.5165 1.6032	1.5596 1.6976	1.5651 1.6897	1.6051	Ave		1.6047			0.0500	3.9		15.0			
N-Nitrosodi-n-propylamine	1.6294	1.5970 1.5867	1.6312 1.6755	1.6231 1.6408	1.6239	Ave		1.6259			0.0500	1.7		15.0			
Acetophenone	2.4144	2.2797 2.3611	2.3134 2.5635	2.3228 2.4916	2.3953	Ave		2.3927			0.0500	4.0		15.0			
Hexachloroethane	0.6360	0.6083 0.6297	0.6381 0.6588	0.6275 0.6309	0.6439	Ave		0.6342			0.0500	2.3		15.0			
Nitrobenzene	0.6024	0.6160 0.5846	0.6114 0.6109	0.5891 0.6064	0.5809	Ave		0.6002			0.0500	2.2		15.0			
Isophorone	1.0559	1.0717 1.0549	1.0249 1.1074	1.0206 1.0903	1.0264	Ave		1.0565			0.0500	3.0		15.0			
2-Nitrophenol	0.1977	0.1872 0.2018	0.1952 0.2118	0.1956 0.2098	0.1943	Ave		0.1992			0.0500	4.1		15.0			
2,4-Dimethylphenol	0.4945	0.4904 0.4779	0.4910 0.5071	0.4711 0.4862	0.4772	Ave		0.4869			0.0500	2.4		15.0			
1,3,5-Trichlorobenzene	0.3639	0.3626 0.3694	0.3554 0.3858	0.3475 0.3822	0.3587	Ave		0.3657			0.0500	3.6		15.0			
Bis(2-chloroethoxy)methane	0.5567	0.5691 0.5438	0.5503 0.5792	0.5556 0.5693	0.5392	Ave		0.5579			0.0500	2.5		15.0			
2,4-Dichlorophenol	0.3054	0.2919 0.3062	0.2900 0.3226	0.2894 0.3201	0.2980	Ave		0.3029			0.0500	4.3		15.0			
1,2,4-Trichlorobenzene	0.3602	0.3755 0.3540	0.3665 0.3798	0.3546 0.3694	0.3531	Ave		0.3641			0.0500	2.8		15.0			
Naphthalene	1.0327 1.0371	1.0073 1.0387	1.0276 1.0960	0.9942 1.0883	1.0178	Ave		1.0377			0.0500	3.3		15.0			
4-Chloroaniline	0.4358	0.4440 0.4333	0.4684 0.4490	0.4255 0.4755	0.4434	Ave		0.4469			0.0500	3.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64921

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2012 11:39 Calibration End Date: 11/14/2012 14:12 Calibration ID: 12309

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.2170	0.2221 0.2108	0.2122 0.2252	0.2125 0.2184	0.2145	Ave		0.2166			0.0500	2.3		15.0			
Caprolactam	0.1421	0.1369 0.1438	0.1294 0.1517	0.1318 0.1442	0.1398	Ave		0.1400			0.0500	5.1		15.0			
4-Chloro-3-methylphenol	0.4304	0.3948 0.4301	0.3974 0.4559	0.4128 0.4444	0.4170	Ave		0.4229			0.0500	5.1		15.0			
2-Methylnaphthalene	0.6065 0.6905	0.7045 0.6922	0.6630 0.7312	0.6570 0.7306	0.6766	Ave		0.6836			0.0500	5.7		15.0			
2,4-Dinitrophenol	0.2375	+++++ 0.2566	0.1696 0.2683	0.2065 0.2698	0.2284	Qua	-0.175	0.2402	0.0007		0.0500				1.0000		0.9950
1-Methylnaphthalene	0.5874 0.6566	0.6257 0.6558	0.6378 0.6944	0.6408 0.6954	0.6406	Ave		0.6483			0.0500	5.1		15.0			
1,2,3,5-Tetrachlorobenzene	0.5907	0.6332 0.5713	0.5860 0.6230	0.5832 0.6246	0.5814	Ave		0.5992			0.0500	4.0		15.0			
Hexachlorocyclopentadiene	0.3910	0.3824 0.3796	0.4042 0.4245	0.3911 0.4177	0.4040	Ave		0.3993			0.0500	4.0		15.0			
2,3,5,6-Tetrachlorophenol	0.3447	+++++ 0.3480	0.2872 0.3752	0.3104 0.3630	0.3201	Ave		0.3355			0.0500	9.2		15.0			
2,4,6-Trichlorophenol	0.3948	0.3588 0.3842	0.3472 0.4208	0.3979 0.4115	0.3842	Ave		0.3874			0.0500	6.4		15.0			
2,4,5-Trichlorophenol	0.4111	0.3932 0.4057	0.4076 0.4363	0.4274 0.4287	0.4069	Ave		0.4146			0.0500	3.5		15.0			
1,1'-Biphenyl	1.3774 1.3387	1.3231 1.3277	1.3092 1.4324	1.3377 1.4123	1.2713	Ave		1.3477			0.0500	3.8		15.0			
2-Chloronaphthalene	1.1265 1.0701	1.0494 1.0473	1.0662 1.1352	1.0556 1.1266	1.0601	Ave		1.0819			0.0500	3.4		15.0			
2-Nitroaniline	0.4639	0.4277 0.4566	0.4649 0.4912	0.4654 0.4775	0.4465	Ave		0.4617			0.0500	4.1		15.0			
Dimethyl phthalate	1.2878	1.2810 1.2613	1.2238 1.3392	1.2576 1.3165	1.2047	Ave		1.2715			0.0500	3.5		15.0			
2,6-Dinitrotoluene	0.2993	0.2774 0.2938	0.2651 0.3151	0.2837 0.3127	0.2906	Ave		0.2922			0.0500	5.8		15.0			
1,2-Dinitrobenzene	0.1521	0.1254 0.1506	0.1392 0.1592	0.1503 0.1576	0.1436	Ave		0.1473			0.0500	7.5		15.0			
Acenaphthylene	1.6484 1.7361	1.7211 1.7116	1.6478 1.8295	1.6568 1.8273	1.6577	Ave		1.7152			0.0500	4.2		15.0			
3-Nitroaniline	0.2987	0.2734 0.2988	0.3045 0.3230	0.3005 0.3114	0.2989	Ave		0.3011			0.0500	4.7		15.0			
Atrazine	0.1954	0.1959 0.1754	0.1917 0.1891	0.1972 +++++	0.1943	Ave		0.1913			0.0500	3.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64921

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2012 11:39 Calibration End Date: 11/14/2012 14:12 Calibration ID: 12309

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Acenaphthene	0.9902 1.0696	1.0606 1.0561	1.0180 1.1434	1.0352 1.1313	1.0291	Ave		1.0593			0.0500	4.8		15.0			
4-Nitrophenol	0.2322	0.1973 0.2243	0.1904 0.2433	0.2067 0.2408	0.2171	Ave		0.2190			0.0500	9.0		15.0			
2,4-Dinitrotoluene	0.4050	0.3717 0.4002	0.3612 0.4243	0.3956 0.4177	0.3866	Ave		0.3953			0.0500	5.5		15.0			
Dibenzofuran	1.5837 1.5265	1.5226 1.5138	1.5313 1.6343	1.5346 1.6208	1.4838	Ave		1.5502			0.0500	3.3		15.0			
Diethyl phthalate	1.2506	1.2697 1.2399	1.1990 1.3277	1.2348 1.2969	1.2060	Ave		1.2531			0.0500	3.5		15.0			
4-Chlorophenyl phenyl ether	0.6808	0.6895 0.6790	0.6487 0.7323	0.6705 0.7293	0.6519	Ave		0.6853			0.0500	4.6		15.0			
4-Nitroaniline	0.3338	0.2817 0.3281	0.3027 0.3577	0.3186 0.3475	0.3159	Ave		0.3232			0.0500	7.5		15.0			
Fluorene	1.4135 1.2951	1.2673 1.2865	1.2488 1.3943	1.2696 1.3818	1.2403	Ave		1.3108			0.0500	5.1		15.0			
4,6-Dinitro-2-methylphenol	0.1587	0.1160 0.1619	0.1304 0.1783	0.1374 0.1746	0.1532	Ave		0.1513			0.0500	14.0		15.0			
N-Nitrosodiphenylamine	0.5509	0.5710 0.5432	0.5301 0.5872	0.5271 0.5862	0.5304	Ave		0.5533			0.0500	4.5		15.0			
1,2-Diphenylhydrazine(as Azobenzene)	1.0353	0.9969 0.9947	1.0006 1.0629	0.9972 1.0663	0.9979	Ave		1.0192			0.0500	3.0		15.0			
Azobenzene	1.0352	0.9969 0.9947	1.0006 1.0628	0.9975 1.0663	0.9998	Ave		1.0192			0.0500	3.0		15.0			
4-Bromophenyl phenyl ether	0.2041	0.1937 0.2001	0.1949 0.2132	0.1998 0.2150	0.1991	Ave		0.2025			0.0500	3.9		15.0			
Hexachlorobenzene	0.2204 0.1914	0.1841 0.1898	0.1885 0.1976	0.1853 0.1947	0.1904	Ave		0.1936			0.0500	5.6		15.0			
Pentachlorophenol	0.1508	0.1018 0.1540	0.1182 0.1575	0.1270 0.1632	0.1408	Ave		0.1392			0.0500	15.0		15.0			
Phenanthrene	1.1492 1.0666	1.0537 1.0564	1.0050 1.1312	1.0027 1.1306	1.0280	Ave		1.0693			0.0500	5.2		15.0			
Anthracene	1.1356 1.1059	1.0882 1.1065	1.0444 1.1947	1.0440 1.1504	1.0656	Ave		1.1039			0.0500	4.6		15.0			
Carbazole	0.9831	0.9282 0.9758	0.9403 1.0334	0.9323 1.0276	0.9453	Ave		0.9707			0.0500	4.3		15.0			
Di-n-butyl phthalate	1.2378	1.2384 1.2218	1.1539 1.2828	1.1879 1.1594	1.1975	Ave		1.2099			0.0500	3.6		15.0			
Fluoranthene	1.3341 1.2648	1.1777 1.2881	1.1484 1.3630	1.1910 1.2913	1.2154	Ave		1.2526			0.0500	5.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64921

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2012 11:39 Calibration End Date: 11/14/2012 14:12 Calibration ID: 12309

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.7041	0.5951 0.6853	0.6654 0.7151	0.6872 0.7035	0.7039	Ave		0.6825			0.0500	5.6		15.0			
Pyrene	1.3070 1.3194	1.2113 1.2896	1.1968 1.3561	1.2383 1.3015	1.2207	Ave		1.2712			0.0500	4.4		15.0			
Butyl benzyl phthalate	0.5617	0.5291 0.5387	0.5339 0.5723	0.5272 0.5636	0.5408	Ave		0.5459			0.0500	3.2		15.0			
3,3'-Dimethoxybenzidine	0.3331	0.2589 0.3426	0.2909 0.3457	0.3084 0.3416	0.3143	Ave		0.3169			0.0500	9.6		15.0			
Bis(2-ethylhexyl) phthalate	0.7816	0.7890 0.7489	0.7377 0.7911	0.7515 0.7717	0.7637	Ave		0.7669			0.0500	2.6		15.0			
4,4'-Methylene bis(2-chloroaniline)	0.2503	0.2204 0.2362	0.2318 0.2501	0.2323 0.2499	0.2398	Ave		0.2389			0.0500	4.5		15.0			
3,3'-Dichlorobenzidine	0.4488	0.4297 0.4419	0.3994 0.4617	0.4352 0.4587	0.4323	Ave		0.4385			0.0500	4.5		15.0			
Benzo[a]anthracene	1.3659 1.2505	1.2352 1.2386	1.1780 1.3135	1.2069 1.3219	1.1912	Ave		1.2557			0.0500	5.1		15.0			
Chrysene	1.2094 1.1275	1.0905 1.0960	1.0800 1.1784	1.0575 1.1280	1.1073	Ave		1.1194			0.0500	4.3		15.0			
Di-n-octyl phthalate	1.6549	1.5212 1.6248	1.5124 1.7278	1.5537 1.7544	1.5945	Ave		1.6180			0.0500	5.6		15.0			
Benzo[b]fluoranthene	1.4310 1.4310	1.2945 1.5407	1.4471 1.6722	1.4305 1.6359	1.4486	Ave		1.4813			0.0500	7.9		15.0			
Benzo[k]fluoranthene	1.3832 1.4156	1.4894 1.2722	1.2537 1.3550	1.2834 1.4053	1.3829	Ave		1.3601			0.0500	5.7		15.0			
Benzo[a]pyrene	1.2763 1.3043	1.1875 1.2935	1.2257 1.3658	1.2494 1.3921	1.2815	Ave		1.2862			0.0500	5.0		15.0			
Indeno[1,2,3-cd]pyrene	1.2077 1.3344	1.2413 1.3412	1.2840 1.4334	1.2776 1.4880	1.3598	Ave		1.3297			0.0500	6.7		15.0			
Dibenz(a,h)anthracene	1.0067 1.1180	1.0391 1.1249	1.0759 1.2027	1.0594 1.2421	1.1321	Ave		1.1112			0.0500	6.8		15.0			
Benzo[g,h,i]perylene	1.1458 1.1047	1.0501 1.0972	1.0626 1.1752	1.0908 1.2106	1.1276	Ave		1.1183			0.0500	4.7		15.0			
2-Fluorophenol (Surr)	1.5300	1.4808 1.4750	1.4082 1.5911	1.4839 1.5049	1.5046	Ave		1.4973			0.0500	3.5		15.0			
Phenol-d5 (Surr)	2.1752	2.0198 2.1620	2.0030 2.2940	2.0886 2.2281	2.1489	Ave		2.1400			0.0500	4.6		15.0			
Nitrobenzene-d5 (Surr)	0.6264 0.6197	0.5903 0.5659	0.6050 0.6424	0.6121 0.5936	0.6029	Ave		0.6065			0.0500	3.7		15.0			
2-Fluorobiphenyl (Surr)	1.3053 1.3143	1.3318 1.2929	1.3153 1.3970	1.3470 1.3852	1.2878	Ave		1.3307			0.0500	2.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64921

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2012 11:39 Calibration End Date: 11/14/2012 14:12 Calibration ID: 12309

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4,6-Tribromophenol (Surr)	0.1423	0.1315 0.1376	0.1301 0.1509	0.1338 0.1491	0.1331	Ave		0.1385			0.0500	5.8		15.0			
Terphenyl-d14 (Surr)	0.7918 0.7876	0.7372 0.7751	0.7276 0.8069	0.7479 0.8052	0.7416	Ave		0.7690			0.0500	4.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64921

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2012 11:39 Calibration End Date: 11/14/2012 14:12 Calibration ID: 12309

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-64921/6	21114006.D
Level 2	STD2 240-64921/5	21114005.D
Level 3	STD3 240-64921/4	21114004.D
Level 4	STD4 240-64921/3	21114003.D
Level 5	STD5 240-64921/2	21114002.D
Level 6	STD6 240-64921/10	21114010.D
Level 7	STD7 240-64921/9	21114009.D
Level 8	STD8 240-64921/8	21114008.D
Level 9	STD9 240-64921/7	21114007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	343186	23008 612624	41886 776127	81263 941226	218098	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	553132	35924 1013842	71141 1257512	134157 1585723	351770	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	877444	51914 1548890	106215 1945174	201562 2460081	536850	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Ethyl methacrylate	DCB	Ave	746971	49765 1341098	95633 1682820	183014 2087051	472212	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Chloropropionitrile	DCB	Ave	356061	22962 651313	45228 811597	88015 1031492	230369	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Malononitrile	DCB	Ave	931445	56827 1677950	119726 1992150	233313 2490105	581602	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	9440 615486	47267 873695	96633 +++++	179379 +++++	424844	0.100 10.0	0.500 15.0	1.00 +++++	2.00 +++++	5.00
2,4-Toluene diamine	NPT	Ave	383595	28356 +++++	62444 +++++	117954 +++++	289536	10.0	0.500 +++++	1.00 +++++	2.00 +++++	5.00
Phenol	DCB	Ave	933585	55896 1681094	111694 2139223	224964 2756941	587767	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1163522	72100 2144618	143045 2688278	273516 3553631	723431	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	765620	47136 1310054	93450 1649821	181251 2158786	473410	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	549092	32588 986162	67632 1230822	129000 1615132	344056	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	630943	37988 1127061	79837 1399286	150432 1826854	392661	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,4-Dichlorobenzene	DCB	Ave	622476	37187 1099223	77035 1405722	146324 1786190	386505	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64921

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2012 11:39 Calibration End Date: 11/14/2012 14:12 Calibration ID: 12309

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzyl alcohol	DCB	Ave	439538	26906 793729	52877 998382	103733 1298623	267881	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	588668	36222 1066506	75266 1340077	146194 1712518	373791	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	618780	34722 1080934	75319 1394450	144058 1793702	385463	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Qua	716800	+++++ 1426737	60138 1791537	141192 2452486	436030	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
bis (2-chloroisopropyl) ether	DCB	Ave	674680	39116 1183019	81475 1480807	158800 1936691	400455	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3 & 4 Methylphenol	DCB	Ave	647034	37605 1168321	81021 1464290	153645 1936921	401806	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	658529	39601 1156250	84740 1445220	159341 1880888	406505	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	975778	56528 1720639	120180 2211229	228039 2856149	599601	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	257044	15084 458892	33152 568264	61607 723250	161189	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	944160	56926 1643544	118591 2043725	223572 2704863	568868	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	1654917	99043 2965628	198800 3705102	387329 4863428	1005090	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	309880	17302 567268	37861 708764	74222 935805	190226	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	774973	45322 1343424	95247 1696581	178805 2168785	467319	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3,5-Trichlorobenzene	NPT	Ave	570316	33511 1038405	68933 1290892	131896 1704867	351226	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	872497	52597 1528700	106744 1937831	210843 2539583	527993	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	478669	26974 860739	56243 1079178	109837 1427673	291798	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	564509	34703 995140	71097 1270758	134568 1647841	345737	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	20470 1625381	93088 2919974	199317 3666918	377308 4854263	996615	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	682956	41029 1218219	90845 1502350	161497 2120925	434159	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	340128	20524 592614	41166 753406	80660 974006	210008	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Ave	222785	12650 404351	25108 507439	50028 643432	136937	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64921

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2012 11:39 Calibration End Date: 11/14/2012 14:12 Calibration ID: 12309

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	674494	36485 1209128	77086 1525288	156664 1982460	408362	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	12022 1082232	65102 1945919	128598 2446209	249359 3258872	662572	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Qua	486576	+++++ 974422	42710 1184795	100234 1590032	291253	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
1-Methylnaphthalene	NPT	Ave	11643 1029063	57828 1843773	123712 2323138	243192 3102099	627260	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,3,5-Tetrachlorobenzene	ANT	Ave	604987	37416 1084654	73800 1375680	141514 1840469	370708	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	400448	22599 720639	50903 937245	94915 1230798	257561	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,3,5,6-Tetrachlorophenol	ANT	Ave	353062	+++++ 660761	36172 828339	75329 1069620	204063	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	404351	21205 729480	43723 929163	96545 1212748	244958	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	421048	23235 770175	51340 963261	103710 1263260	259409	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	17424 1371026	78183 2520666	164889 3162687	324601 4161613	810534	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	14250 1095956	62009 1988357	134281 2506597	256154 3319930	675895	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	475073	25276 866881	58552 1084601	112944 1407189	284666	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	1318933	75695 2394547	154136 2956891	305163 3879515	768076	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	306552	16390 557758	33394 695843	68831 921564	185290	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dinitrobenzene	ANT	Ave	155818	7413 285999	17532 351558	36481 464517	91534	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	20852 1778100	101702 3249357	207537 4039570	402051 5384784	1056913	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	305918	16157 567302	38347 713071	72916 917743	190550	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	361802	20464 606053	42921 756685	85898 +++++	217783	10.0	0.500 15.0	1.00 20.0	2.00 +++++	5.00
Acenaphthene	ANT	Ave	12526 1095440	62674 2004992	128206 2524581	251206 3333668	656136	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Ave	237787	11658 425767	23975 537177	50170 709468	138422	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrotoluene	ANT	Ave	414750	21963 759842	45495 936756	96001 1230894	246512	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64921

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2012 11:39 Calibration End Date: 11/14/2012 14:12 Calibration ID: 12309

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Dibenzofuran	ANT	Ave	20033 1563382	89972 2873922	192859 3608566	372394 4776084	946052	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	 1280858	75029 2353991	151005 2931572	299629 3821696	768891	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	 697217	40744 1289138	81698 1616992	162693 2149243	415624	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	 341896	16644 622939	38122 789781	77316 1024063	201387	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	17881 1326371	74886 2442356	157281 3078682	308092 4071862	790815	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Ave	 293810	12114 559475	29196 713714	59840 925527	171732	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodiphenylamine	PHN	Ave	 1020048	59634 1876683	118727 2350326	229598 3106564	594476	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	 1916972	104116 3436638	224083 4254385	434349 5650974	1118404	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	 1916720	104116 3436616	224083 4253985	434470 5650875	1120486	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	 377838	20226 691319	43647 853474	87016 1139405	223192	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	4997 354403	19224 655912	42205 790947	80727 1032094	213430	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Ave	 558499	21263 1064112	52955 1260860	110594 1729849	315561	 20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	26053 1974820	110048 3649803	225065 4527707	436749 5991808	1152109	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	25743 2047596	113653 3822892	233887 4781792	454751 6096679	1194253	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	 1820195	96941 3371606	210584 4136104	406075 5446003	1059446	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	 2291821	129343 4221342	258410 5134530	517425 6144634	1342037	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	30244 2341826	122997 4450314	257179 5455431	518777 6843727	1362133	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Ave	 1268926	62479 2384177	147613 2883862	293782 3785464	787031	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyrene	CRY	Ave	29578 2377919	127178 4486347	265489 5468522	529386 7003441	1364733	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	 1012330	55556 1874010	118431 2307855	225386 3032617	604614	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dimethoxybenzidine	CRY	Ave	 600427	27181 1191906	64524 1394084	131842 1838215	351454	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 64921

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2012 11:39 Calibration End Date: 11/14/2012 14:12 Calibration ID: 12309

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Bis(2-ethylhexyl) phthalate	CRY	Ave	1408600	82838 2605256	163656 3190001	321251 4152624	853797	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,4'-Methylene bis(2-chloroaniline)	CRY	Ave	451127	23145 821651	51426 1008670	99307 1344684	268122	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dichlorobenzidine	CRY	Ave	808820	45112 1537114	88605 1861684	186063 2468605	483273	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]anthracene	CRY	Ave	30911 2253686	129687 4308859	261314 5296654	515946 7113494	1331831	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	27370 2032015	114489 3812893	239586 4751819	452081 6069885	1238011	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Ave	2458218	128472 4671567	267811 5777151	537605 7500707	1434904	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	26185 2125665	109322 4429778	256249 5591104	494977 6994159	1303589	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	25311 2102729	125787 3657700	222009 4530547	444091 6007953	1244510	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	23354 1937370	100288 3719089	217048 4566553	432320 5951464	1153188	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	22100 1982116	104835 3856110	227370 4792786	442084 6361761	1223681	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	18421 1660741	87752 3234456	190521 4021439	366573 5310553	1018822	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	20967 1640949	88685 3154779	188168 3929312	377450 5175654	1014736	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	618376	36719 1074897	73155 1372448	145674 1725126	376628	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	879128	50083 1575549	104054 1978728	205044 2554181	537928	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	12417 971224	54551 1590785	117341 2149336	232298 2647672	590388	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	16512 1346058	78696 2454462	165653 3084538	326854 4081766	821044	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	145725	7773 261292	16380 333162	32469 439298	84851	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	17919 1419418	77399 2696568	161409 3253950	319711 4333185	829185	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114002.D
Lims ID: std5 tcl
Client ID:
Inject. Date: 14-Nov-2012 11:39:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 5
Sample ID: 240-0014932-002
Misc. Info.: CCV TCL =CCV TCL
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 2
Lims Batch ID: 64921
Lims Sample ID: 2
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m
Last Update: 15-Nov-2012 07:40:14
Calib Date: 14-Nov-2012 14:12:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: ulmanm
Date: 14-Nov-2012 12:17:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.0	93	200260	4.00	
* 2 Naphthalene-d8	136	4.799	4.799	0.0	99	783366	4.00	
* 3 Acenaphthene-d10	164	6.092	6.092	0.0	79	510061	4.00	
* 4 Phenanthrene-d10	188	7.171	7.171	0.0	97	896579	4.00	
* 5 Chrysene-d12	240	9.152	9.152	0.0	89	894428	4.00	
* 6 Perylene-d12	264	10.525	10.525	0.0	92	719923	4.00	
$ 7 2-Fluorophenol	112	2.834	2.834	0.0	92	376628	5.02	
$ 8 Phenol-d5	99	3.512	3.512	0.0	0	537928	5.02	
$ 9 Nitrobenzene-d5	82	4.249	4.249	0.0	83	590388	4.97	
$ 10 2-Fluorobiphenyl (Surr)	172	5.579	5.579	0.0	94	821044	4.84	
$ 11 2,4,6-Tribromophenol	330	6.663	6.663	0.0	69	84851	4.80	
$ 12 Terphenyl-d14	244	8.314	8.314	0.0	97	829185	4.82	
25 1,4-Dioxane	88	1.739	1.739	0.0	78	218098	5.09	
26 N-Nitrosodimethylamine	74	1.910	1.910	0.0	76	351770	5.02	
27 Pyridine	79	1.952	1.952	0.0	93	536850	5.04	
28 Ethyl methacrylate	69	2.198	2.198	0.0	79	472212	5.01	
29 3-Chloropropionitrile	54	2.380	2.380	0.0	81	230369	5.09	
33 Malononitrile	66	2.556	2.556	0.0	79	581602	5.05	
41 Benzaldehyde	77	3.501	3.501	0.0	85	424844	5.02	
43 Phenol	94	3.523	3.523	0.0	84	587767	5.06	
44 Aniline	93	3.581	3.581	0.0	90	723431	4.95	
69 Bis(2-chloroethyl)ether	93	3.608	3.608	0.0	85	473410	5.07	
46 2-Chlorophenol	128	3.678	3.678	0.0	90	344056	5.07	
47 1,3-Dichlorobenzene	146	3.800	3.800	0.0	84	392661	5.02	
48 1,4-Dichlorobenzene	146	3.848	3.848	0.0	79	386505	5.04	
49 Benzyl alcohol	108	3.918	3.918	0.0	84	267881	4.92	
50 1,2-Dichlorobenzene	146	3.971	3.971	0.0	85	373791	5.04	
51 2-Methylphenol	108	3.987	3.987	0.0	95	385463	5.11	
53 2,2'-oxybis[1-chloropropane]	45	4.019	4.019	0.0	98	400455	4.90	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	4.099	4.099	0.0	92	401806	5.00	
57 N-Nitrosodi-n-propylamine	70	4.116	4.116	0.0	70	406505	4.99	
58 Acetophenone	105	4.126	4.126	0.0	76	599601	5.01	
61 Hexachloroethane	117	4.228	4.228	0.0	92	161189	5.08	
62 Nitrobenzene	77	4.260	4.260	0.0	74	568868	4.84	
64 Isophorone	82	4.436	4.436	0.0	94	1005090	4.86	
66 2-Nitrophenol	139	4.500	4.500	0.0	80	190226	4.88	
65 2,4-Dimethylphenol	107	4.505	4.505	0.0	94	467319	4.90	
67 1,3,5-Trichlorobenzene	180	4.516	4.516	0.0	90	351226	4.90	
70 Bis(2-chloroethoxy)methane	93	4.580	4.580	0.0	94	527993	4.83	
71 Benzoic acid	122	4.570	4.570	0.0	75	436030	10.2	M
73 2,4-Dichlorophenol	162	4.676	4.676	0.0	90	291798	4.92	
74 1,2,4-Trichlorobenzene	180	4.751	4.751	0.0	87	345737	4.85	
75 Naphthalene	128	4.815	4.815	0.0	97	996615	4.90	
76 4-Chloroaniline	127	4.831	4.831	0.0	64	434159	4.96	
79 Hexachlorobutadiene	225	4.901	4.901	0.0	85	210008	4.95	
80 1,2,3-Trichlorobenzene	180	4.917	4.917	0.0	84	325085	0	
84 Caprolactam	113	5.082	5.082	0.0	81	136937	4.99	
86 4-Chloro-3-methylphenol	107	5.173	5.173	0.0	79	408362	4.93	
87 2-Methylnaphthalene	142	5.323	5.323	0.0	84	662572	4.95	
88 1-Methylnaphthalene	142	5.397	5.397	0.0	80	627260	4.94	
90 1,2,3,5-Tetrachlorobenzene	216	5.435	5.435	0.0	90	370708	4.85	
89 Hexachlorocyclopentadiene	237	5.440	5.440	0.0	83	257561	5.06	
92 2,4,6-Trichlorophenol	196	5.520	5.520	0.0	87	244958	4.96	
93 2,4,5-Trichlorophenol	196	5.547	5.547	0.0	89	259409	4.91	
97 2,4-Toluene diamine	121	5.638	5.638	0.0	95	289536	4.99	
99 1,2,3,4 -Tetrachlorobenzene	216	5.659	5.659	0.0	76	346692	0	
98 1,1'-Biphenyl	154	5.654	5.654	0.0	96	810534	4.72	
100 2-Chloronaphthalene	162	5.680	5.680	0.0	88	675895	4.90	
102 2-Nitroaniline	65	5.739	5.739	0.0	70	284666	4.83	
105 Dimethyl phthalate	163	5.857	5.857	0.0	95	768076	4.74	
107 2,6-Dinitrotoluene	165	5.905	5.905	0.0	83	185290	4.97	
108 1,2-Dinitrobenzene	168	5.953	5.953	0.0	82	91534	4.87	
109 Acenaphthylene	152	5.990	5.990	0.0	84	1056913	4.83	
110 3-Nitroaniline	138	6.038	6.038	0.0	86	190550	4.96	
111 2,4-Dinitrophenol	184	6.108	6.108	0.0	74	291253	9.95	
112 Acenaphthene	153	6.113	6.113	0.0	88	656136	4.86	
113 4-Nitrophenol	109	6.129	6.129	0.0	85	138422	4.96	
114 2,4-Dinitrotoluene	165	6.204	6.204	0.0	82	246512	4.89	
116 Dibenzofuran	168	6.236	6.236	0.0	84	946052	4.79	
118 2,3,5,6-Tetrachlorophenol	232	6.289	6.289	0.0	88	204063	4.77	
121 Diethyl phthalate	149	6.359	6.359	0.0	95	768891	4.81	
123 4-Chlorophenyl phenyl ether	204	6.471	6.471	0.0	88	415624	4.76	
125 4-Nitroaniline	138	6.482	6.482	0.0	83	201387	4.89	
126 Fluorene	166	6.487	6.487	0.0	81	790815	4.73	
128 4,6-Dinitro-2-methylphenol	198	6.503	6.503	0.0	51	171732	5.06	
131 N-Nitrosodiphenylamine	169	6.551	6.551	0.0	97	594476	4.79	
133 Azobenzene	77	6.583	6.583	0.0	93	1120486	4.90	
132 1,2-Diphenylhydrazine	77	6.583	6.583	0.0	98	1118404	4.90	
139 4-Bromophenyl phenyl ether	248	6.823	6.823	0.0	66	223192	4.92	
141 Hexachlorobenzene	284	6.898	6.898	0.0	86	213430	4.92	
142 Atrazine	200	6.914	6.914	0.0	86	217783	5.08	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.026	7.026	0.0	78	315561	10.1	
148 Phenanthrene	178	7.192	7.192	0.0	86	1152109	4.81	
149 Anthracene	178	7.229	7.229	0.0	86	1194253	4.83	
151 Carbazole	167	7.331	7.331	0.0	82	1059446	4.87	
154 Di-n-butyl phthalate	149	7.534	7.534	0.0	100	1342037	4.95	
159 Fluoranthene	202	8.063	8.063	0.0	98	1362133	4.85	
160 Benzidine	184	8.127	8.127	0.0	99	787031	5.16	
161 Pyrene	202	8.233	8.233	0.0	94	1364733	4.80	
168 Butyl benzyl phthalate	149	8.655	8.655	0.0	93	604614	4.95	
172 3,3'-Dimethoxybenzidine	244	9.056	9.056	0.0	83	351454	4.96	
173 Bis(2-ethylhexyl) phthalate	149	9.072	9.072	0.0	95	853797	4.98	
174 4,4'-Methylene bis(2-chloroanili	231	9.088	9.088	0.0	87	268122	5.02	
175 3,3'-Dichlorobenzidine	252	9.093	9.093	0.0	64	483273	4.93	
177 Benzo[a]anthracene	228	9.141	9.141	0.0	89	1331831	4.74	
178 Chrysene	228	9.174	9.174	0.0	90	1238011	4.95	
180 Di-n-octyl phthalate	149	9.595	9.595	0.0	98	1434904	4.93	
182 Benzo[b]fluoranthene	252	10.103	10.103	0.0	85	1303589	4.89	
183 Benzo[k]fluoranthene	252	10.130	10.130	0.0	88	1244510	5.08	
184 Benzo[a]pyrene	252	10.466	10.466	0.0	74	1153188	4.98	
188 Indeno[1,2,3-cd]pyrene	276	12.004	12.004	0.0	90	1223681	5.11	
189 Dibenz(a,h)anthracene	278	12.010	12.010	0.0	56	1018822	5.09	
190 Benzo[g,h,i]perylene	276	12.458	12.458	0.0	89	1014736	5.04	
S 191 Methyl Phenols,Total	100				0		10.1	

QC Flag Legend

Review Flags
M - Manually Integrated

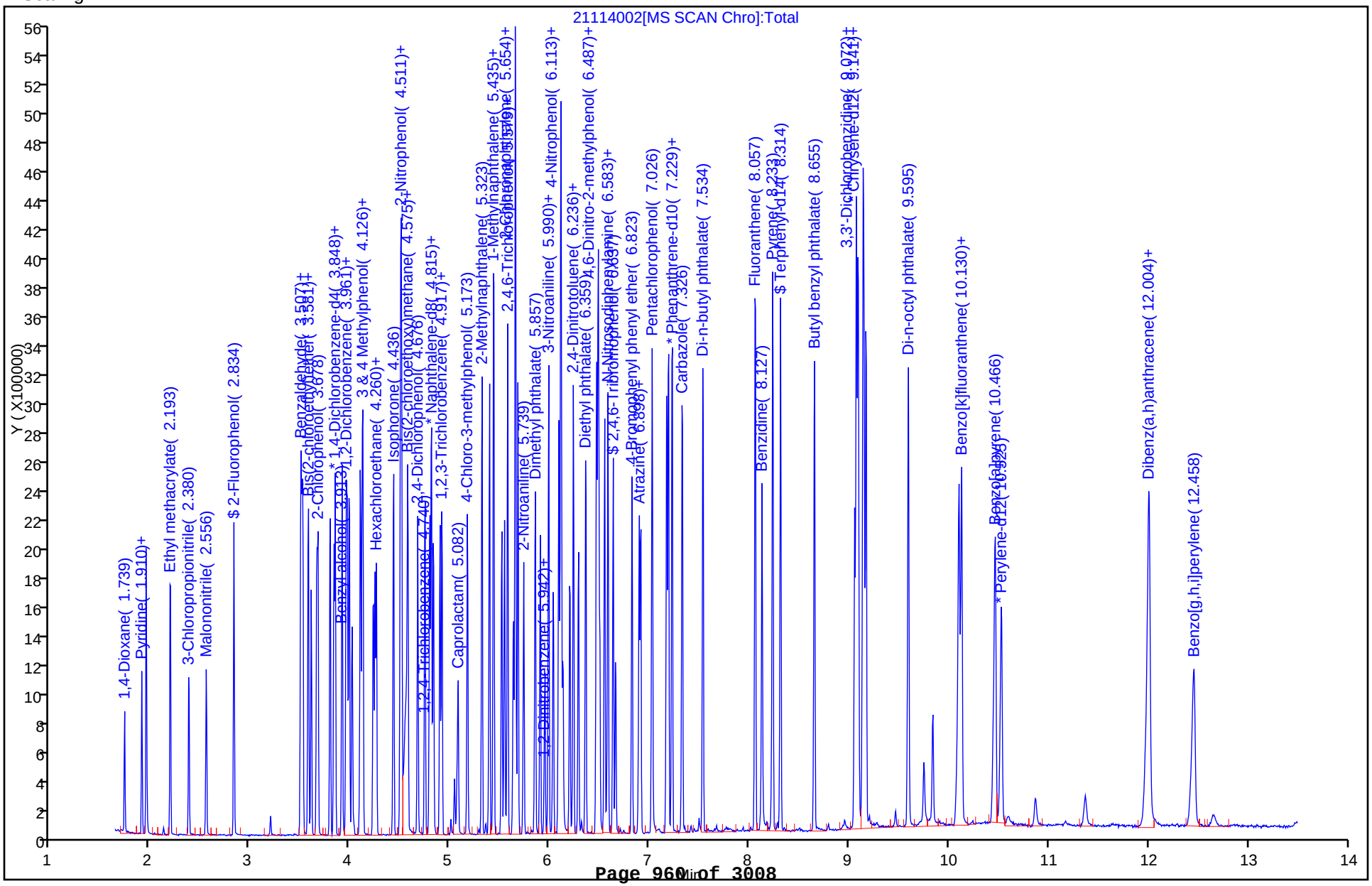
Report Date: 15-Nov-2012 07:40:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114002.D

Injection Date:	14-Nov-2012 11:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

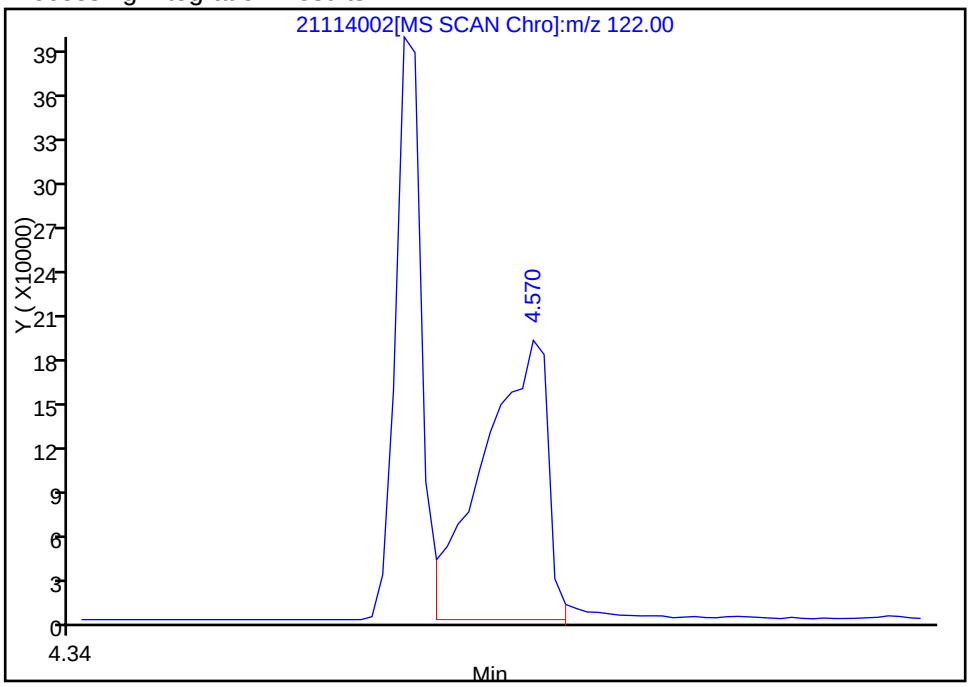
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114002.D		
Injection Date:	14-Nov-2012 11:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 4.57

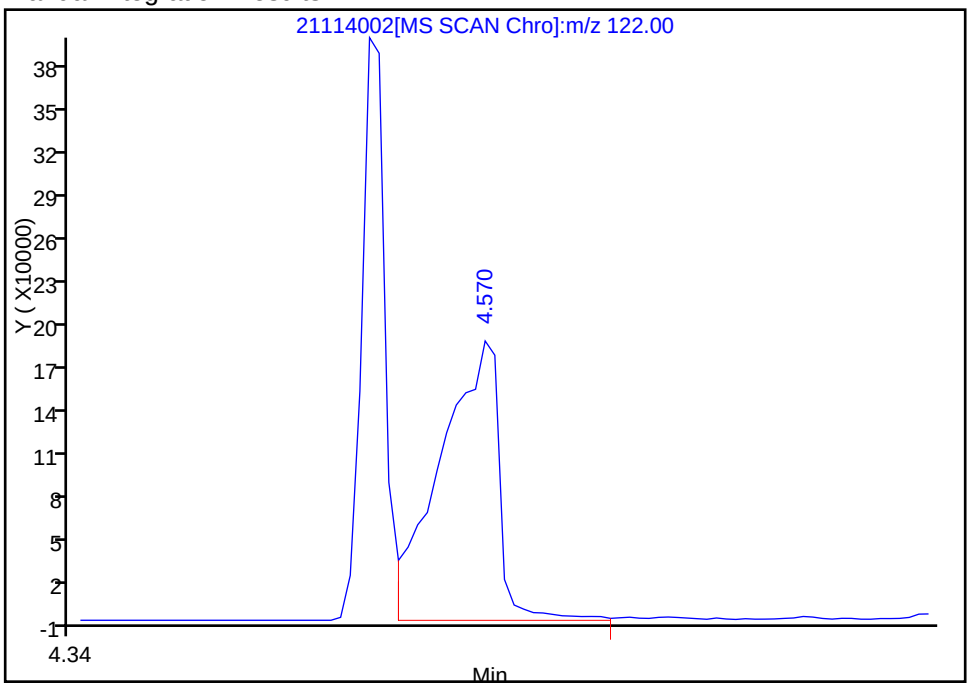
Processing Integration Results

RT: 4.57
Response: 424053
Amount: 10.000000



Manual Integration Results

RT: 4.57
Response: 436030
Amount: 10.181923



Reviewer: ulmanm, 14-Nov-2012 12:17:14
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114003.D		
Lims ID:	std4 tcl	Client ID:	
Inject. Date:	14-Nov-2012 11:59:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0014932-003		
Misc. Info.:	ICV IND =ICV IND		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	64921	Lims Sample ID:	3
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m		
Last Update:	15-Nov-2012 07:40:16	Calib Date:	14-Nov-2012 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: ulmanm		Date:	14-Nov-2012 12:35:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.0	85	196345	4.00	
* 2 Naphthalene-d8	136	4.794	4.799	-0.005	98	759035	4.00	
* 3 Acenaphthene-d10	164	6.086	6.092	-0.006	78	485322	4.00	
* 4 Phenanthrene-d10	188	7.171	7.171	0.0	97	871158	4.00	
* 5 Chrysene-d12	240	9.115	9.152	-0.037	79	854998	4.00	
* 6 Perylene-d12	264	10.482	10.525	-0.043	93	692045	4.00	
$ 7 2-Fluorophenol	112	2.834	2.834	0.0	91	145674	1.98	
$ 8 Phenol-d5	99	3.512	3.512	0.0	0	205044	1.95	
$ 9 Nitrobenzene-d5	82	4.244	4.249	-0.005	83	232298	2.02	
$ 10 2-Fluorobiphenyl (Surr)	172	5.574	5.579	-0.005	98	326854	2.02	
$ 11 2,4,6-Tribromophenol	330	6.658	6.663	-0.005	75	32469	1.93	
$ 12 Terphenyl-d14	244	8.303	8.314	-0.011	97	319711	1.95	
25 1,4-Dioxane	88	1.739	1.739	0.0	82	81263	1.94	
26 N-Nitrosodimethylamine	74	1.910	1.910	0.0	81	134157	1.95	
27 Pyridine	79	1.958	1.952	0.006	92	201562	1.93	
28 Ethyl methacrylate	69	2.198	2.198	0.0	79	183014	1.98	
29 3-Chloropropionitrile	54	2.385	2.380	0.005	79	88015	1.98	
33 Malononitrile	66	2.556	2.556	0.0	79	233313	2.07	
41 Benzaldehyde	77	3.501	3.501	0.0	80	179379	2.16	
43 Phenol	94	3.523	3.523	0.0	89	224964	1.98	
44 Aniline	93	3.581	3.581	0.0	96	273516	1.91	
69 Bis(2-chloroethyl)ether	93	3.608	3.608	0.0	97	181251	1.98	
46 2-Chlorophenol	128	3.677	3.678	-0.001	92	129000	1.94	
47 1,3-Dichlorobenzene	146	3.800	3.800	0.0	84	150432	1.96	
48 1,4-Dichlorobenzene	146	3.848	3.848	0.0	70	146324	1.95	
49 Benzyl alcohol	108	3.918	3.918	0.0	79	103733	1.94	
50 1,2-Dichlorobenzene	146	3.971	3.971	0.0	84	146194	2.01	
51 2-Methylphenol	108	3.987	3.987	0.0	85	144058	1.95	
53 2,2'-oxybis[1-chloropropane]	45	4.019	4.019	0.0	98	158800	1.98	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	4.099	4.099	0.0	90	153645	1.95	
57 N-Nitrosodi-n-propylamine	70	4.115	4.116	-0.001	70	159341	2.00	
58 Acetophenone	105	4.126	4.126	0.0	77	228039	1.94	
61 Hexachloroethane	117	4.228	4.228	0.0	97	61607	1.98	
62 Nitrobenzene	77	4.260	4.260	0.0	73	223572	1.96	
64 Isophorone	82	4.431	4.436	-0.005	95	387329	1.93	
66 2-Nitrophenol	139	4.500	4.500	0.0	79	74222	1.96	
65 2,4-Dimethylphenol	107	4.505	4.505	0.0	96	178805	1.94	
67 1,3,5-Trichlorobenzene	180	4.516	4.516	0.0	89	131896	1.90	
70 Bis(2-chloroethoxy)methane	93	4.575	4.580	-0.005	98	210843	1.99	
71 Benzoic acid	122	4.548	4.570	-0.022	76	141192	3.99	M
73 2,4-Dichlorophenol	162	4.676	4.676	0.0	92	109837	1.91	
74 1,2,4-Trichlorobenzene	180	4.746	4.751	-0.005	88	134568	1.95	
75 Naphthalene	128	4.810	4.815	-0.005	99	377308	1.92	
76 4-Chloroaniline	127	4.831	4.831	0.0	70	161497	1.90	
79 Hexachlorobutadiene	225	4.901	4.901	0.0	85	80660	1.96	
80 1,2,3-Trichlorobenzene	180	4.917	4.917	0.0	79	122938	0	
84 Caprolactam	113	5.066	5.082	-0.016	74	50028	1.88	
86 4-Chloro-3-methylphenol	107	5.173	5.173	0.0	79	156664	1.95	
87 2-Methylnaphthalene	142	5.317	5.323	-0.006	84	249359	1.92	
88 1-Methylnaphthalene	142	5.392	5.397	-0.005	82	243192	1.98	
90 1,2,3,5-Tetrachlorobenzene	216	5.435	5.435	0.0	91	141514	1.95	
89 Hexachlorocyclopentadiene	237	5.440	5.440	0.0	85	94915	1.96	
92 2,4,6-Trichlorophenol	196	5.515	5.520	-0.005	90	96545	2.05	
93 2,4,5-Trichlorophenol	196	5.542	5.547	-0.005	94	103710	2.06	
97 2,4-Toluene diamine	121	5.632	5.638	-0.006	97	117954	2.10	
99 1,2,3,4 -Tetrachlorobenzene	216	5.654	5.659	-0.005	60	134805	0	
98 1,1'-Biphenyl	154	5.654	5.654	0.0	92	324601	1.99	
100 2-Chloronaphthalene	162	5.680	5.680	0.0	96	256154	1.95	
102 2-Nitroaniline	65	5.734	5.739	-0.005	70	112944	2.02	
105 Dimethyl phthalate	163	5.851	5.857	-0.006	95	305163	1.98	
107 2,6-Dinitrotoluene	165	5.905	5.905	0.0	87	68831	1.94	
108 1,2-Dinitrobenzene	168	5.947	5.953	-0.006	80	36481	2.04	
109 Acenaphthylene	152	5.985	5.990	-0.005	85	402051	1.93	
110 3-Nitroaniline	138	6.033	6.038	-0.005	85	72916	2.00	
111 2,4-Dinitrophenol	184	6.108	6.108	0.0	63	100234	4.12	
112 Acenaphthene	153	6.113	6.113	0.0	90	251206	1.95	
113 4-Nitrophenol	109	6.129	6.129	0.0	86	50170	1.89	
114 2,4-Dinitrotoluene	165	6.198	6.204	-0.006	85	96001	2.00	
116 Dibenzofuran	168	6.236	6.236	0.0	85	372394	1.98	
118 2,3,5,6-Tetrachlorophenol	232	6.284	6.289	-0.005	85	75329	1.85	
121 Diethyl phthalate	149	6.359	6.359	0.0	94	299629	1.97	
123 4-Chlorophenyl phenyl ether	204	6.466	6.471	-0.005	89	162693	1.96	
125 4-Nitroaniline	138	6.476	6.482	-0.006	80	77316	1.97	
126 Fluorene	166	6.487	6.487	0.0	62	308092	1.94	
128 4,6-Dinitro-2-methylphenol	198	6.498	6.503	-0.005	79	59840	1.82	M
131 N-Nitrosodiphenylamine	169	6.546	6.551	-0.005	99	229598	1.91	
133 Azobenzene	77	6.578	6.583	-0.005	96	434470	1.96	
132 1,2-Diphenylhydrazine	77	6.578	6.583	-0.005	98	434349	1.96	
139 4-Bromophenyl phenyl ether	248	6.823	6.823	0.0	64	87016	1.97	
141 Hexachlorobenzene	284	6.893	6.898	-0.005	80	80727	1.91	
142 Atrazine	200	6.909	6.914	-0.005	84	85898	2.06	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.026	7.026	0.0	86	110594	3.65	
148 Phenanthrene	178	7.187	7.192	-0.005	86	436749	1.88	
149 Anthracene	178	7.224	7.229	-0.005	88	454751	1.89	
151 Carbazole	167	7.325	7.331	-0.006	83	406075	1.92	
154 Di-n-butyl phthalate	149	7.534	7.534	0.0	100	517425	1.96	
159 Fluoranthene	202	8.052	8.063	-0.011	98	518777	1.90	
160 Benzidine	184	8.116	8.127	-0.011	86	293782	2.01	
161 Pyrene	202	8.223	8.233	-0.010	95	529386	1.95	
168 Butyl benzyl phthalate	149	8.629	8.655	-0.026	92	225386	1.93	
172 3,3'-Dimethoxybenzidine	244	9.024	9.056	-0.032	88	131842	1.95	
173 Bis(2-ethylhexyl) phthalate	149	9.040	9.072	-0.032	95	321251	1.96	
174 4,4'-Methylene bis(2-chloroanili	231	9.051	9.088	-0.037	83	99307	1.95	
175 3,3'-Dichlorobenzidine	252	9.056	9.093	-0.037	59	186063	1.99	
177 Benzo[a]anthracene	228	9.104	9.141	-0.037	87	515946	1.92	
178 Chrysene	228	9.136	9.174	-0.038	90	452081	1.89	
180 Di-n-octyl phthalate	149	9.553	9.595	-0.042	98	537605	1.92	
182 Benzo[b]fluoranthene	252	10.055	10.103	-0.048	82	494977	1.93	
183 Benzo[k]fluoranthene	252	10.081	10.130	-0.049	89	444091	1.89	
184 Benzo[a]pyrene	252	10.418	10.466	-0.048	74	432320	1.94	
188 Indeno[1,2,3-cd]pyrene	276	11.945	12.004	-0.059	94	442084	1.92	
189 Dibenz(a,h)anthracene	278	11.951	12.010	-0.059	42	366573	1.91	
190 Benzo[g,h,i]perylene	276	12.394	12.458	-0.064	88	377450	1.95	
S 191 Methyl Phenols,Total	100				0		3.90	

QC Flag Legend

Review Flags
M - Manually Integrated

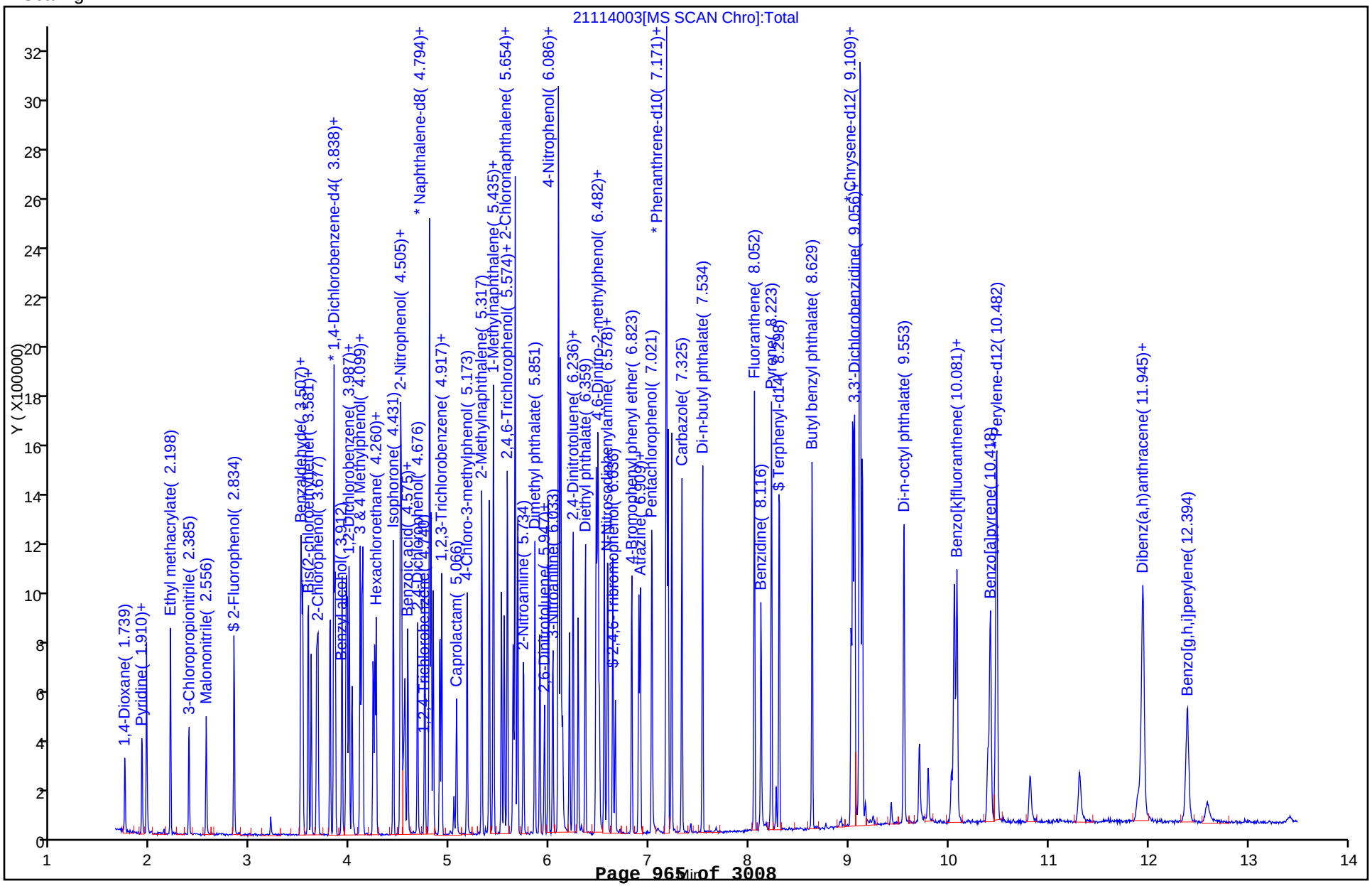
Report Date: 15-Nov-2012 07:40:16 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114003.D

Injection Date:	14-Nov-2012 11:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

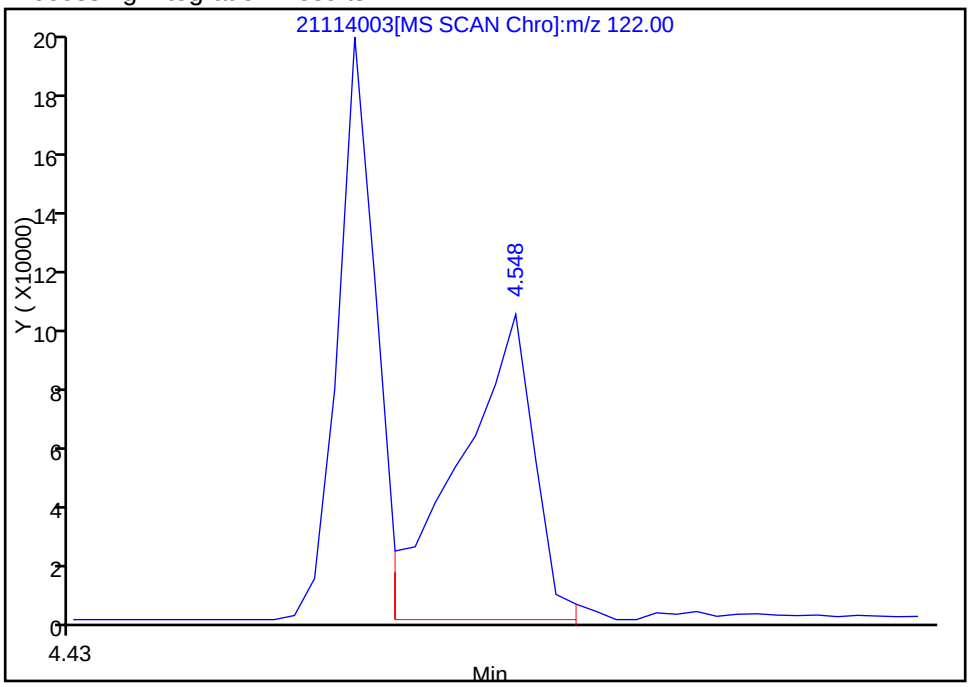
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114003.D		
Injection Date:	14-Nov-2012 11:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 4.57

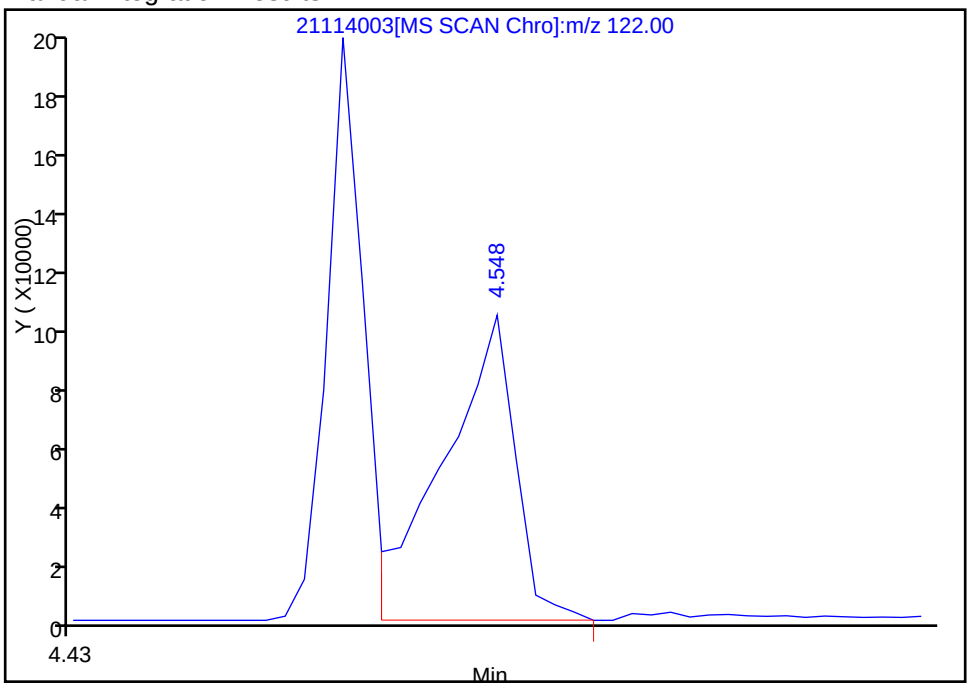
Processing Integration Results

RT: 4.55
Response: 140602
Amount: 3.633164



Manual Integration Results

RT: 4.55
Response: 141192
Amount: 3.993303



Reviewer: ulmanm, 14-Nov-2012 12:35:17
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

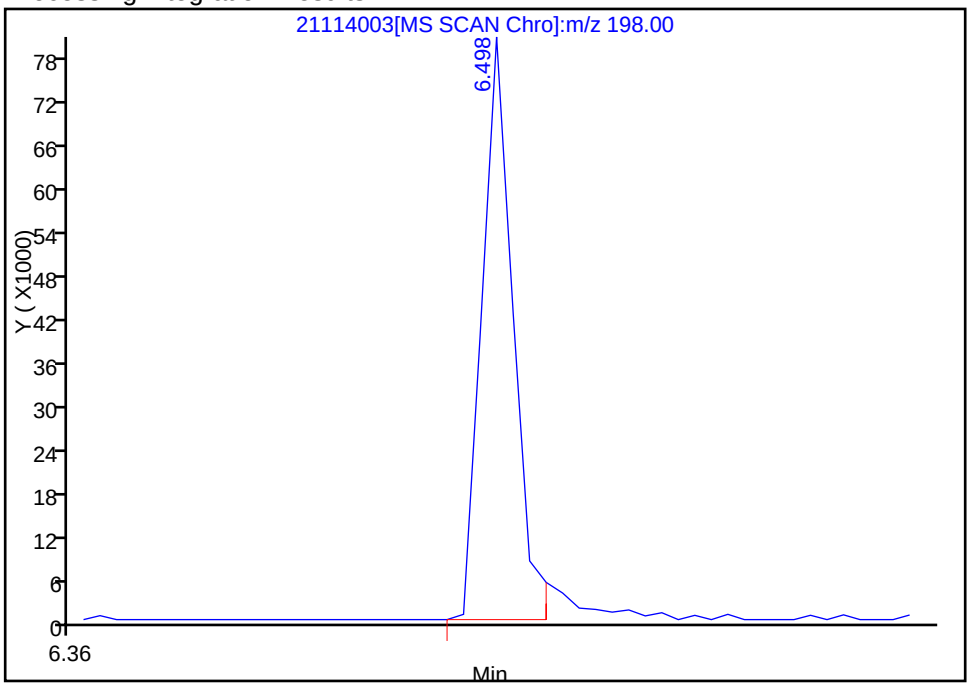
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114003.D		
Injection Date:	14-Nov-2012 11:59:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

128 4,6-Dinitro-2-methylphenol, Signal: 1, m/z: 198.0 Type: quant, RT: 6.50

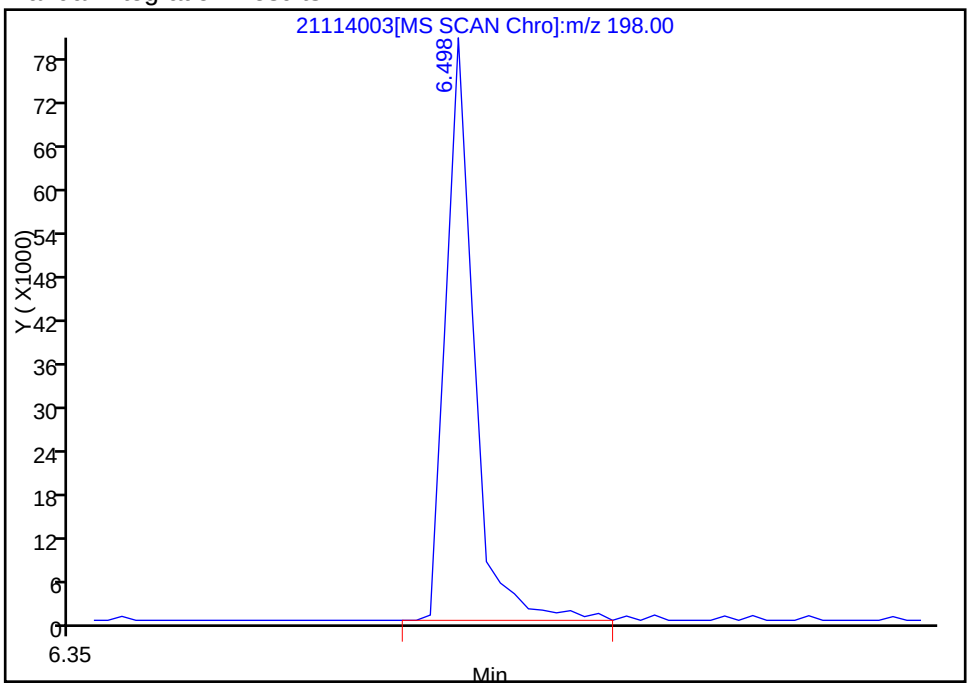
Processing Integration Results

RT: 6.50
Response: 56448
Amount: 1.832829



Manual Integration Results

RT: 6.50
Response: 59840
Amount: 1.815794



Reviewer: ulmanm, 14-Nov-2012 12:35:17
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114004.D		
Lims ID:	std3 tcl	Client ID:	
Inject. Date:	14-Nov-2012 12:18:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0014932-004		
Misc. Info.:	ICV IND =ICV IND		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	64921	Lims Sample ID:	4
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m		
Last Update:	15-Nov-2012 07:40:18	Calib Date:	14-Nov-2012 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: ulmanm		Date:	14-Nov-2012 13:04:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.0	95	207801	4.00	
* 2 Naphthalene-d8	136	4.794	4.799	-0.005	98	775865	4.00	
* 3 Acenaphthene-d10	164	6.087	6.092	-0.005	76	503778	4.00	
* 4 Phenanthrene-d10	188	7.166	7.171	-0.005	96	895815	4.00	
* 5 Chrysene-d12	240	9.110	9.152	-0.042	76	887349	4.00	
* 6 Perylene-d12	264	10.477	10.525	-0.048	93	708312	4.00	
$ 7 2-Fluorophenol	112	2.834	2.834	0.0	92	73155	0.9405	
$ 8 Phenol-d5	99	3.512	3.512	0.0	0	104054	0.9360	
$ 9 Nitrobenzene-d5	82	4.244	4.249	-0.005	84	117341	1.00	
$ 10 2-Fluorobiphenyl (Surr)	172	5.574	5.579	-0.005	99	165653	0.9884	
$ 11 2,4,6-Tribromophenol	330	6.658	6.663	-0.005	70	16380	0.9387	
$ 12 Terphenyl-d14	244	8.298	8.314	-0.016	98	161409	0.9462	
25 1,4-Dioxane	88	1.745	1.739	0.005	79	41886	0.9425	
26 N-Nitrosodimethylamine	74	1.915	1.910	0.005	75	71141	0.9789	
27 Pyridine	79	1.963	1.952	0.011	92	106215	0.9602	
28 Ethyl methacrylate	69	2.199	2.198	0.0	78	95633	0.9780	
29 3-Chloropropionitrile	54	2.385	2.380	0.005	80	45228	0.9635	
33 Malononitrile	66	2.556	2.556	0.0	78	119726	1.00	
41 Benzaldehyde	77	3.502	3.501	0.001	83	96633	1.10	
43 Phenol	94	3.523	3.523	0.0	92	111694	0.9274	
44 Aniline	93	3.576	3.581	-0.005	82	143045	0.9423	
69 Bis(2-chloroethyl)ether	93	3.609	3.608	0.001	92	93450	0.9642	
46 2-Chlorophenol	128	3.678	3.678	0.0	88	67632	0.9597	
47 1,3-Dichlorobenzene	146	3.795	3.800	-0.005	88	79837	0.9841	
48 1,4-Dichlorobenzene	146	3.849	3.848	0.001	75	77035	0.9681	
49 Benzyl alcohol	108	3.918	3.918	0.0	86	52877	0.9363	
50 1,2-Dichlorobenzene	146	3.972	3.971	0.001	90	75266	0.9773	
51 2-Methylphenol	108	3.988	3.987	0.001	89	75319	0.9623	
53 2,2'-oxybis[1-chloropropane]	45	4.020	4.019	0.001	98	81475	0.9605	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	4.100	4.099	0.001	91	81021	0.9719	
57 N-Nitrosodi-n-propylamine	70	4.116	4.116	0.0	71	84740	1.00	
58 Acetophenone	105	4.127	4.126	0.001	74	120180	0.9668	
61 Hexachloroethane	117	4.228	4.228	0.0	93	33152	1.01	
62 Nitrobenzene	77	4.260	4.260	0.0	76	118591	1.02	
64 Isophorone	82	4.431	4.436	-0.005	95	198800	0.9701	
66 2-Nitrophenol	139	4.500	4.500	0.0	82	37861	0.9800	
65 2,4-Dimethylphenol	107	4.506	4.505	0.001	94	95247	1.01	
67 1,3,5-Trichlorobenzene	180	4.517	4.516	0.001	88	68933	0.9718	
71 Benzoic acid	122	4.533	4.570	-0.037	77	60138	2.11	M
70 Bis(2-chloroethoxy)methane	93	4.575	4.580	-0.005	98	106744	0.9864	
73 2,4-Dichlorophenol	162	4.677	4.676	0.001	91	56243	0.9572	
74 1,2,4-Trichlorobenzene	180	4.746	4.751	-0.005	86	71097	1.01	
75 Naphthalene	128	4.810	4.815	-0.005	80	199317	0.99	
76 4-Chloroaniline	127	4.832	4.831	0.001	81	90845	1.05	
79 Hexachlorobutadiene	225	4.896	4.901	-0.005	89	41166	0.9799	
80 1,2,3-Trichlorobenzene	180	4.917	4.917	0.0	82	62022	0	
84 Caprolactam	113	5.061	5.082	-0.021	77	25108	0.9247	
86 4-Chloro-3-methylphenol	107	5.168	5.173	-0.005	78	77086	0.9398	
87 2-Methylnaphthalene	142	5.318	5.323	-0.005	86	128598	0.9699	
88 1-Methylnaphthalene	142	5.392	5.397	-0.005	82	123712	0.9838	
90 1,2,3,5-Tetrachlorobenzene	216	5.435	5.435	0.0	85	73800	0.9780	
89 Hexachlorocyclopentadiene	237	5.435	5.440	-0.005	87	50903	1.01	
92 2,4,6-Trichlorophenol	196	5.515	5.520	-0.005	86	43723	0.8960	
93 2,4,5-Trichlorophenol	196	5.542	5.547	-0.005	92	51340	0.9832	
97 2,4-Toluene diamine	121	5.633	5.638	-0.005	96	62444	1.09	
98 1,1'-Biphenyl	154	5.654	5.654	0.0	96	164889	0.9714	
99 1,2,3,4 -Tetrachlorobenzene	216	5.654	5.659	-0.005	61	69065	0	
100 2-Chloronaphthalene	162	5.676	5.680	-0.004	97	134281	0.9855	
102 2-Nitroaniline	65	5.734	5.739	-0.005	58	58552	1.01	
105 Dimethyl phthalate	163	5.852	5.857	-0.005	95	154136	0.9625	
107 2,6-Dinitrotoluene	165	5.900	5.905	-0.005	85	33394	0.9074	
108 1,2-Dinitrobenzene	168	5.948	5.953	-0.005	76	17532	0.9452	
109 Acenaphthylene	152	5.985	5.990	-0.005	86	207537	0.9608	
110 3-Nitroaniline	138	6.033	6.038	-0.005	85	38347	1.01	
111 2,4-Dinitrophenol	184	6.103	6.108	-0.005	53	42710	2.13	
112 Acenaphthene	153	6.108	6.113	-0.005	89	128206	0.9610	
113 4-Nitrophenol	109	6.130	6.129	0.001	75	23975	0.8692	
114 2,4-Dinitrotoluene	165	6.199	6.204	-0.005	77	45495	0.9138	
116 Dibenzofuran	168	6.231	6.236	-0.005	84	192859	0.9878	
118 2,3,5,6-Tetrachlorophenol	232	6.284	6.289	-0.005	88	36172	0.8560	
121 Diethyl phthalate	149	6.354	6.359	-0.005	95	151005	0.9568	
123 4-Chlorophenyl phenyl ether	204	6.466	6.471	-0.005	88	81698	0.9466	
125 4-Nitroaniline	138	6.471	6.482	-0.011	78	38122	0.9364	
126 Fluorene	166	6.482	6.487	-0.005	64	157281	0.9527	
128 4,6-Dinitro-2-methylphenol	198	6.498	6.503	-0.005	82	29196	0.8615	M
131 N-Nitrosodiphenylamine	169	6.546	6.551	-0.005	95	118727	0.9582	
133 Azobenzene	77	6.578	6.583	-0.005	93	224083	0.9817	
132 1,2-Diphenylhydrazine	77	6.578	6.583	-0.005	98	224083	0.9817	
139 4-Bromophenyl phenyl ether	248	6.824	6.823	0.001	64	43647	0.9625	
141 Hexachlorobenzene	284	6.893	6.898	-0.005	85	42205	0.9735	
142 Atrazine	200	6.909	6.914	-0.005	79	42921	1.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.021	7.026	-0.005	78	52955	1.70	
148 Phenanthrene	178	7.187	7.192	-0.005	86	225065	0.9399	
149 Anthracene	178	7.224	7.229	-0.005	84	233887	0.9460	
151 Carbazole	167	7.326	7.331	-0.005	79	210584	0.9686	
154 Di-n-butyl phthalate	149	7.529	7.534	-0.005	100	258410	0.9536	
159 Fluoranthene	202	8.052	8.063	-0.011	98	257179	0.9167	
160 Benzidine	184	8.116	8.127	-0.011	98	147613	0.9750	
161 Pyrene	202	8.223	8.233	-0.010	95	265489	0.9415	
168 Butyl benzyl phthalate	149	8.629	8.655	-0.026	93	118431	0.9779	
172 3,3'-Dimethoxybenzidine	244	9.019	9.056	-0.037	86	64524	0.9177	
173 Bis(2-ethylhexyl) phthalate	149	9.035	9.072	-0.037	95	163656	0.9620	
174 4,4'-Methylene bis(2-chloroanili	231	9.051	9.088	-0.037	79	51426	0.9705	
175 3,3'-Dichlorobenzidine	252	9.056	9.093	-0.037	57	88605	0.9110	
177 Benzo[a]anthracene	228	9.104	9.141	-0.037	84	261314	0.9381	
178 Chrysene	228	9.131	9.174	-0.043	85	239586	0.9648	
180 Di-n-octyl phthalate	149	9.548	9.595	-0.047	99	267811	0.9347	
182 Benzo[b]fluoranthene	252	10.055	10.103	-0.048	90	256249	0.9769	
183 Benzo[k]fluoranthene	252	10.077	10.130	-0.053	90	222009	0.9218	
184 Benzo[a]pyrene	252	10.413	10.466	-0.053	71	217048	0.9530	
188 Indeno[1,2,3-cd]pyrene	276	11.930	12.004	-0.074	96	227370	0.9656	
189 Dibenz(a,h)anthracene	278	11.941	12.010	-0.069	48	190521	0.9682	M
190 Benzo[g,h,i]perylene	276	12.389	12.458	-0.069	91	188168	0.9502	
S 191 Methyl Phenols,Total	100				0		1.93	

QC Flag Legend

Review Flags
M - Manually Integrated

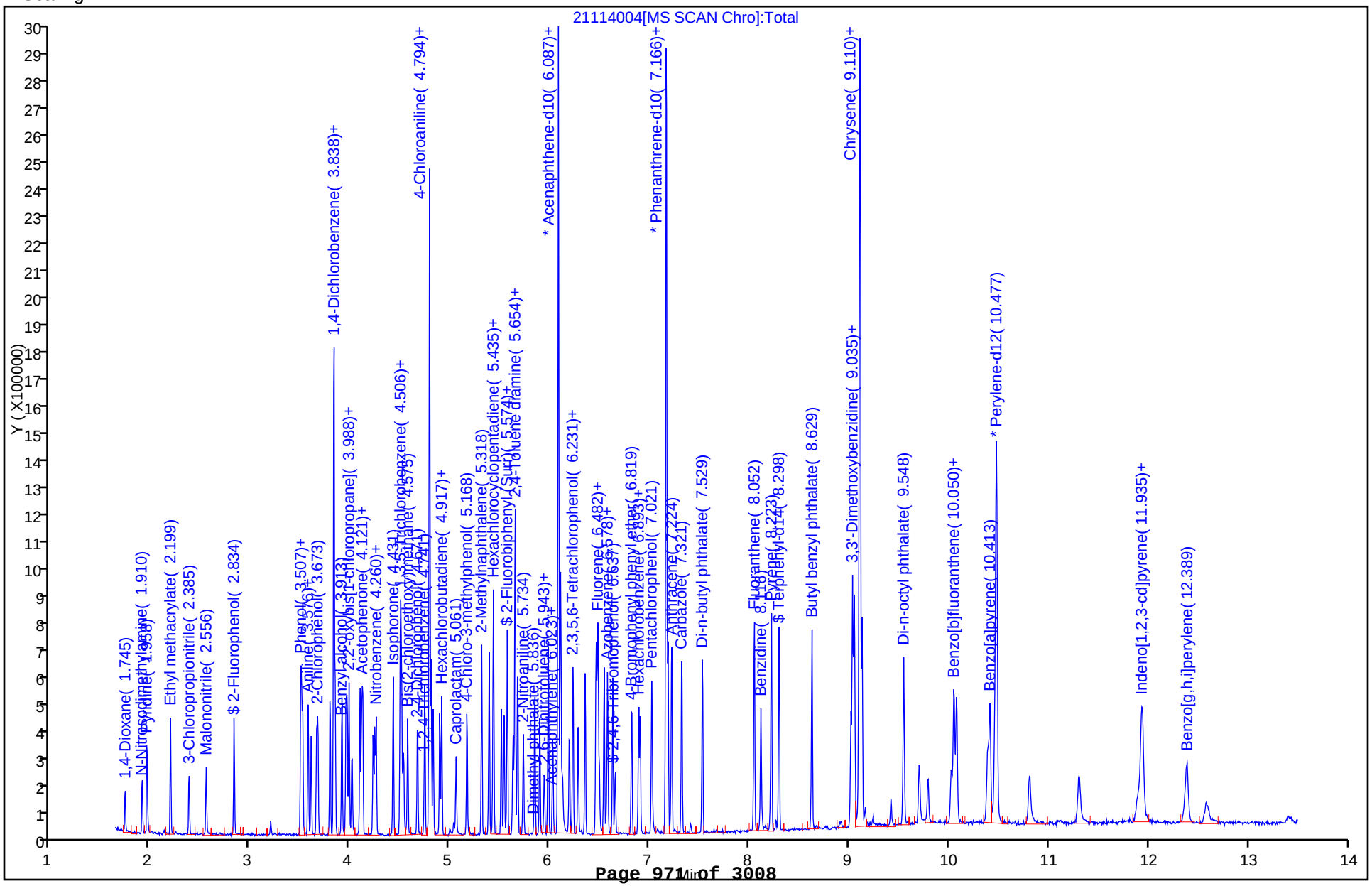
Report Date: 15-Nov-2012 07:40:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114004.D

Injection Date:	14-Nov-2012 12:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

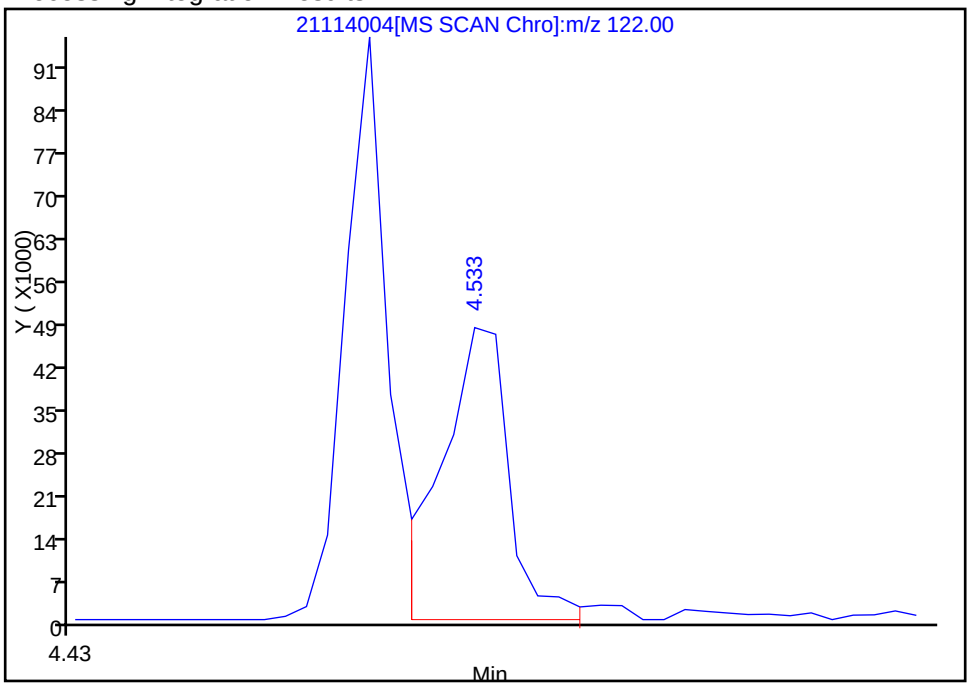
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114004.D		
Injection Date:	14-Nov-2012 12:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 4.57

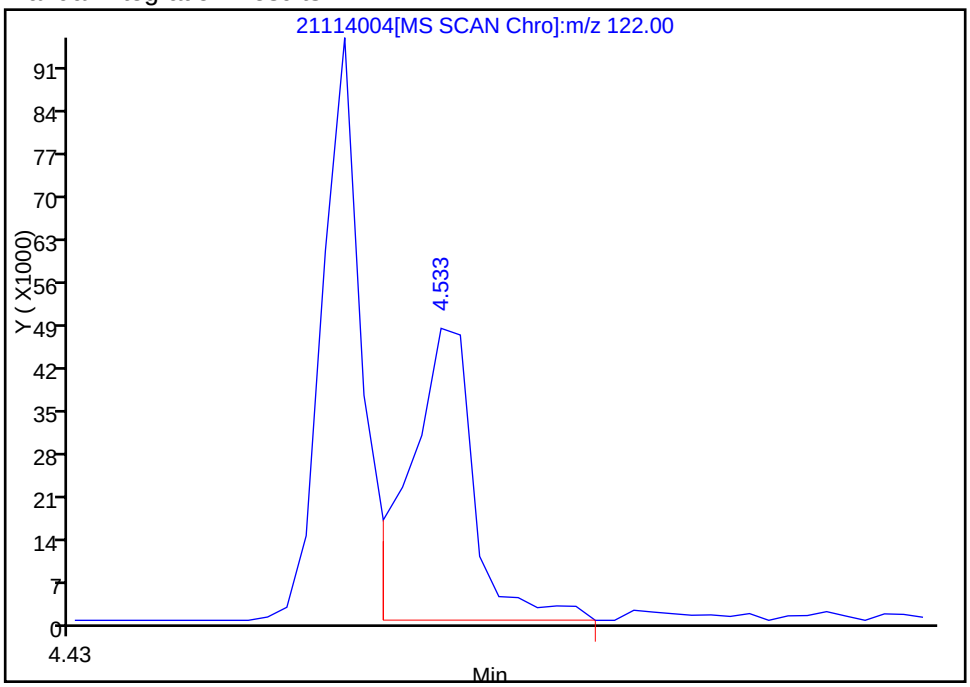
Processing Integration Results

RT: 4.53
Response: 58764
Amount: 1.622596



Manual Integration Results

RT: 4.53
Response: 60138
Amount: 2.109996



Reviewer: ulmanm, 14-Nov-2012 13:04:05
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

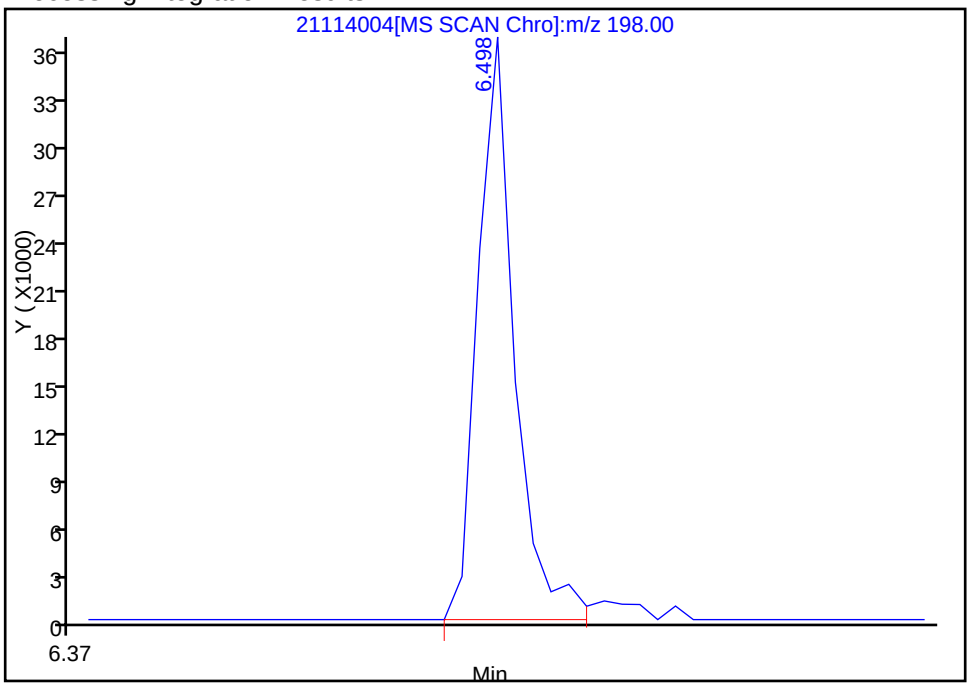
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114004.D		
Injection Date:	14-Nov-2012 12:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

128 4,6-Dinitro-2-methylphenol, Signal: 1, m/z: 198.0 Type: quant, RT: 6.50

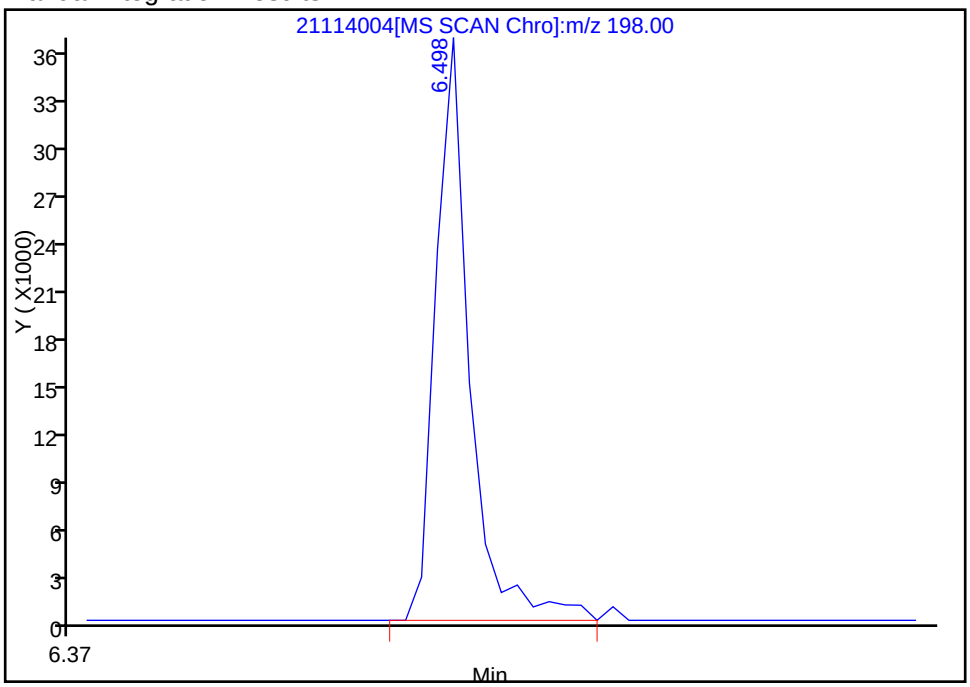
Processing Integration Results

RT: 6.50
Response: 28200
Amount: 0.906908



Manual Integration Results

RT: 6.50
Response: 29196
Amount: 0.861543



Reviewer: ulmanm, 14-Nov-2012 13:04:05
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

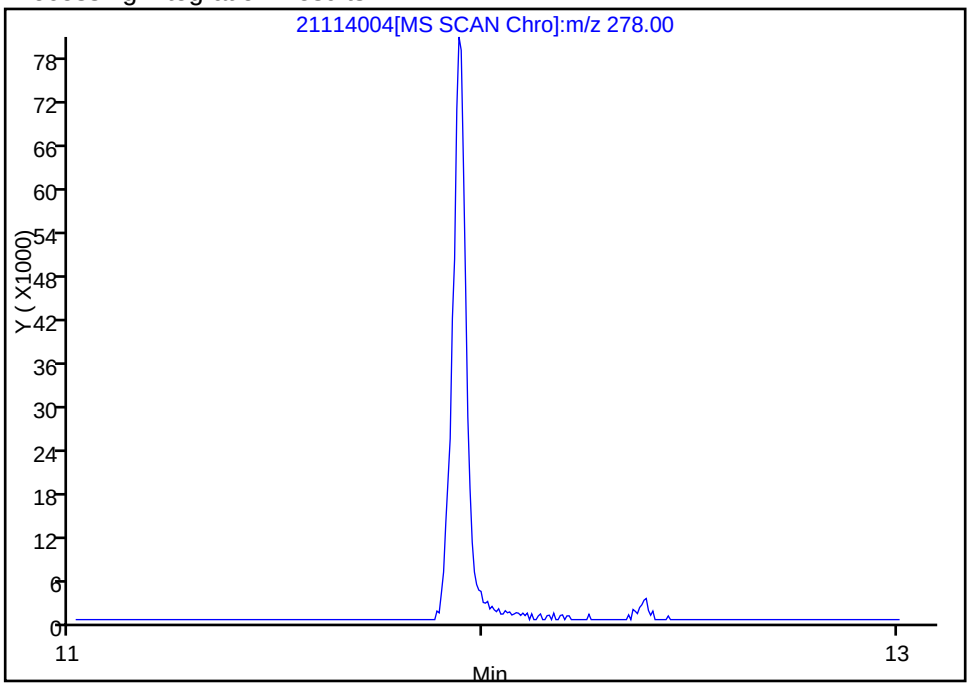
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114004.D		
Injection Date:	14-Nov-2012 12:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.01

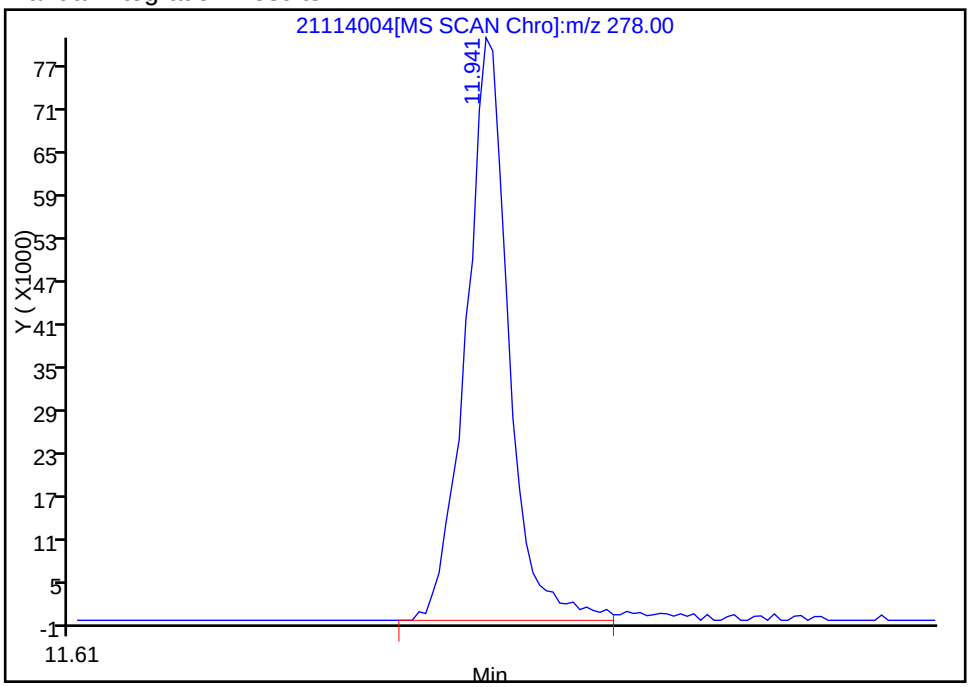
Processing Integration Results

Not Detected
Expected RT: 12.01



Manual Integration Results

RT: 11.94
Response: 190521
Amount: 0.968222



Reviewer: ulmanm, 14-Nov-2012 13:04:05
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114005.D		
Lims ID:	std2 tcl	Client ID:	
Inject. Date:	14-Nov-2012 12:37:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0014932-005		
Misc. Info.:	ICV IND =ICV IND		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	64921	Lims Sample ID:	5
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m		
Last Update:	15-Nov-2012 07:40:20	Calib Date:	14-Nov-2012 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: ulmanm		Date:	14-Nov-2012 13:15:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.835	3.838	-0.003	88	198373	4.00	
* 2 Naphthalene-d8	136	4.796	4.799	-0.003	98	739321	4.00	
* 3 Acenaphthene-d10	164	6.089	6.092	-0.003	75	472735	4.00	
* 4 Phenanthrene-d10	188	7.168	7.171	-0.003	98	835516	4.00	
* 5 Chrysene-d12	240	9.123	9.152	-0.029	79	839931	4.00	
* 6 Perylene-d12	264	10.490	10.525	-0.035	93	675621	4.00	
$ 7 2-Fluorophenol	112	2.836	2.834	0.002	89	36719	0.4945	
$ 8 Phenol-d5	99	3.509	3.512	-0.003	0	50083	0.4719	
$ 9 Nitrobenzene-d5	82	4.246	4.249	-0.003	81	54551	0.4867	
$ 10 2-Fluorobiphenyl (Surr)	172	5.576	5.579	-0.003	97	78696	0.5004	
$ 11 2,4,6-Tribromophenol	330	6.655	6.663	-0.008	58	7773	0.4747	
$ 12 Terphenyl-d14	244	8.300	8.314	-0.014	95	77399	0.4793	
25 1,4-Dioxane	88	1.741	1.739	0.002	84	23008	0.5423	
26 N-Nitrosodimethylamine	74	1.912	1.910	0.002	76	35924	0.5178	
27 Pyridine	79	1.960	1.952	0.008	82	51914	0.4916	
28 Ethyl methacrylate	69	2.195	2.198	-0.003	77	49765	0.5331	
29 3-Chloropropionitrile	54	2.382	2.380	0.002	80	22962	0.5124	
33 Malononitrile	66	2.553	2.556	-0.003	78	56827	0.4986	
41 Benzaldehyde	77	3.504	3.501	0.003	86	47267	0.5635	
43 Phenol	94	3.520	3.523	-0.003	71	55896	0.4862	
44 Aniline	93	3.579	3.581	-0.002	94	72100	0.4976	
69 Bis(2-chloroethyl)ether	93	3.605	3.608	-0.003	89	47136	0.5094	
46 2-Chlorophenol	128	3.675	3.678	-0.003	88	32588	0.4844	
47 1,3-Dichlorobenzene	146	3.798	3.800	-0.002	89	37988	0.4905	
48 1,4-Dichlorobenzene	146	3.851	3.848	0.003	77	37187	0.4896	
49 Benzyl alcohol	108	3.915	3.918	-0.003	85	26906	0.4991	
50 1,2-Dichlorobenzene	146	3.969	3.971	-0.002	74	36222	0.4927	
51 2-Methylphenol	108	3.990	3.987	0.003	72	34722	0.4647	
53 2,2'-oxybis[1-chloropropane]	45	4.017	4.019	-0.002	96	39116	0.4831	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	4.097	4.099	-0.002	85	37605	0.4725	
57 N-Nitrosodi-n-propylamine	70	4.113	4.116	-0.003	66	39601	0.4911	
58 Acetophenone	105	4.123	4.126	-0.003	85	56528	0.4764	
61 Hexachloroethane	117	4.230	4.228	0.002	84	15084	0.4796	
62 Nitrobenzene	77	4.257	4.260	-0.003	80	56926	0.5131	
64 Isophorone	82	4.428	4.436	-0.008	94	99043	0.5072	
66 2-Nitrophenol	139	4.497	4.500	-0.003	75	17302	0.4700	
65 2,4-Dimethylphenol	107	4.508	4.505	0.003	94	45322	0.5036	
67 1,3,5-Trichlorobenzene	180	4.513	4.516	-0.003	87	33511	0.4958	
71 Benzoic acid	122		4.570					
70 Bis(2-chloroethoxy)methane	93	4.577	4.580	-0.003	96	52597	0.5101	
73 2,4-Dichlorophenol	162	4.674	4.676	-0.002	85	26974	0.4818	
74 1,2,4-Trichlorobenzene	180	4.748	4.751	-0.003	84	34703	0.5156	
75 Naphthalene	128	4.812	4.815	-0.003	65	93088	0.4853	
76 4-Chloroaniline	127	4.834	4.831	0.003	79	41029	0.4968	
79 Hexachlorobutadiene	225	4.898	4.901	-0.003	81	20524	0.5127	
80 1,2,3-Trichlorobenzene	180	4.919	4.917	0.002	78	30637	0	
84 Caprolactam	113	5.058	5.082	-0.024	73	12650	0.4889	
86 4-Chloro-3-methylphenol	107	5.170	5.173	-0.003	78	36485	0.4668	
87 2-Methylnaphthalene	142	5.320	5.323	-0.003	87	65102	0.5153	
88 1-Methylnaphthalene	142	5.395	5.397	-0.002	78	57828	0.4826	
90 1,2,3,5-Tetrachlorobenzene	216	5.432	5.435	-0.003	88	37416	0.5284	
89 Hexachlorocyclopentadiene	237	5.437	5.440	-0.003	85	22599	0.4789	
92 2,4,6-Trichlorophenol	196	5.517	5.520	-0.003	78	21205	0.4631	
93 2,4,5-Trichlorophenol	196	5.544	5.547	-0.003	87	23235	0.4742	
97 2,4-Toluene diamine	121	5.630	5.638	-0.008	94	28356	0.5183	
98 1,1'-Biphenyl	154	5.651	5.654	-0.003	91	78183	0.4908	
99 1,2,3,4 -Tetrachlorobenzene	216	5.651	5.659	-0.008	58	34320	0	
100 2-Chloronaphthalene	162	5.678	5.680	-0.002	98	62009	0.4850	
102 2-Nitroaniline	65	5.736	5.739	-0.003	51	25276	0.4632	
105 Dimethyl phthalate	163	5.849	5.857	-0.008	95	75695	0.5037	
107 2,6-Dinitrotoluene	165	5.902	5.905	-0.003	81	16390	0.4746	
108 1,2-Dinitrobenzene	168	5.945	5.953	-0.008	69	7413	0.4259	
109 Acenaphthylene	152	5.987	5.990	-0.003	90	101702	0.5017	
110 3-Nitroaniline	138	6.030	6.038	-0.008	76	16157	0.4540	
111 2,4-Dinitrophenol	184		6.108					
112 Acenaphthene	153	6.110	6.113	-0.003	90	62674	0.5006	
113 4-Nitrophenol	109	6.126	6.129	-0.003	70	11658	0.4504	
114 2,4-Dinitrotoluene	165	6.196	6.204	-0.008	70	21963	0.4701	
116 Dibenzofuran	168	6.233	6.236	-0.003	82	89972	0.4911	
118 2,3,5,6-Tetrachlorophenol	232		6.289					
121 Diethyl phthalate	149	6.356	6.359	-0.003	94	75029	0.5066	
123 4-Chlorophenyl phenyl ether	204	6.463	6.471	-0.008	91	40744	0.5031	
125 4-Nitroaniline	138	6.473	6.482	-0.009	75	16644	0.4357	
126 Fluorene	166	6.484	6.487	-0.003	67	74886	0.4834	
128 4,6-Dinitro-2-methylphenol	198	6.500	6.503	-0.003	63	12114	0.3833	M
131 N-Nitrosodiphenylamine	169	6.548	6.551	-0.003	97	59634	0.5160	
133 Azobenzene	77	6.580	6.583	-0.003	96	104116	0.4891	
132 1,2-Diphenylhydrazine	77	6.580	6.583	-0.003	97	104116	0.4891	
139 4-Bromophenyl phenyl ether	248	6.821	6.823	-0.002	67	20226	0.4782	
141 Hexachlorobenzene	284	6.890	6.898	-0.008	78	19224	0.4754	
142 Atrazine	200	6.906	6.914	-0.008	84	20464	0.5122	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.024	7.026	-0.002	79	21263	0.7315	
148 Phenanthrene	178	7.184	7.192	-0.008	94	110048	0.4927	
149 Anthracene	178	7.221	7.229	-0.008	86	113653	0.4929	
151 Carbazole	167	7.323	7.331	-0.008	83	96941	0.4781	
154 Di-n-butyl phthalate	149	7.531	7.534	-0.003	100	129343	0.5118	
159 Fluoranthene	202	8.049	8.063	-0.014	98	122997	0.4701	
160 Benzidine	184	8.119	8.127	-0.008	94	62479	0.4360	
161 Pyrene	202	8.225	8.233	-0.008	94	127178	0.4765	
168 Butyl benzyl phthalate	149	8.631	8.655	-0.024	91	55556	0.4846	
172 3,3'-Dimethoxybenzidine	244	9.032	9.056	-0.024	76	27181	0.4084	
173 Bis(2-ethylhexyl) phthalate	149	9.043	9.072	-0.029	94	82838	0.5144	
174 4,4'-Methylene bis(2-chloroanili	231	9.059	9.088	-0.029	67	23145	0.4615	
175 3,3'-Dichlorobenzidine	252	9.064	9.093	-0.029	53	45112	0.4900	
177 Benzo[a]anthracene	228	9.112	9.141	-0.029	83	129687	0.4918	
178 Chrysene	228	9.139	9.174	-0.035	90	114489	0.4871	
180 Di-n-octyl phthalate	149	9.561	9.595	-0.034	99	128472	0.4701	
182 Benzo[b]fluoranthene	252	10.063	10.103	-0.040	75	109322	0.4369	
183 Benzo[k]fluoranthene	252	10.089	10.130	-0.041	84	125787	0.5476	
184 Benzo[a]pyrene	252	10.426	10.466	-0.040	56	100288	0.4616	
188 Indeno[1,2,3-cd]pyrene	276	11.948	12.004	-0.056	92	104835	0.4668	
189 Dibenz(a,h)anthracene	278	11.959	12.010	-0.051	25	87752	0.4675	
190 Benzo[g,h,i]perylene	276	12.397	12.458	-0.061	73	88685	0.4695	
S 191 Methyl Phenols,Total	100				0		0.9372	

QC Flag Legend

Review Flags
M - Manually Integrated

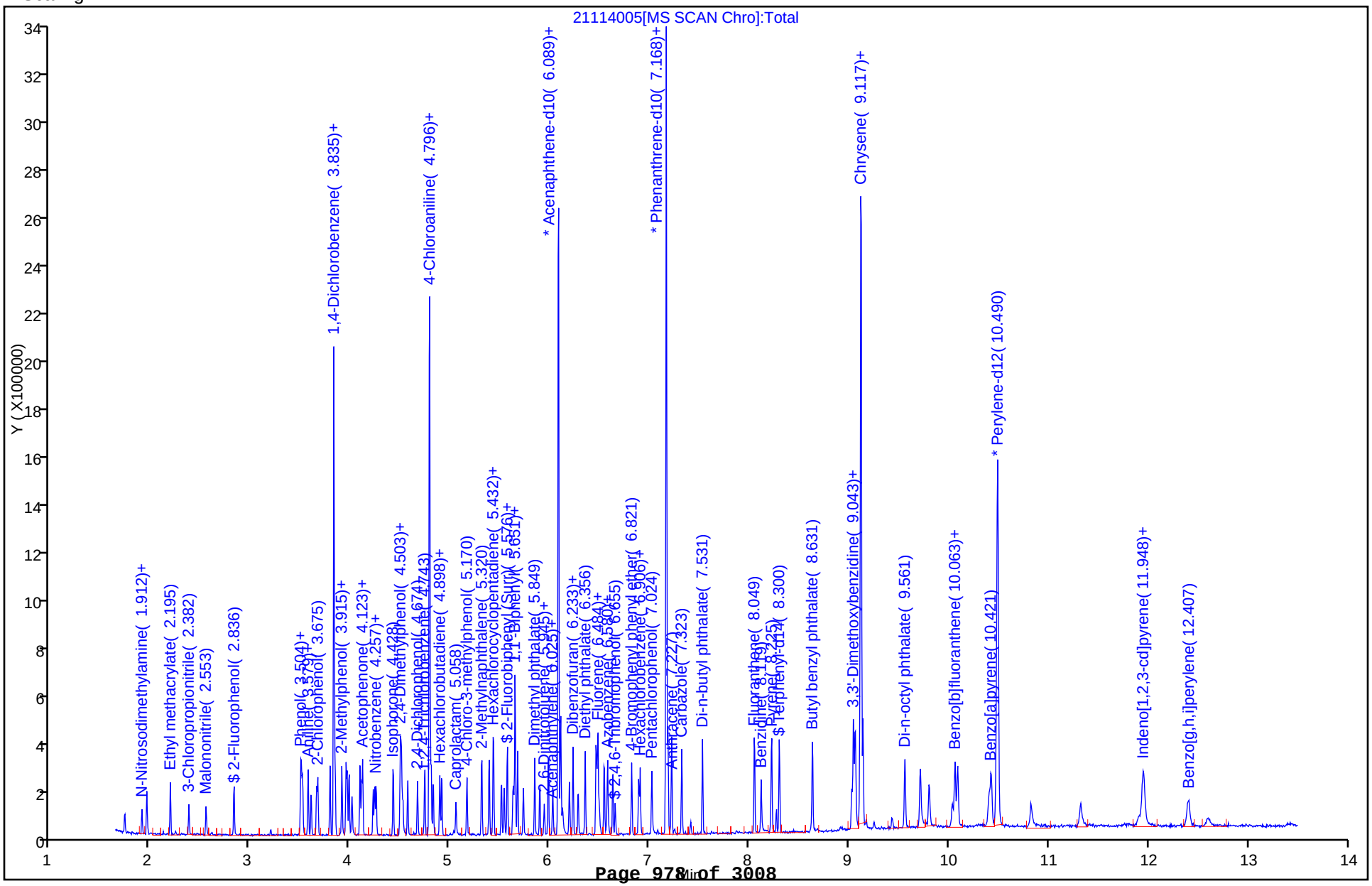
Report Date: 15-Nov-2012 07:40:20 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114005.D

Injection Date:	14-Nov-2012 12:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

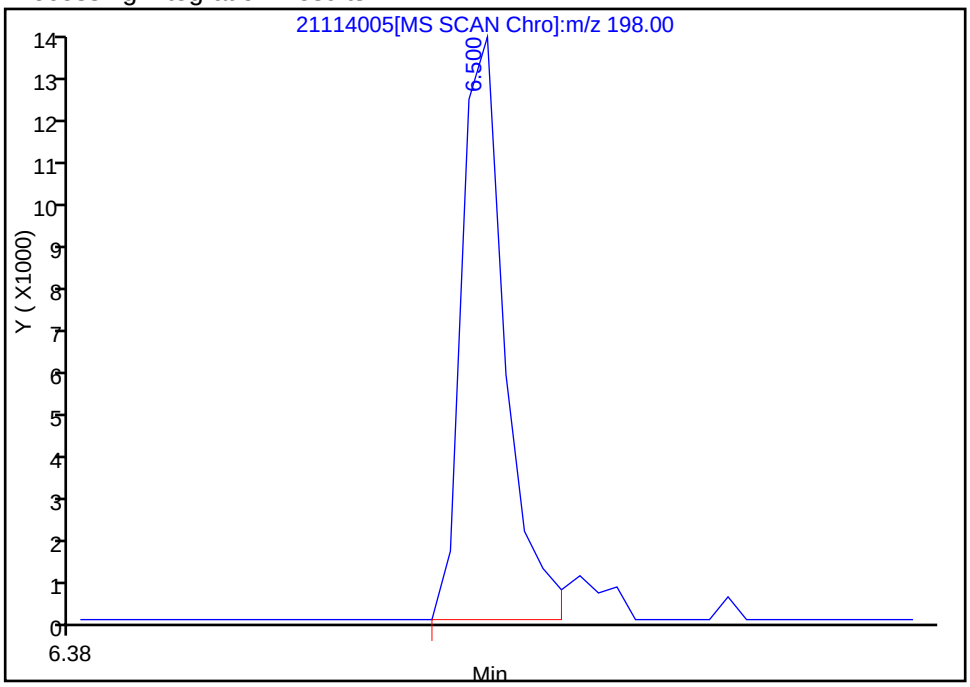
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114005.D		
Injection Date:	14-Nov-2012 12:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

128 4,6-Dinitro-2-methylphenol, Signal: 1, m/z: 198.0 Type: quant, RT: 6.50

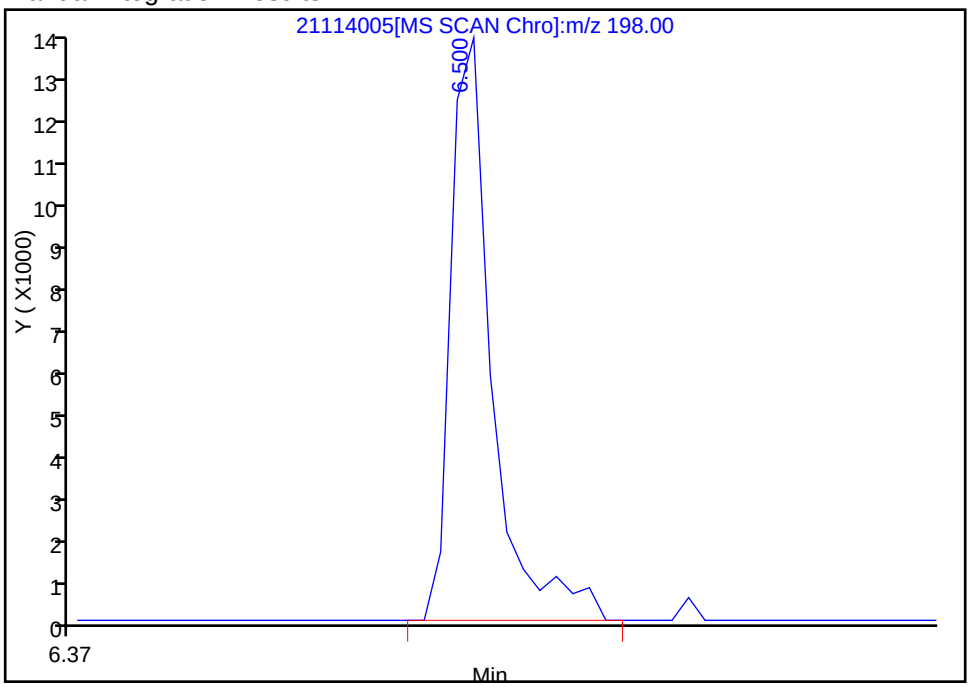
Processing Integration Results

RT: 6.50
Response: 11373
Amount: 0.411023



Manual Integration Results

RT: 6.50
Response: 12114
Amount: 0.383270



Reviewer: ulmanm, 14-Nov-2012 13:15:17
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114006.D		
Lims ID:	std1 tcl	Client ID:	
Inject. Date:	14-Nov-2012 12:56:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014932-006		
Misc. Info.:	ICV IND =ICV IND		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	64921	Lims Sample ID:	6
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m		
Last Update:	15-Nov-2012 07:40:21	Calib Date:	14-Nov-2012 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: ulmanm		Date:	14-Nov-2012 13:28:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.0	86	206762	4.00	
* 2 Naphthalene-d8	136	4.794	4.799	-0.005	99	792850	4.00	
* 3 Acenaphthene-d10	164	6.086	6.092	-0.006	76	505992	4.00	
* 4 Phenanthrene-d10	188	7.170	7.171	-0.001	98	906784	4.00	
* 5 Chrysene-d12	240	9.120	9.152	-0.032	77	905221	4.00	
* 6 Perylene-d12	264	10.487	10.525	-0.038	93	731941	4.00	
$ 9 Nitrobenzene-d5	82	4.243	4.249	-0.006	58	12417	0.1033	
$ 10 2-Fluorobiphenyl (Surr)	172	5.573	5.579	-0.006	82	16512	0.0981	
$ 12 Terphenyl-d14	244	8.303	8.314	-0.011	66	17919	0.1030	
41 Benzaldehyde	77	3.506	3.501	0.005	79	9440	0.1080	
75 Naphthalene	128	4.810	4.815	-0.005	67	20470	0.0995	
87 2-Methylnaphthalene	142	5.317	5.323	-0.006	71	12022	0.0887	
88 1-Methylnaphthalene	142	5.392	5.397	-0.005	62	11643	0.0906	
98 1,1'-Biphenyl	154	5.654	5.654	0.0	74	17424	0.1022	
100 2-Chloronaphthalene	162	5.680	5.680	0.0	80	14250	0.1041	
109 Acenaphthylene	152	5.985	5.990	-0.005	79	20852	0.0961	
112 Acenaphthene	153	6.113	6.113	0.0	76	12526	0.0935	
116 Dibenzofuran	168	6.230	6.236	-0.006	79	20033	0.1022	
126 Fluorene	166	6.481	6.487	-0.006	76	17881	0.1078	
141 Hexachlorobenzene	284	6.893	6.898	-0.005	45	4997	0.1139	
148 Phenanthrene	178	7.186	7.192	-0.006	38	26053	0.1075	
149 Anthracene	178	7.224	7.229	-0.005	75	25743	0.1029	
159 Fluoranthene	202	8.052	8.063	-0.011	69	30244	0.1065	
161 Pyrene	202	8.223	8.233	-0.010	93	29578	0.1028	
177 Benzo[a]anthracene	228	9.109	9.141	-0.032	70	30911	0.1088	
178 Chrysene	228	9.141	9.174	-0.033	30	27370	0.1080	M
182 Benzo[b]fluoranthene	252	10.060	10.103	-0.043	70	26185	0.0966	
183 Benzo[k]fluoranthene	252	10.087	10.130	-0.043	67	25311	0.1017	
184 Benzo[a]pyrene	252	10.423	10.466	-0.043	42	23354	0.0992	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
188 Indeno[1,2,3-cd]pyrene	276	11.945	12.004	-0.059	67	22100	0.0908	
189 Dibenz(a,h)anthracene	278	11.951	12.010	-0.059	18	18421	0.0906	
190 Benzo[g,h,i]perylene	276	12.399	12.458	-0.059	68	20967	0.1025	M

QC Flag Legend

Review Flags
M - Manually Integrated

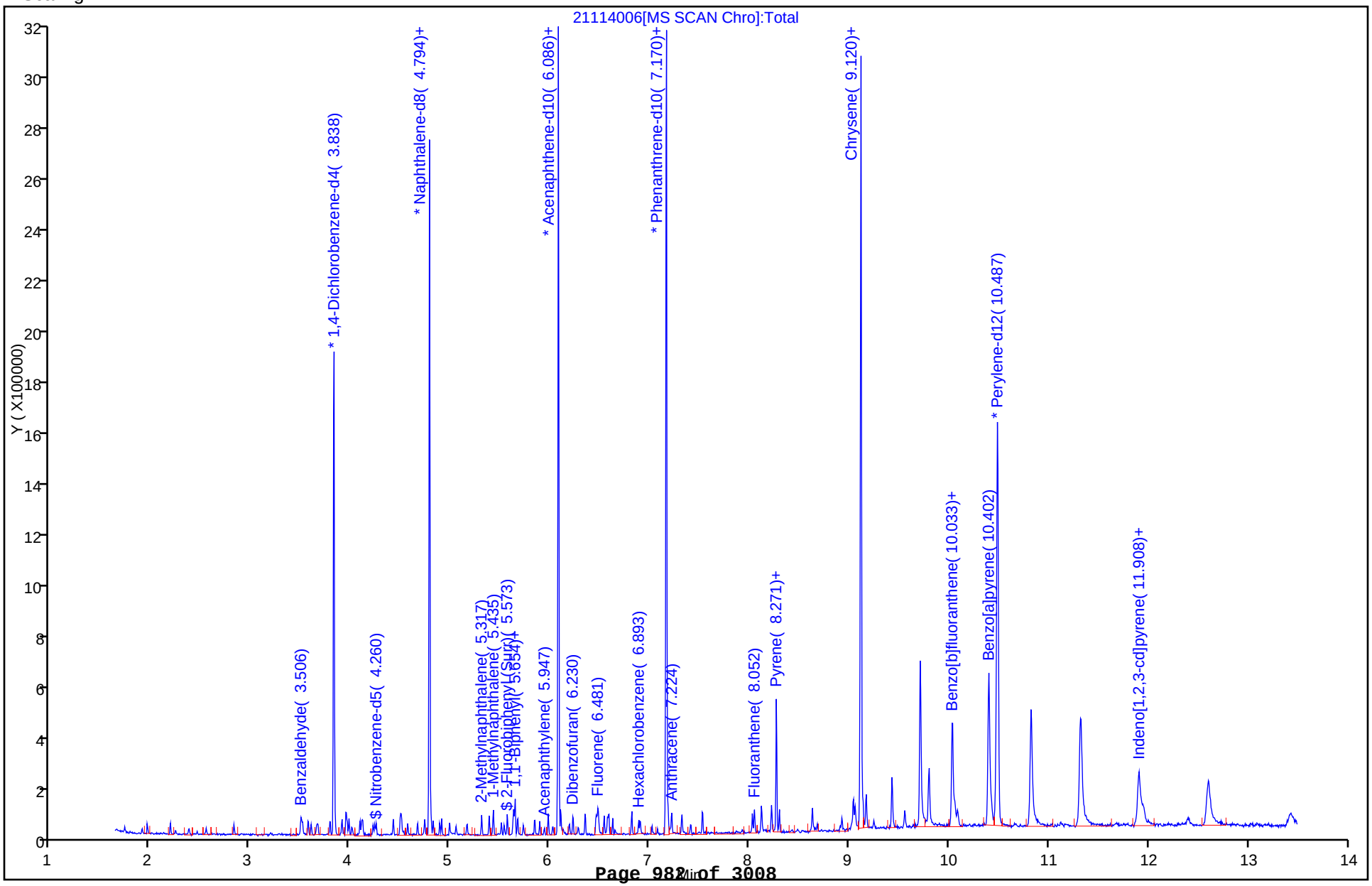
Report Date: 15-Nov-2012 07:40:22 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114006.D

Injection Date:	14-Nov-2012 12:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

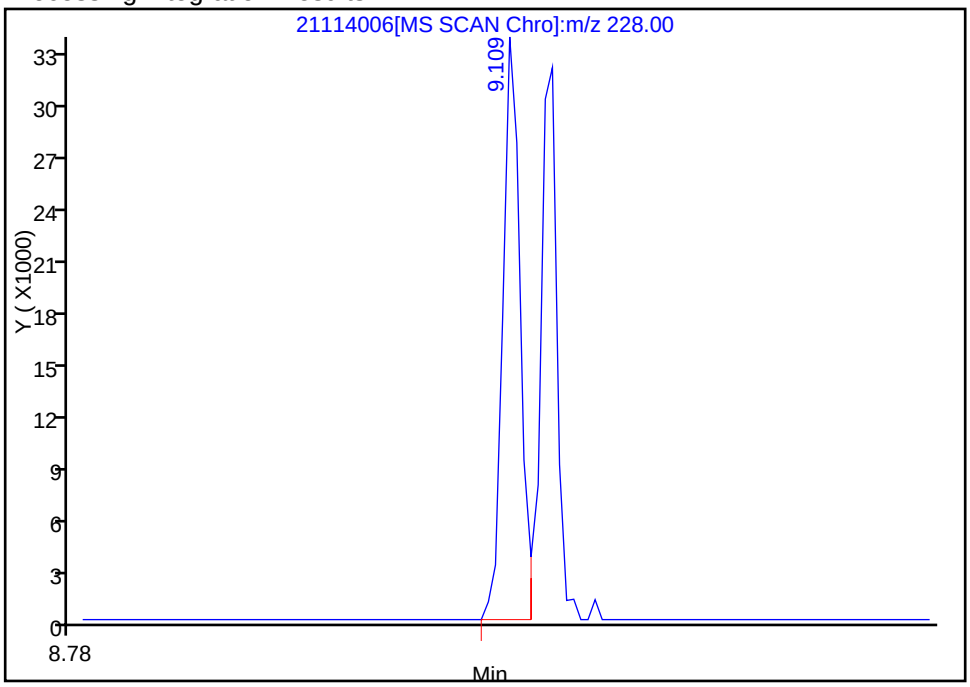
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114006.D		
Injection Date:	14-Nov-2012 12:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

178 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 9.17

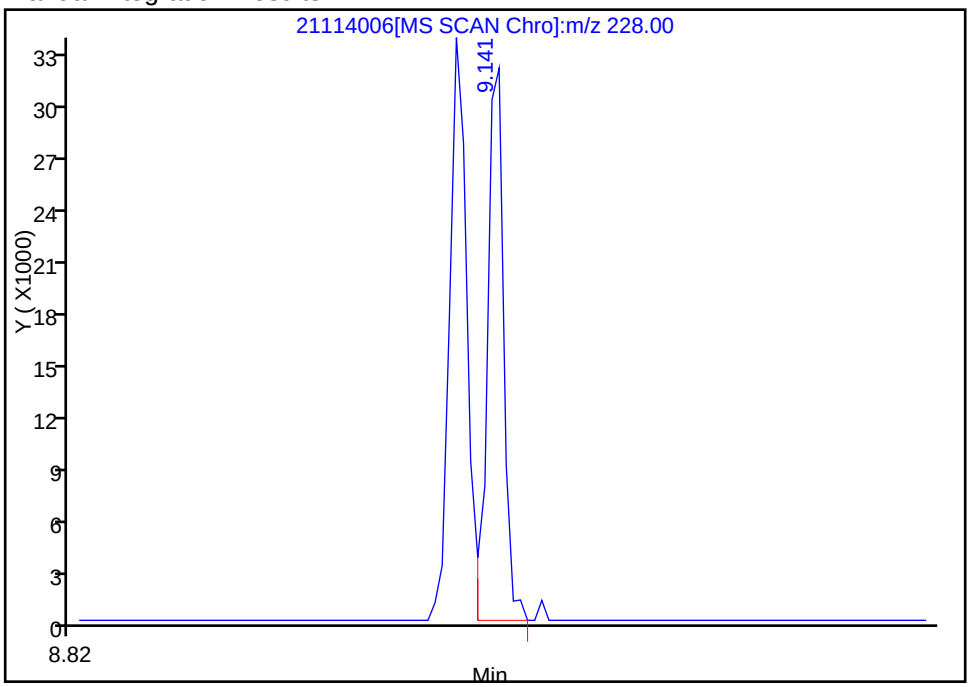
Processing Integration Results

RT: 9.11
Response: 30911
Amount: 0.119791



Manual Integration Results

RT: 9.14
Response: 27370
Amount: 0.108043



Reviewer: ulmanm, 14-Nov-2012 13:28:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

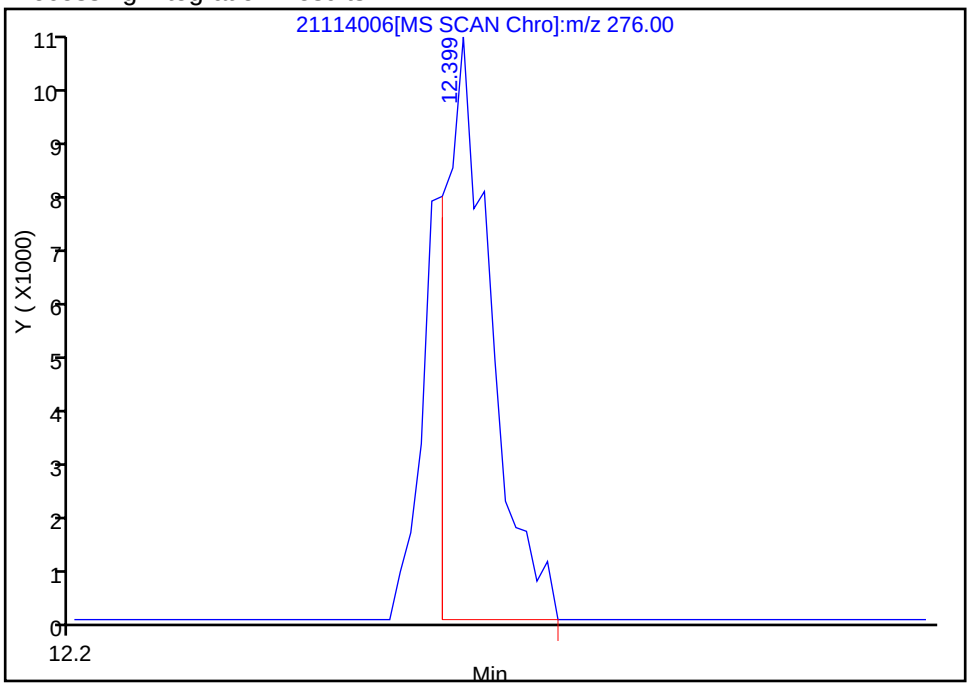
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114006.D		
Injection Date:	14-Nov-2012 12:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.46

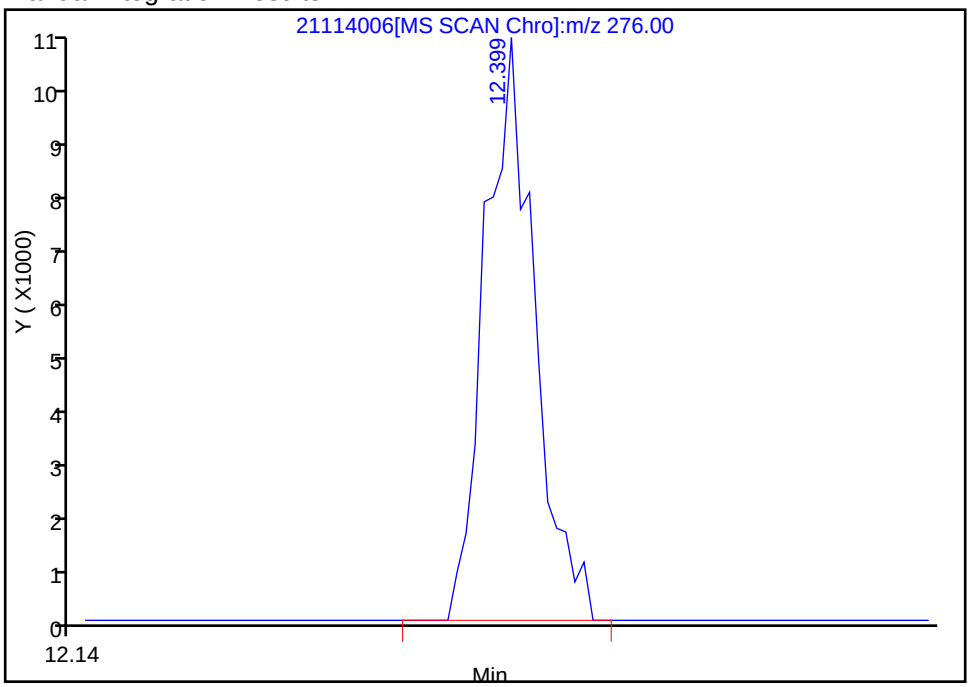
Processing Integration Results

RT: 12.40
Response: 16814
Amount: 0.087511



Manual Integration Results

RT: 12.40
Response: 20967
Amount: 0.102462



Reviewer: ulmanm, 14-Nov-2012 13:28:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114007.D		
Lims ID:	std9 tcl	Client ID:	
Inject. Date:	14-Nov-2012 13:15:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	240-0014932-007		
Misc. Info.:	ICV IND =ICV IND		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	64921	Lims Sample ID:	7
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m		
Last Update:	15-Nov-2012 07:40:23	Calib Date:	14-Nov-2012 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: ulmanm		Date:	14-Nov-2012 14:03:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.841	3.838	0.003	90	183412	4.00	
* 2 Naphthalene-d8	136	4.802	4.799	0.003	99	713691	4.00	
* 3 Acenaphthene-d10	164	6.095	6.092	0.003	79	471487	4.00	
* 4 Phenanthrene-d10	188	7.174	7.171	0.003	97	847962	4.00	
* 5 Chrysene-d12	240	9.129	9.152	-0.023	79	860990	4.00	
* 6 Perylene-d12	264	10.491	10.525	-0.035	90	684051	4.00	
$ 7 2-Fluorophenol	112	2.837	2.834	0.003	93	1725126	25.1	
$ 8 Phenol-d5	99	3.526	3.512	0.014	0	2554181	26.0	
$ 9 Nitrobenzene-d5	82	4.257	4.249	0.008	82	2647672	24.5	
$ 10 2-Fluorobiphenyl (Surr)	172	5.582	5.579	0.003	98	4081766	26.0	
$ 11 2,4,6-Tribromophenol	330	6.666	6.663	0.003	79	439298	26.9	
$ 12 Terphenyl-d14	244	8.306	8.314	-0.008	97	4333185	26.2	
25 1,4-Dioxane	88	1.731	1.739	-0.008	78	941226	24.0	
26 N-Nitrosodimethylamine	74	1.913	1.910	0.003	81	1585723	24.7	
27 Pyridine	79	1.950	1.952	-0.002	92	2460081	25.2	
28 Ethyl methacrylate	69	2.196	2.198	-0.002	79	2087051	24.2	
29 3-Chloropropionitrile	54	2.388	2.380	0.008	84	1031492	24.9	
33 Malononitrile	66	2.570	2.556	0.014	78	2490105	23.6	
41 Benzaldehyde	77		3.501					
43 Phenol	94	3.536	3.523	0.013	92	2756941	25.9	
44 Aniline	93	3.590	3.581	0.009	83	3553631	26.5	
69 Bis(2-chloroethyl)ether	93	3.617	3.608	0.009	93	2158786	25.2	
46 2-Chlorophenol	128	3.686	3.678	0.008	94	1615132	26.0	
47 1,3-Dichlorobenzene	146	3.804	3.800	0.004	85	1826854	25.5	
48 1,4-Dichlorobenzene	146	3.852	3.848	0.004	86	1786190	25.4	
49 Benzyl alcohol	108	3.926	3.918	0.008	85	1298623	26.1	
50 1,2-Dichlorobenzene	146	3.974	3.971	0.003	83	1712518	25.2	
51 2-Methylphenol	108	3.996	3.987	0.009	95	1793702	26.0	
53 2,2'-oxybis[1-chloropropane]	45	4.022	4.019	0.003	98	1936691	25.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	4.119	4.099	0.020	93	1936921	26.3	
57 N-Nitrosodi-n-propylamine	70	4.135	4.116	0.019	69	1880888	25.2	
58 Acetophenone	105	4.135	4.126	0.009	88	2856149	26.0	
61 Hexachloroethane	117	4.231	4.228	0.003	91	723250	24.9	
62 Nitrobenzene	77	4.268	4.260	0.008	75	2704863	25.3	
64 Isophorone	82	4.444	4.436	0.008	94	4863428	25.8	
66 2-Nitrophenol	139	4.509	4.500	0.009	85	935805	26.3	
65 2,4-Dimethylphenol	107	4.514	4.505	0.009	97	2168785	25.0	
67 1,3,5-Trichlorobenzene	180	4.519	4.516	0.003	86	1704867	26.1	
71 Benzoic acid	122	4.653	4.570	0.083	50	2452486	49.8	M
70 Bis(2-chloroethoxy)methane	93	4.583	4.580	0.003	98	2539583	25.5	
73 2,4-Dichlorophenol	162	4.685	4.676	0.009	97	1427673	26.4	
74 1,2,4-Trichlorobenzene	180	4.754	4.751	0.003	87	1647841	25.4	
75 Naphthalene	128	4.818	4.815	0.003	97	4854263	26.2	
76 4-Chloroaniline	127	4.840	4.831	0.009	81	2120925	26.6	
79 Hexachlorobutadiene	225	4.904	4.901	0.003	85	974006	25.2	
80 1,2,3-Trichlorobenzene	180	4.925	4.917	0.008	84	1545642	0	
84 Caprolactam	113	5.123	5.082	0.041	79	643432	25.8	
86 4-Chloro-3-methylphenol	107	5.187	5.173	0.014	80	1982460	26.3	
87 2-Methylnaphthalene	142	5.326	5.323	0.003	85	3258872	26.7	
88 1-Methylnaphthalene	142	5.400	5.397	0.003	81	3102099	26.8	
90 1,2,3,5-Tetrachlorobenzene	216	5.443	5.435	0.008	92	1840469	26.1	
89 Hexachlorocyclopentadiene	237	5.443	5.440	0.003	78	1230798	26.1	
92 2,4,6-Trichlorophenol	196	5.523	5.520	0.003	86	1212748	26.6	
93 2,4,5-Trichlorophenol	196	5.555	5.547	0.008	93	1263260	25.8	
97 2,4-Toluene diamine	121		5.638					
98 1,1'-Biphenyl	154	5.662	5.654	0.008	95	4161613	26.2	
99 1,2,3,4 -Tetrachlorobenzene	216	5.662	5.659	0.003	91	1738114	0	
100 2-Chloronaphthalene	162	5.689	5.680	0.009	95	3319930	26.0	
102 2-Nitroaniline	65	5.748	5.739	0.009	72	1407189	25.9	
105 Dimethyl phthalate	163	5.865	5.857	0.008	96	3879515	25.9	
107 2,6-Dinitrotoluene	165	5.913	5.905	0.008	84	921564	26.8	
108 1,2-Dinitrobenzene	168	5.967	5.953	0.014	80	464517	26.8	
109 Acenaphthylene	152	5.993	5.990	0.003	84	5384784	26.6	
110 3-Nitroaniline	138	6.047	6.038	0.009	84	917743	25.9	
111 2,4-Dinitrophenol	184	6.122	6.108	0.014	70	1590032	49.7	
112 Acenaphthene	153	6.122	6.113	0.009	94	3333668	26.7	
113 4-Nitrophenol	109	6.148	6.129	0.019	86	709468	27.5	
114 2,4-Dinitrotoluene	165	6.212	6.204	0.008	84	1230894	26.4	
116 Dibenzofuran	168	6.244	6.236	0.008	78	4776084	26.1	
118 2,3,5,6-Tetrachlorophenol	232	6.292	6.289	0.003	86	1069620	27.0	
121 Diethyl phthalate	149	6.367	6.359	0.008	96	3821696	25.9	
123 4-Chlorophenyl phenyl ether	204	6.474	6.471	0.003	83	2149243	26.6	
125 4-Nitroaniline	138	6.495	6.482	0.013	63	1024063	26.9	
126 Fluorene	166	6.495	6.487	0.008	82	4071862	26.4	
128 4,6-Dinitro-2-methylphenol	198	6.517	6.503	0.014	77	925527	28.9	
131 N-Nitrosodiphenylamine	169	6.559	6.551	0.008	95	3106564	26.5	
133 Azobenzene	77	6.592	6.583	0.009	96	5650875	26.2	
132 1,2-Diphenylhydrazine	77	6.592	6.583	0.009	98	5650974	26.2	
139 4-Bromophenyl phenyl ether	248	6.832	6.823	0.009	64	1139405	26.5	
141 Hexachlorobenzene	284	6.901	6.898	0.003	86	1032094	25.1	
142 Atrazine	200		6.914					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.035	7.026	0.009	84	1729849	58.6	
148 Phenanthrene	178	7.195	7.192	0.003	86	5991808	26.4	
149 Anthracene	178	7.232	7.229	0.003	87	6096679	26.1	
151 Carbazole	167	7.334	7.331	0.003	82	5446003	26.5	
154 Di-n-butyl phthalate	149	7.537	7.534	0.003	100	6144634	24.0	
159 Fluoranthene	202	8.060	8.063	-0.003	99	6843727	25.8	
160 Benzidine	184	8.130	8.127	0.003	99	3785464	25.8	
161 Pyrene	202	8.231	8.233	-0.002	94	7003441	25.6	
168 Butyl benzyl phthalate	149	8.637	8.655	-0.018	93	3032617	25.8	
172 3,3'-Dimethoxybenzidine	244	9.038	9.056	-0.018	81	1838215	26.9	
173 Bis(2-ethylhexyl) phthalate	149	9.043	9.072	-0.029	95	4152624	25.2	
174 4,4'-Methylene bis(2-chloroanili	231	9.070	9.088	-0.018	86	1344684	26.2	
175 3,3'-Dichlorobenzidine	252	9.075	9.093	-0.018	64	2468605	26.2	
177 Benzo[a]anthracene	228	9.118	9.141	-0.023	88	7113494	26.3	
178 Chrysene	228	9.150	9.174	-0.024	93	6069885	25.2	
180 Di-n-octyl phthalate	149	9.561	9.595	-0.034	98	7500707	27.1	
182 Benzo[b]fluoranthene	252	10.079	10.103	-0.024	86	6994159	27.6	
183 Benzo[k]fluoranthene	252	10.106	10.130	-0.024	86	6007953	25.8	
184 Benzo[a]pyrene	252	10.442	10.466	-0.024	73	5951464	27.1	
188 Indeno[1,2,3-cd]pyrene	276	12.007	12.004	0.003	86	6361761	28.0	
189 Dibenz(a,h)anthracene	278	12.002	12.010	-0.008	70	5310553	27.9	
190 Benzo[g,h,i]perylene	276	12.451	12.458	-0.007	93	5175654	27.1	
S 191 Methyl Phenols,Total	100				0		52.3	

QC Flag Legend

Review Flags
M - Manually Integrated

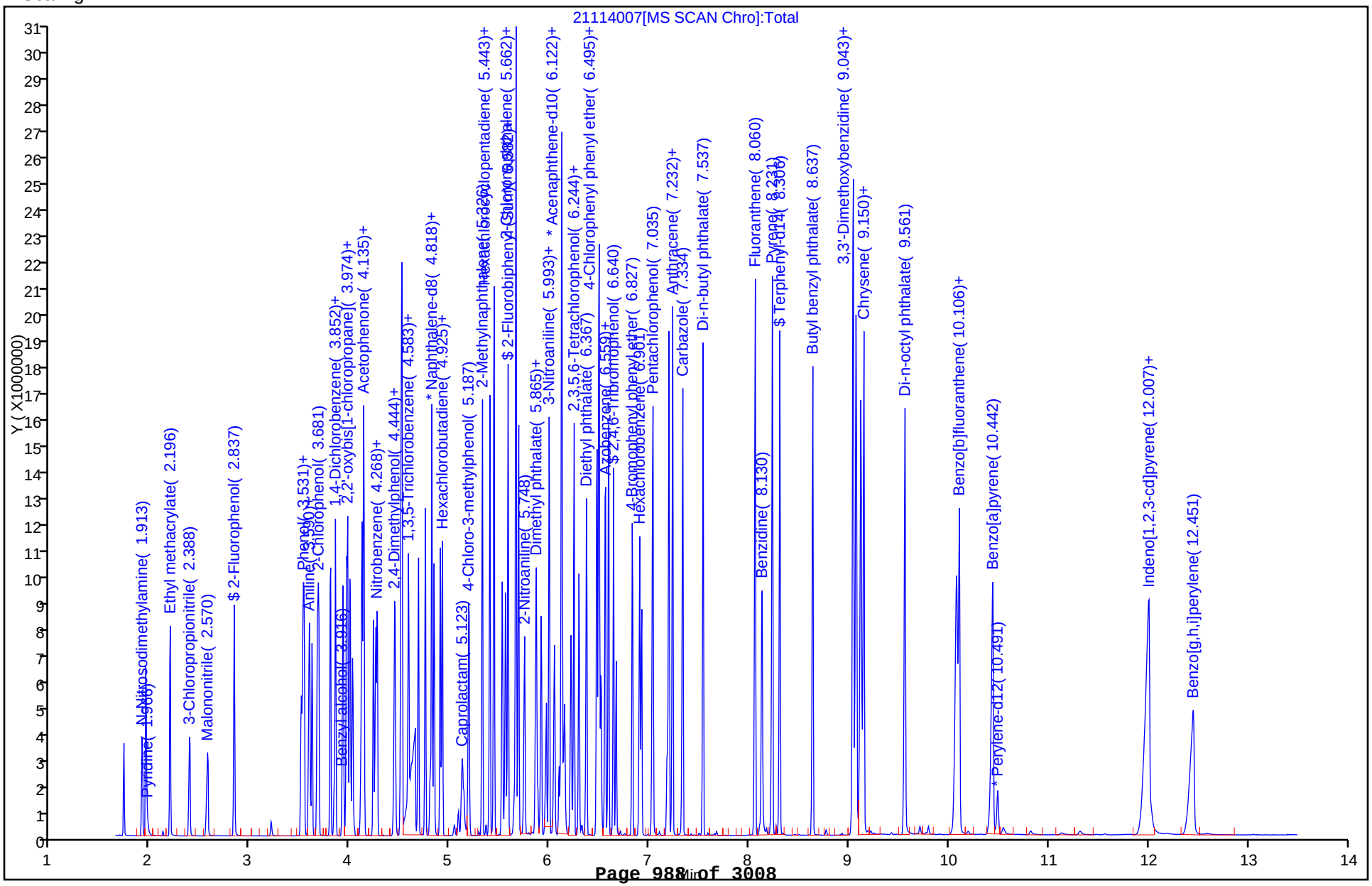
Report Date: 15-Nov-2012 07:40:23 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114007.D

Injection Date:	14-Nov-2012 13:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

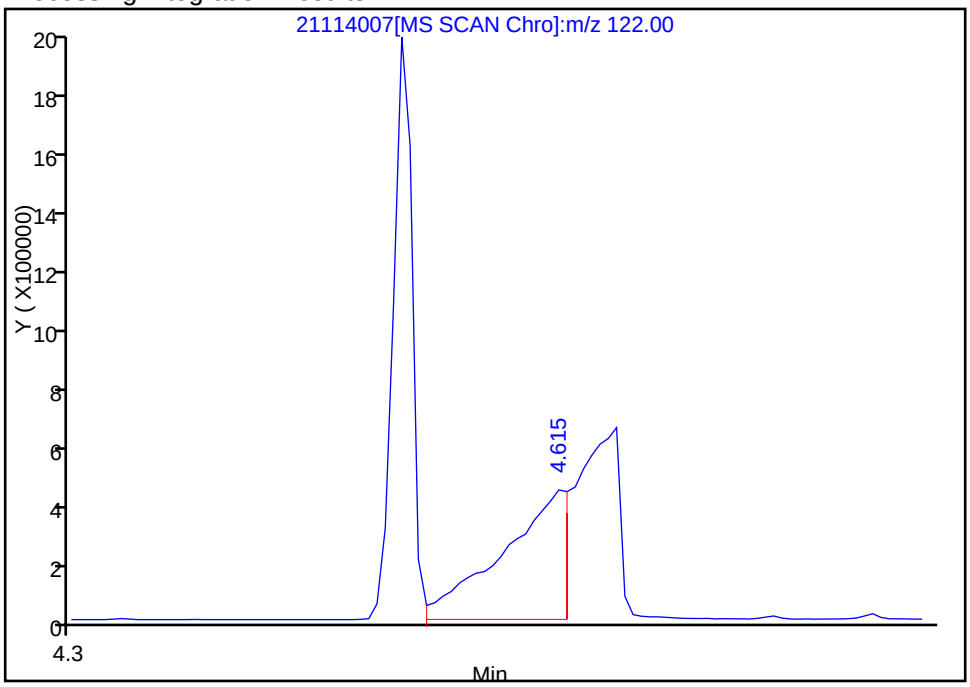
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114007.D		
Injection Date:	14-Nov-2012 13:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 4.57

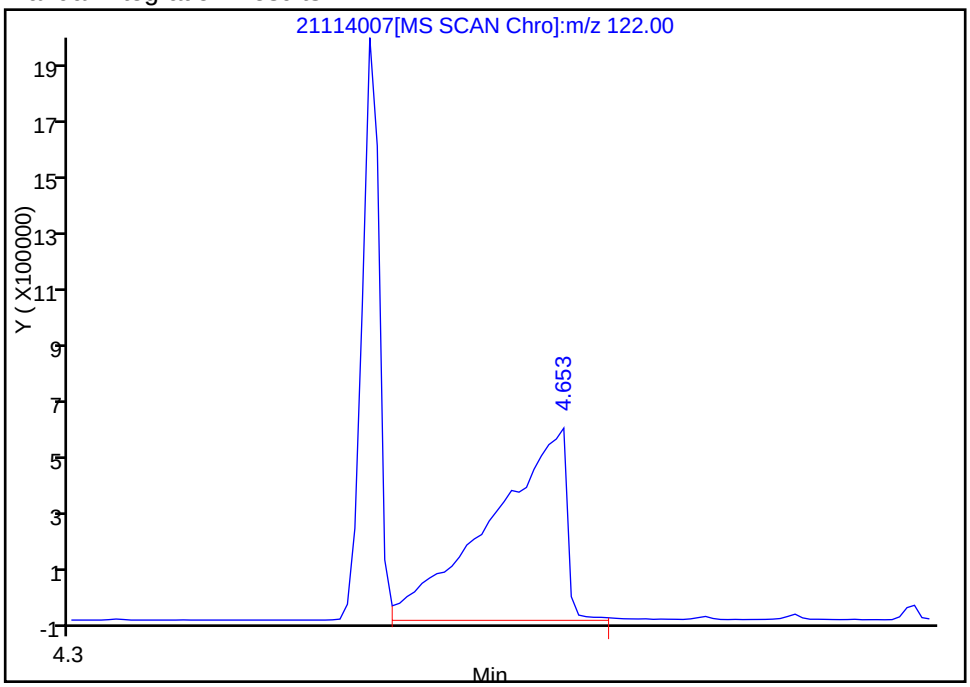
Processing Integration Results

RT: 4.62
Response: 1305929
Amount: 41.231570



Manual Integration Results

RT: 4.65
Response: 2452486
Amount: 49.763902



Reviewer: ulmanm, 14-Nov-2012 14:03:33
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114008.D
Lims ID: std8 tcl
Client ID:
Inject. Date: 14-Nov-2012 13:34:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 8
Sample ID: 240-0014932-008
Misc. Info.: STD8 TCL =STD8 TCL
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 8
Lims Batch ID: 64921
Lims Sample ID: 8
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m
Last Update: 15-Nov-2012 07:40:24
Calib Date: 14-Nov-2012 14:12:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: ulmanm
Date: 14-Nov-2012 14:11:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.0	93	172515	4.00	
* 2 Naphthalene-d8	136	4.799	4.799	0.0	99	669140	4.00	
* 3 Acenaphthene-d10	164	6.092	6.092	0.0	78	441596	4.00	
* 4 Phenanthrene-d10	188	7.171	7.171	0.0	96	800499	4.00	
* 5 Chrysene-d12	240	9.115	9.152	-0.037	78	806509	4.00	
* 6 Perylene-d12	264	10.477	10.525	-0.048	93	668724	4.00	
$ 7 2-Fluorophenol	112	2.839	2.834	0.005	94	1372448	21.3	
$ 8 Phenol-d5	99	3.523	3.512	0.011	0	1978728	21.4	
$ 9 Nitrobenzene-d5	82	4.255	4.249	0.006	84	2149336	21.2	
$ 10 2-Fluorobiphenyl (Surr)	172	5.579	5.579	0.0	99	3084538	21.0	
$ 11 2,4,6-Tribromophenol	330	6.664	6.663	0.001	80	333162	21.8	
$ 12 Terphenyl-d14	244	8.303	8.314	-0.011	97	3253950	21.0	
25 1,4-Dioxane	88	1.739	1.739	0.0	80	776127	21.0	
26 N-Nitrosodimethylamine	74	1.921	1.910	0.011	81	1257512	20.8	
27 Pyridine	79	1.958	1.952	0.006	92	1945174	21.2	
28 Ethyl methacrylate	69	2.198	2.198	0.0	80	1682820	20.7	
29 3-Chloropropionitrile	54	2.391	2.380	0.011	82	811597	20.8	
33 Malononitrile	66	2.572	2.556	0.016	78	1992150	20.1	
41 Benzaldehyde	77		3.501					
43 Phenol	94	3.534	3.523	0.011	93	2139223	21.4	
44 Aniline	93	3.587	3.581	0.006	94	2688278	21.3	
69 Bis(2-chloroethyl)ether	93	3.614	3.608	0.006	92	1649821	20.5	
46 2-Chlorophenol	128	3.683	3.678	0.005	93	1230822	21.0	
47 1,3-Dichlorobenzene	146	3.801	3.800	0.001	84	1399286	20.8	
48 1,4-Dichlorobenzene	146	3.854	3.848	0.006	88	1405722	21.3	
49 Benzyl alcohol	108	3.929	3.918	0.011	85	998382	21.3	
50 1,2-Dichlorobenzene	146	3.972	3.971	0.001	88	1340077	21.0	
51 2-Methylphenol	108	3.998	3.987	0.011	93	1394450	21.5	
53 2,2'-oxybis[1-chloropropane]	45	4.020	4.019	0.001	98	1480807	21.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	4.110	4.099	0.011	92	1464290	21.2	
57 N-Nitrosodi-n-propylamine	70	4.127	4.116	0.010	73	1445220	20.6	
58 Acetophenone	105	4.132	4.126	0.006	87	2211229	21.4	
61 Hexachloroethane	117	4.233	4.228	0.005	93	568264	20.8	
62 Nitrobenzene	77	4.265	4.260	0.005	75	2043725	20.4	
64 Isophorone	82	4.442	4.436	0.006	94	3705102	21.0	
66 2-Nitrophenol	139	4.506	4.500	0.006	82	708764	21.3	
65 2,4-Dimethylphenol	107	4.511	4.505	0.006	96	1696581	20.8	
67 1,3,5-Trichlorobenzene	180	4.516	4.516	0.0	88	1290892	21.1	
71 Benzoic acid	122	4.634	4.570	0.064	77	1791537	40.4	
70 Bis(2-chloroethoxy)methane	93	4.580	4.580	0.0	95	1937831	20.8	
73 2,4-Dichlorophenol	162	4.682	4.676	0.006	97	1079178	21.3	
74 1,2,4-Trichlorobenzene	180	4.751	4.751	0.0	88	1270758	20.9	
75 Naphthalene	128	4.816	4.815	0.001	99	3666918	21.1	
76 4-Chloroaniline	127	4.837	4.831	0.006	80	1502350	20.1	
79 Hexachlorobutadiene	225	4.901	4.901	0.0	87	753406	20.8	
80 1,2,3-Trichlorobenzene	180	4.922	4.917	0.005	81	1159977	0	
84 Caprolactam	113	5.115	5.082	0.033	81	507439	21.7	
86 4-Chloro-3-methylphenol	107	5.184	5.173	0.011	79	1525288	21.6	
87 2-Methylnaphthalene	142	5.323	5.323	0.0	85	2446209	21.4	
88 1-Methylnaphthalene	142	5.398	5.397	0.001	79	2323138	21.4	
90 1,2,3,5-Tetrachlorobenzene	216	5.440	5.435	0.005	93	1375680	20.8	
89 Hexachlorocyclopentadiene	237	5.440	5.440	0.0	77	937245	21.3	
92 2,4,6-Trichlorophenol	196	5.521	5.520	0.001	88	929163	21.7	
93 2,4,5-Trichlorophenol	196	5.553	5.547	0.006	93	963261	21.0	
97 2,4-Toluene diamine	121		5.638					
98 1,1'-Biphenyl	154	5.659	5.654	0.005	94	3162687	21.3	
99 1,2,3,4 -Tetrachlorobenzene	216	5.659	5.659	0.0	74	1321150	0	
100 2-Chloronaphthalene	162	5.686	5.680	0.006	96	2506597	21.0	
102 2-Nitroaniline	65	5.745	5.739	0.006	71	1084601	21.3	
105 Dimethyl phthalate	163	5.862	5.857	0.005	95	2956891	21.1	
107 2,6-Dinitrotoluene	165	5.910	5.905	0.005	84	695843	21.6	
108 1,2-Dinitrobenzene	168	5.958	5.953	0.005	79	351558	21.6	
109 Acenaphthylene	152	5.991	5.990	0.001	85	4039570	21.3	
110 3-Nitroaniline	138	6.044	6.038	0.006	84	713071	21.4	
111 2,4-Dinitrophenol	184	6.119	6.108	0.011	66	1184795	40.6	
112 Acenaphthene	153	6.119	6.113	0.006	89	2524581	21.6	
113 4-Nitrophenol	109	6.145	6.129	0.016	84	537177	22.2	
114 2,4-Dinitrotoluene	165	6.210	6.204	0.006	85	936756	21.5	
116 Dibenzofuran	168	6.242	6.236	0.006	83	3608566	21.1	
118 2,3,5,6-Tetrachlorophenol	232	6.290	6.289	0.001	86	828339	22.4	
121 Diethyl phthalate	149	6.364	6.359	0.005	96	2931572	21.2	
123 4-Chlorophenyl phenyl ether	204	6.471	6.471	0.0	87	1616992	21.4	
125 4-Nitroaniline	138	6.487	6.482	0.005	60	789781	22.1	
126 Fluorene	166	6.493	6.487	0.006	81	3078682	21.3	
128 4,6-Dinitro-2-methylphenol	198	6.509	6.503	0.006	84	713714	23.6	
131 N-Nitrosodiphenylamine	169	6.551	6.551	0.0	97	2350326	21.2	
133 Azobenzene	77	6.583	6.583	0.0	96	4253985	20.9	
132 1,2-Diphenylhydrazine	77	6.583	6.583	0.0	98	4254385	20.9	
139 4-Bromophenyl phenyl ether	248	6.829	6.823	0.006	63	853474	21.1	
141 Hexachlorobenzene	284	6.899	6.898	0.001	83	790947	20.4	
142 Atrazine	200	6.920	6.914	0.006	87	756685	19.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.032	7.026	0.006	84	1260860	45.3	
148 Phenanthrene	178	7.192	7.192	0.0	87	4527707	21.2	
149 Anthracene	178	7.230	7.229	0.001	86	4781792	21.6	
151 Carbazole	167	7.331	7.331	0.0	82	4136104	21.3	
154 Di-n-butyl phthalate	149	7.534	7.534	0.0	100	5134530	21.2	
159 Fluoranthene	202	8.058	8.063	-0.005	98	5455431	21.8	
160 Benzidine	184	8.122	8.127	-0.005	97	2883862	21.0	
161 Pyrene	202	8.228	8.233	-0.005	95	5468522	21.3	
168 Butyl benzyl phthalate	149	8.629	8.655	-0.026	93	2307855	21.0	
172 3,3'-Dimethoxybenzidine	244	9.024	9.056	-0.032	83	1394084	21.8	
173 Bis(2-ethylhexyl) phthalate	149	9.035	9.072	-0.037	95	3190001	20.6	
174 4,4'-Methylene bis(2-chloroanili	231	9.056	9.088	-0.032	85	1008670	20.9	
175 3,3'-Dichlorobenzidine	252	9.067	9.093	-0.026	68	1861684	21.1	
177 Benzo[a]anthracene	228	9.110	9.141	-0.031	85	5296654	20.9	
178 Chrysene	228	9.136	9.174	-0.038	94	4751819	21.1	
180 Di-n-octyl phthalate	149	9.548	9.595	-0.047	98	5777151	21.4	
182 Benzo[b]fluoranthene	252	10.066	10.103	-0.037	85	5591104	22.6	
183 Benzo[k]fluoranthene	252	10.092	10.130	-0.038	86	4530547	19.9	
184 Benzo[a]pyrene	252	10.424	10.466	-0.042	74	4566553	21.2	
188 Indeno[1,2,3-cd]pyrene	276	11.978	12.004	-0.026	87	4792786	21.6	
189 Dibenz(a,h)anthracene	278	11.978	12.010	-0.032	62	4021439	21.6	
190 Benzo[g,h,i]perylene	276	12.427	12.458	-0.031	89	3929312	21.0	
S 191 Methyl Phenols,Total	100				0		42.6	

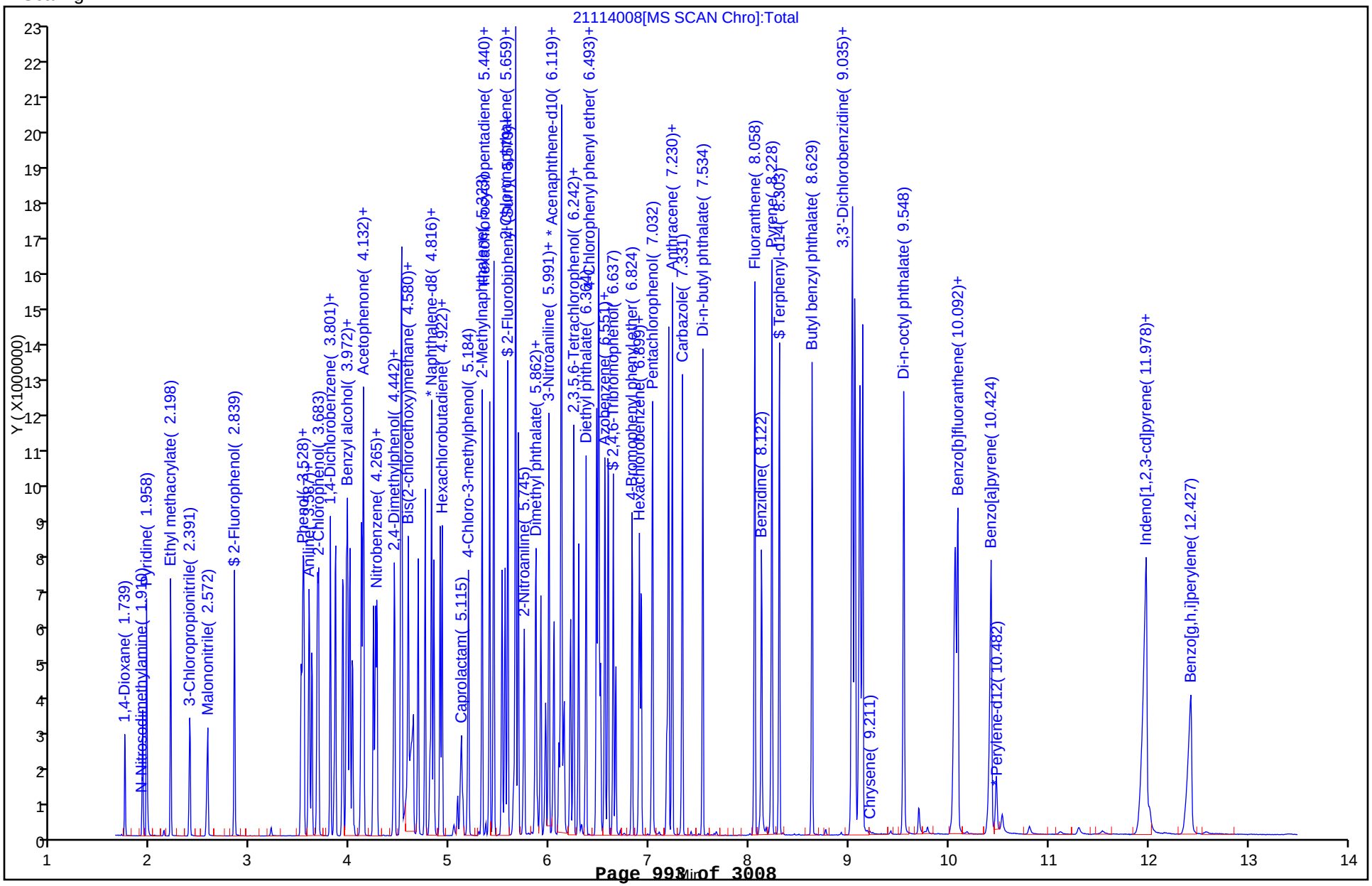
Report Date: 15-Nov-2012 07:40:24 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114008.D

Injection Date:	14-Nov-2012 13:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	8
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114009.D		
Lims ID:	std7 tcl	Client ID:	
Inject. Date:	14-Nov-2012 13:53:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	240-0014932-009		
Misc. Info.:	STD7 TCL =STD7 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	64921	Lims Sample ID:	9
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m		
Last Update:	15-Nov-2012 07:40:26	Calib Date:	14-Nov-2012 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: ulmanm		Date:	14-Nov-2012 14:24:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.0	96	194329	4.00	
* 2 Naphthalene-d8	136	4.799	4.799	0.0	99	749677	4.00	
* 3 Acenaphthene-d10	164	6.092	6.092	0.0	75	506260	4.00	
* 4 Phenanthrene-d10	188	7.171	7.171	0.0	96	921350	4.00	
* 5 Chrysene-d12	240	9.125	9.152	-0.027	93	927673	4.00	
* 6 Perylene-d12	264	10.487	10.525	-0.038	91	766722	4.00	
$ 7 2-Fluorophenol	112	2.834	2.834	0.0	92	1074897	14.8	
$ 8 Phenol-d5	99	3.523	3.512	0.011	0	1575549	15.2	
$ 9 Nitrobenzene-d5	82	4.249	4.249	0.0	82	1590785	14.0	
$ 10 2-Fluorobiphenyl (Surr)	172	5.579	5.579	0.0	100	2454462	14.6	
$ 11 2,4,6-Tribromophenol	330	6.663	6.663	0.0	79	261292	14.9	
$ 12 Terphenyl-d14	244	8.303	8.314	-0.011	97	2696568	15.1	
25 1,4-Dioxane	88	1.733	1.739	-0.006	79	612624	14.7	
26 N-Nitrosodimethylamine	74	1.915	1.910	0.005	83	1013842	14.9	
27 Pyridine	79	1.952	1.952	0.0	91	1548890	15.0	
28 Ethyl methacrylate	69	2.193	2.198	-0.005	80	1341098	14.7	
29 3-Chloropropionitrile	54	2.385	2.380	0.005	83	651313	14.8	
33 Malononitrile	66	2.567	2.556	0.011	78	1677950	15.0	
41 Benzaldehyde	77	3.507	3.501	0.006	85	873695	10.6	
43 Phenol	94	3.533	3.523	0.010	76	1681094	14.9	
44 Aniline	93	3.587	3.581	0.006	94	2144618	15.1	
69 Bis(2-chloroethyl)ether	93	3.613	3.608	0.005	92	1310054	14.5	
46 2-Chlorophenol	128	3.683	3.678	0.005	89	986162	15.0	
47 1,3-Dichlorobenzene	146	3.800	3.800	0.0	86	1127061	14.9	
48 1,4-Dichlorobenzene	146	3.848	3.848	0.0	79	1099223	14.8	
49 Benzyl alcohol	108	3.923	3.918	0.005	85	793729	15.0	
50 1,2-Dichlorobenzene	146	3.971	3.971	0.0	81	1066506	14.8	
51 2-Methylphenol	108	3.993	3.987	0.006	92	1080934	14.8	
53 2,2'-oxybis[1-chloropropane]	45	4.019	4.019	0.0	98	1183019	14.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	4.110	4.099	0.011	92	1168321	15.0	
57 N-Nitrosodi-n-propylamine	70	4.126	4.116	0.010	72	1156250	14.6	
58 Acetophenone	105	4.132	4.126	0.006	87	1720639	14.8	
61 Hexachloroethane	117	4.233	4.228	0.005	93	458892	14.9	
62 Nitrobenzene	77	4.265	4.260	0.005	76	1643544	14.6	
64 Isophorone	82	4.441	4.436	0.005	94	2965628	15.0	
66 2-Nitrophenol	139	4.505	4.500	0.005	84	567268	15.2	
65 2,4-Dimethylphenol	107	4.511	4.505	0.006	97	1343424	14.7	
67 1,3,5-Trichlorobenzene	180	4.516	4.516	0.0	88	1038405	15.2	
71 Benzoic acid	122	4.623	4.570	0.053	78	1426737	30.2	
70 Bis(2-chloroethoxy)methane	93	4.580	4.580	0.0	95	1528700	14.6	
73 2,4-Dichlorophenol	162	4.682	4.676	0.006	93	860739	15.2	
74 1,2,4-Trichlorobenzene	180	4.751	4.751	0.0	85	995140	14.6	
75 Naphthalene	128	4.815	4.815	0.0	97	2919974	15.0	
76 4-Chloroaniline	127	4.837	4.831	0.006	81	1218219	14.5	
79 Hexachlorobutadiene	225	4.901	4.901	0.0	86	592614	14.6	
80 1,2,3-Trichlorobenzene	180	4.922	4.917	0.005	86	932373	0	
84 Caprolactam	113	5.109	5.082	0.027	78	404351	15.4	
86 4-Chloro-3-methylphenol	107	5.184	5.173	0.011	82	1209128	15.3	
87 2-Methylnaphthalene	142	5.323	5.323	0.0	86	1945919	15.2	
88 1-Methylnaphthalene	142	5.397	5.397	0.0	80	1843773	15.2	
90 1,2,3,5-Tetrachlorobenzene	216	5.440	5.435	0.005	93	1084654	14.3	
89 Hexachlorocyclopentadiene	237	5.440	5.440	0.0	76	720639	14.3	
92 2,4,6-Trichlorophenol	196	5.520	5.520	0.0	90	729480	14.9	
93 2,4,5-Trichlorophenol	196	5.552	5.547	0.005	93	770175	14.7	
97 2,4-Toluene diamine	121		5.638					
98 1,1'-Biphenyl	154	5.659	5.654	0.005	95	2520666	14.8	
99 1,2,3,4 -Tetrachlorobenzene	216	5.659	5.659	0.0	61	1048379	0	
100 2-Chloronaphthalene	162	5.686	5.680	0.006	96	1988357	14.5	
102 2-Nitroaniline	65	5.745	5.739	0.006	72	866881	14.8	
105 Dimethyl phthalate	163	5.857	5.857	0.0	95	2394547	14.9	
107 2,6-Dinitrotoluene	165	5.910	5.905	0.005	84	557758	15.1	
108 1,2-Dinitrobenzene	168	5.958	5.953	0.005	80	285999	15.3	
109 Acenaphthylene	152	5.990	5.990	0.0	85	3249357	15.0	
110 3-Nitroaniline	138	6.044	6.038	0.006	86	567302	14.9	
111 2,4-Dinitrophenol	184	6.118	6.108	0.010	59	974422	30.1	
112 Acenaphthene	153	6.118	6.113	0.005	88	2004992	15.0	
113 4-Nitrophenol	109	6.140	6.129	0.011	83	425767	15.4	
114 2,4-Dinitrotoluene	165	6.209	6.204	0.005	87	759842	15.2	
116 Dibenzofuran	168	6.241	6.236	0.005	83	2873922	14.6	
118 2,3,5,6-Tetrachlorophenol	232	6.289	6.289	0.0	87	660761	15.6	
121 Diethyl phthalate	149	6.364	6.359	0.005	96	2353991	14.8	
123 4-Chlorophenyl phenyl ether	204	6.471	6.471	0.0	83	1289138	14.9	
125 4-Nitroaniline	138	6.487	6.482	0.005	59	622939	15.2	
126 Fluorene	166	6.487	6.487	0.0	84	2442356	14.7	
128 4,6-Dinitro-2-methylphenol	198	6.508	6.503	0.005	83	559475	16.1	
131 N-Nitrosodiphenylamine	169	6.551	6.551	0.0	98	1876683	14.7	
133 Azobenzene	77	6.583	6.583	0.0	96	3436616	14.6	
132 1,2-Diphenylhydrazine	77	6.583	6.583	0.0	98	3436638	14.6	
139 4-Bromophenyl phenyl ether	248	6.829	6.823	0.006	65	691319	14.8	
141 Hexachlorobenzene	284	6.898	6.898	0.0	83	655912	14.7	
142 Atrazine	200	6.914	6.914	0.0	86	606053	13.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.032	7.026	0.006	85	1064112	33.2	
148 Phenanthrene	178	7.192	7.192	0.0	98	3649803	14.8	
149 Anthracene	178	7.229	7.229	0.0	86	3822892	15.0	
151 Carbazole	167	7.331	7.331	0.0	82	3371606	15.1	
154 Di-n-butyl phthalate	149	7.534	7.534	0.0	100	4221342	15.1	
159 Fluoranthene	202	8.057	8.063	-0.006	98	4450314	15.4	
160 Benzidine	184	8.121	8.127	-0.006	98	2384177	15.1	
161 Pyrene	202	8.228	8.233	-0.005	95	4486347	15.2	
168 Butyl benzyl phthalate	149	8.634	8.655	-0.021	93	1874010	14.8	
172 3,3'-Dimethoxybenzidine	244	9.029	9.056	-0.027	83	1191906	16.2	
173 Bis(2-ethylhexyl) phthalate	149	9.040	9.072	-0.032	95	2605256	14.6	
174 4,4'-Methylene bis(2-chloroanili	231	9.061	9.088	-0.027	81	821651	14.8	
175 3,3'-Dichlorobenzidine	252	9.072	9.093	-0.021	63	1537114	15.1	
177 Benzo[a]anthracene	228	9.115	9.141	-0.026	89	4308859	14.8	
178 Chrysene	228	9.147	9.174	-0.027	93	3812893	14.7	
180 Di-n-octyl phthalate	149	9.558	9.595	-0.037	98	4671567	15.1	
182 Benzo[b]fluoranthene	252	10.071	10.103	-0.032	86	4429778	15.6	
183 Benzo[k]fluoranthene	252	10.098	10.130	-0.032	86	3657700	14.0	
184 Benzo[a]pyrene	252	10.434	10.466	-0.032	74	3719089	15.1	
188 Indeno[1,2,3-cd]pyrene	276	11.988	12.004	-0.016	85	3856110	15.1	
189 Dibenz(a,h)anthracene	278	11.988	12.010	-0.022	65	3234456	15.2	
190 Benzo[g,h,i]perylene	276	12.432	12.458	-0.026	91	3154779	14.7	
S 191 Methyl Phenols,Total	100				0		29.8	

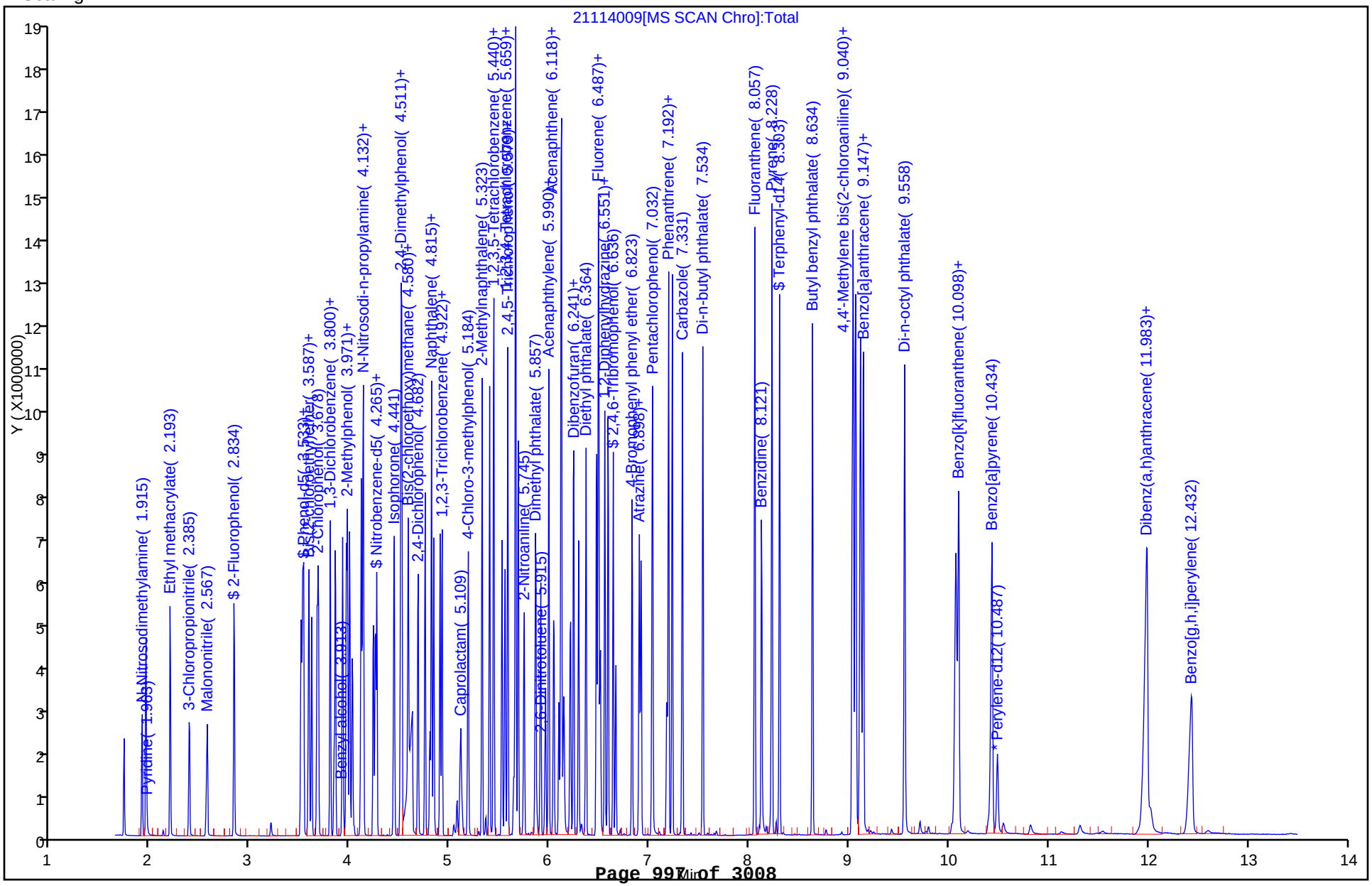
Report Date: 15-Nov-2012 07:40:26 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114009.D

Injection Date:	14-Nov-2012 13:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D		
Lims ID:	std6 tcl	Client ID:	
Inject. Date:	14-Nov-2012 14:12:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	240-0014932-010		
Misc. Info.:	STD6 TCL =STD6 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	64921	Lims Sample ID:	10
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m		
Last Update:	15-Nov-2012 07:40:27	Calib Date:	14-Nov-2012 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: ulmanm		Date:	14-Nov-2012 14:45:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.839	3.839	0.0	96	161662	4.00	
* 2 Naphthalene-d8	136	4.795	4.795	0.0	98	626906	4.00	
* 3 Acenaphthene-d10	164	6.087	6.087	0.0	80	409669	4.00	
* 4 Phenanthrene-d10	188	7.172	7.172	0.0	99	740612	4.00	
* 5 Chrysene-d12	240	9.116	9.116	0.0	81	720916	4.00	
* 6 Perylene-d12	264	10.483	10.483	0.0	94	594168	4.00	
$ 7 2-Fluorophenol	112	2.835	2.835	0.0	92	618376	10.2	
$ 8 Phenol-d5	99	3.518	3.518	0.0	0	879128	10.2	
$ 9 Nitrobenzene-d5	82	4.250	4.250	0.0	84	971224	10.2	
$ 10 2-Fluorobiphenyl (Surr)	172	5.575	5.575	0.0	99	1346058	9.88	
$ 11 2,4,6-Tribromophenol	330	6.659	6.659	0.0	77	145725	10.3	
$ 12 Terphenyl-d14	244	8.299	8.299	0.0	97	1419418	10.2	
25 1,4-Dioxane	88	1.740	1.740	0.0	79	343186	9.93	
26 N-Nitrosodimethylamine	74	1.911	1.911	0.0	85	553132	9.78	
27 Pyridine	79	1.953	1.953	0.0	91	877444	10.2	
28 Ethyl methacrylate	69	2.194	2.194	0.0	80	746971	9.82	
29 3-Chloropropionitrile	54	2.386	2.386	0.0	80	356061	9.75	
33 Malononitrile	66	2.562	2.562	0.0	78	931445	10.0	
41 Benzaldehyde	77	3.502	3.502	0.0	81	615486	9.00	
43 Phenol	94	3.529	3.529	0.0	86	933585	9.96	
44 Aniline	93	3.582	3.582	0.0	94	1163522	9.85	
69 Bis(2-chloroethyl)ether	93	3.609	3.609	0.0	92	765620	10.2	
46 2-Chlorophenol	128	3.679	3.679	0.0	91	549092	10.0	
47 1,3-Dichlorobenzene	146	3.796	3.796	0.0	90	630943	10.0	
48 1,4-Dichlorobenzene	146	3.850	3.850	0.0	80	622476	10.1	
49 Benzyl alcohol	108	3.919	3.919	0.0	84	439538	10.0	
50 1,2-Dichlorobenzene	146	3.972	3.972	0.0	85	588668	9.83	
51 2-Methylphenol	108	3.988	3.988	0.0	87	618780	10.2	
53 2,2'-oxybis[1-chloropropane]	45	4.020	4.020	0.0	99	674680	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	4.106	4.106	0.0	91	647034	9.98	
57 N-Nitrosodi-n-propylamine	70	4.122	4.122	0.0	70	658529	10.0	
58 Acetophenone	105	4.127	4.127	0.0	84	975778	10.1	
61 Hexachloroethane	117	4.229	4.229	0.0	91	257044	10.0	
62 Nitrobenzene	77	4.261	4.261	0.0	75	944160	10.0	
64 Isophorone	82	4.437	4.437	0.0	94	1654917	10.0	
66 2-Nitrophenol	139	4.501	4.501	0.0	83	309880	9.93	
65 2,4-Dimethylphenol	107	4.506	4.506	0.0	97	774973	10.2	
67 1,3,5-Trichlorobenzene	180	4.517	4.517	0.0	84	570316	9.95	
71 Benzoic acid	122	4.592	4.592	0.0	80	716800	19.3	
70 Bis(2-chloroethoxy)methane	93	4.576	4.576	0.0	98	872497	9.98	
73 2,4-Dichlorophenol	162	4.677	4.677	0.0	91	478669	10.1	
74 1,2,4-Trichlorobenzene	180	4.747	4.747	0.0	84	564509	9.89	
75 Naphthalene	128	4.811	4.811	0.0	99	1625381	10.0	
76 4-Chloroaniline	127	4.832	4.832	0.0	79	682956	9.75	
79 Hexachlorobutadiene	225	4.896	4.896	0.0	91	340128	10.0	
80 1,2,3-Trichlorobenzene	180	4.918	4.918	0.0	83	526549	0	
84 Caprolactam	113	5.094	5.094	0.0	79	222785	10.2	
86 4-Chloro-3-methylphenol	107	5.174	5.174	0.0	78	674494	10.2	
87 2-Methylnaphthalene	142	5.318	5.318	0.0	85	1082232	10.1	
88 1-Methylnaphthalene	142	5.393	5.393	0.0	79	1029063	10.1	
90 1,2,3,5-Tetrachlorobenzene	216	5.436	5.436	0.0	92	604987	9.86	
89 Hexachlorocyclopentadiene	237	5.436	5.436	0.0	90	400448	9.79	
92 2,4,6-Trichlorophenol	196	5.516	5.516	0.0	88	404351	10.2	
93 2,4,5-Trichlorophenol	196	5.548	5.548	0.0	94	421048	9.92	
97 2,4-Toluene diamine	121	5.633	5.633	0.0	97	383595	8.27	
98 1,1'-Biphenyl	154	5.655	5.655	0.0	95	1371026	9.93	
99 1,2,3,4 -Tetrachlorobenzene	216	5.655	5.655	0.0	61	576738	0	
100 2-Chloronaphthalene	162	5.681	5.681	0.0	96	1095956	9.89	
102 2-Nitroaniline	65	5.740	5.740	0.0	72	475073	10.0	
105 Dimethyl phthalate	163	5.852	5.852	0.0	95	1318933	10.1	
107 2,6-Dinitrotoluene	165	5.906	5.906	0.0	85	306552	10.2	
108 1,2-Dinitrobenzene	168	5.954	5.954	0.0	80	155818	10.3	
109 Acenaphthylene	152	5.986	5.986	0.0	86	1778100	10.1	
110 3-Nitroaniline	138	6.034	6.034	0.0	83	305918	9.92	
111 2,4-Dinitrophenol	184	6.109	6.109	0.0	68	486576	19.4	
112 Acenaphthene	153	6.114	6.114	0.0	92	1095440	10.1	
113 4-Nitrophenol	109	6.135	6.135	0.0	86	237787	10.6	
114 2,4-Dinitrotoluene	165	6.200	6.200	0.0	81	414750	10.2	
116 Dibenzofuran	168	6.237	6.237	0.0	83	1563382	9.85	
118 2,3,5,6-Tetrachlorophenol	232	6.285	6.285	0.0	86	353062	10.3	
121 Diethyl phthalate	149	6.360	6.360	0.0	97	1280858	9.98	
123 4-Chlorophenyl phenyl ether	204	6.467	6.467	0.0	92	697217	9.93	
125 4-Nitroaniline	138	6.483	6.483	0.0	71	341896	10.3	
126 Fluorene	166	6.488	6.488	0.0	85	1326371	9.88	
128 4,6-Dinitro-2-methylphenol	198	6.499	6.499	0.0	81	293810	10.5	
131 N-Nitrosodiphenylamine	169	6.547	6.547	0.0	98	1020048	9.96	
133 Azobenzene	77	6.579	6.579	0.0	96	1916720	10.2	
132 1,2-Diphenylhydrazine	77	6.579	6.579	0.0	98	1916972	10.2	
139 4-Bromophenyl phenyl ether	248	6.824	6.824	0.0	64	377838	10.1	
141 Hexachlorobenzene	284	6.894	6.894	0.0	90	354403	9.89	
142 Atrazine	200	6.910	6.910	0.0	89	361802	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.027	7.027	0.0	85	558499	21.7	
148 Phenanthrene	178	7.188	7.188	0.0	87	1974820	9.97	
149 Anthracene	178	7.225	7.225	0.0	87	2047596	10.0	
151 Carbazole	167	7.327	7.327	0.0	83	1820195	10.1	
154 Di-n-butyl phthalate	149	7.529	7.529	0.0	100	2291821	10.2	
159 Fluoranthene	202	8.053	8.053	0.0	98	2341826	10.1	
160 Benzidine	184	8.117	8.117	0.0	88	1268926	10.3	
161 Pyrene	202	8.224	8.224	0.0	95	2377919	10.4	
168 Butyl benzyl phthalate	149	8.630	8.630	0.0	93	1012330	10.3	
172 3,3'-Dimethoxybenzidine	244	9.025	9.025	0.0	85	600427	10.5	
173 Bis(2-ethylhexyl) phthalate	149	9.036	9.036	0.0	95	1408600	10.2	
174 4,4'-Methylene bis(2-chloroanili	231	9.057	9.057	0.0	75	451127	10.5	
175 3,3'-Dichlorobenzidine	252	9.062	9.062	0.0	63	808820	10.2	
177 Benzo[a]anthracene	228	9.105	9.105	0.0	86	2253686	9.96	
178 Chrysene	228	9.137	9.137	0.0	93	2032015	10.1	
180 Di-n-octyl phthalate	149	9.554	9.554	0.0	99	2458218	10.2	
182 Benzo[b]fluoranthene	252	10.061	10.061	0.0	87	2125665	9.66	
183 Benzo[k]fluoranthene	252	10.088	10.088	0.0	85	2102729	10.4	
184 Benzo[a]pyrene	252	10.424	10.424	0.0	74	1937370	10.1	
188 Indeno[1,2,3-cd]pyrene	276	11.957	11.957	0.0	86	1982116	10.0	
189 Dibenz(a,h)anthracene	278	11.963	11.963	0.0	68	1660741	10.1	
190 Benzo[g,h,i]perylene	276	12.406	12.406	0.0	90	1640949	9.88	
S 191 Methyl Phenols,Total	100				0		20.1	

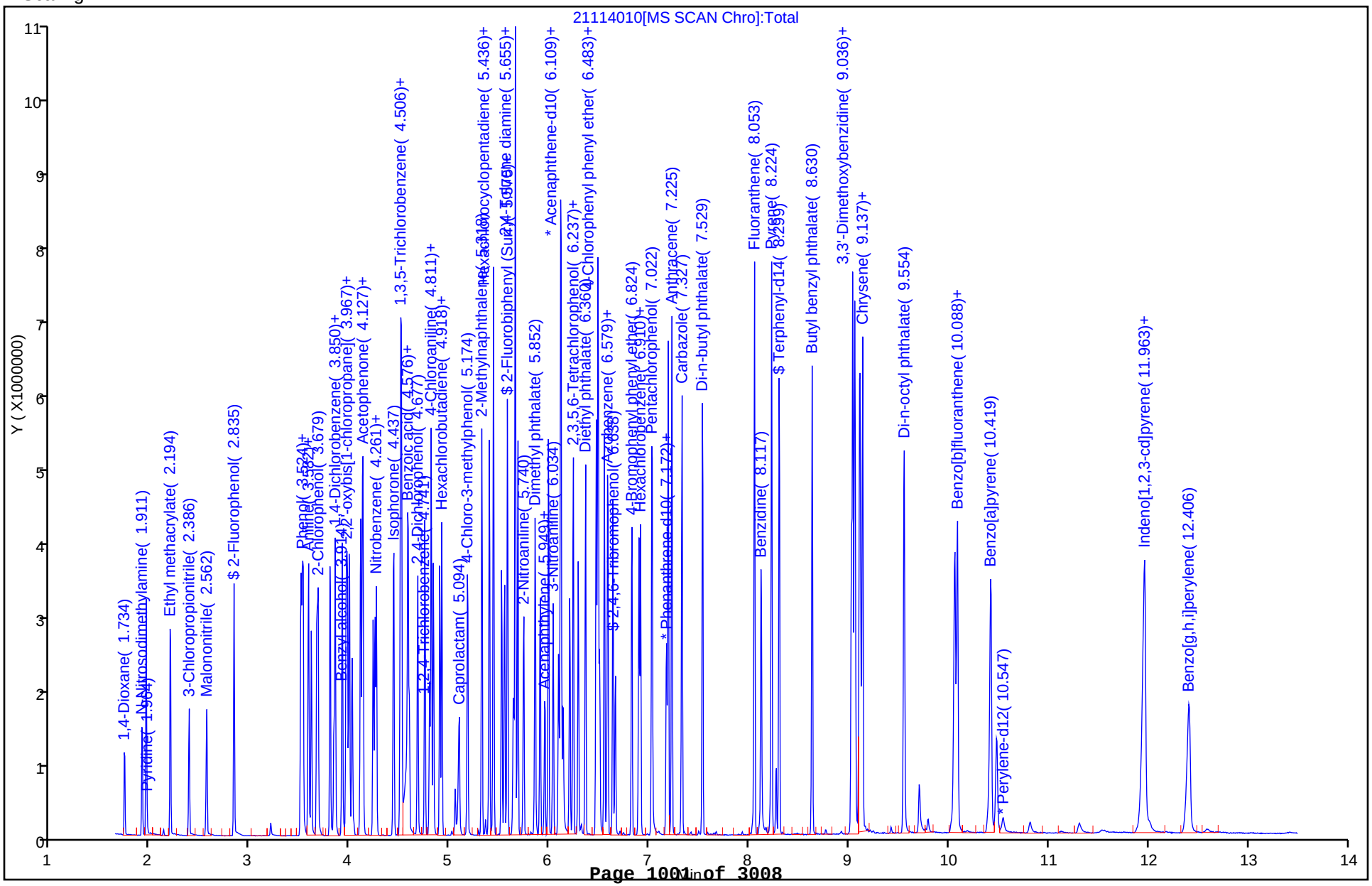
Report Date: 15-Nov-2012 07:40:27 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D

Injection Date:	14-Nov-2012 14:12:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-67070/6	21203006.D
Level 2	STD2 240-67070/5	21203005.D
Level 3	STD3 240-67070/4	21203004.D
Level 4	STD4 240-67070/3	21203003.D
Level 5	STD5 240-67070/2	21203002.D
Level 6	STD6 240-67070/10	21203010.D
Level 7	STD7 240-67070/9	21203009.D
Level 8	STD8 240-67070/8	21203008.D
Level 9	STD9 240-67070/7	21203007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.7268	+++++ 0.7381	0.8009 0.7465	0.9093 0.7243	0.7887	Ave		0.7764			0.0500	8.5		15.0			
N-Nitrosodimethylamine	1.1042	+++++ 1.1083	0.8621 1.1334	0.8397 1.1726	0.9212	Ave		1.0202			0.0500	14.0		15.0			
Pyridine	2.0966	1.9291 2.1990	2.1735 2.1249	1.8960 2.2061	2.0289	Ave		2.0818			0.0500	5.8		15.0			
Ethyl methacrylate	1.9502	2.2935 2.0365	1.9514 1.9690	1.9898 2.0309	1.9322	Ave		2.0192			0.0500	5.8		15.0			
3-Chloropropionitrile	0.7679	0.6148 0.7866	0.7098 0.8014	0.7121 0.8292	0.6811	Ave		0.7379			0.0500	9.6		15.0			
Benzaldehyde	2.2892 1.7547	2.1772 1.7222	1.8824 1.4194	1.9744 1.2302	1.9597	Qua	-0.269	2.2738	-0.041		0.0500				0.9980		0.9950
Phenol	2.6035	2.4461 2.7179	2.3161 2.7151	2.4686 2.8224	2.5088	Ave		2.5748			0.0500	6.6		15.0			
Aniline	3.2637	2.9053 3.3951	2.9373 3.4363	3.0624 3.5821	3.1591	Ave		3.2177			0.0500	7.6		15.0			
Bis(2-chloroethyl)ether	1.9548	1.9533 2.0254	1.8560 2.0469	1.9568 2.1442	1.9552	Ave		1.9866			0.0500	4.3		15.0			
2-Chlorophenol	1.4527	1.3764 1.4874	1.4390 1.4793	1.4488 1.5271	1.4744	Ave		1.4607			0.0500	3.0		15.0			
1,3-Dichlorobenzene	1.5562	1.4320 1.6015	1.5044 1.5512	1.6212 1.6456	1.6509	Ave		1.5704			0.0500	4.8		15.0			
Benzoic acid	0.2173	+++++ 0.2273	0.1186 0.2497	0.1462 0.2472	0.1722	Qua	-0.331	0.2188	0.0008		0.0500				0.9980		0.9950
1,4-Dichlorobenzene	1.5582	1.5376 1.5627	1.6018 1.5881	1.6236 1.6271	1.5888	Ave		1.5860			0.0500	2.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzyl alcohol	1.2246	1.2324 1.2441	1.0523 1.2438	1.1379 1.2951	1.2013	Ave		1.2039			0.0500	6.3		15.0			
1,2-Dichlorobenzene	1.4632	1.4267 1.5123	1.6105 1.4969	1.5747 1.5869	1.5408	Ave		1.5265			0.0500	4.2		15.0			
2-Methylphenol	1.7709	1.5369 1.7987	1.5519 1.8061	1.6937 1.8875	1.6946	Ave		1.7176			0.0500	7.2		15.0			
bis (2-chloroisopropyl) ether	2.0200	1.9883 2.1205	1.9055 2.0832	2.0244 2.1434	1.9113	Ave		2.0246			0.0500	4.4		15.0			
3 & 4 Methylphenol	1.8464	1.5362 1.8873	1.6991 1.9649	1.7562 2.0604	1.8720	Ave		1.8278			0.0500	8.9		15.0			
N-Nitrosodi-n-propylamine	1.8002	1.7047 1.9274	1.6460 1.9176	1.6924 1.9344	1.7868	Ave		1.8012			0.0500	6.4		15.0			
Acetophenone	2.6266	2.5444 2.7456	2.4739 2.8335	2.4714 2.9517	2.5766	Ave		2.6530			0.0500	6.6		15.0			
Hexachloroethane	0.7201	0.8208 0.7355	0.6931 0.7128	0.7668 0.7549	0.7317	Ave		0.7420			0.0500	5.3		15.0			
Nitrobenzene	0.6555	0.6063 0.6409	0.5869 0.7229	0.6185 0.7176	0.6069	Ave		0.6444			0.0500	8.0		15.0			
Isophorone	1.2234	1.0172 1.2196	0.9875 1.3941	1.0827 1.3748	1.1029	Ave		1.1753			0.0500	13.0		15.0			
2-Nitrophenol	0.1877	0.1271 0.1830	0.1681 0.1988	0.1691 0.1909	0.1808	Ave		0.1757			0.0500	13.0		15.0			
2,4-Dimethylphenol	0.4923	0.4912 0.4840	0.4705 0.5193	0.4809 0.5256	0.4839	Ave		0.4935			0.0500	3.9		15.0			
1,3,5-Trichlorobenzene	0.3496	0.3827 0.3453	0.3438 0.3657	0.3672 0.3755	0.3547	Ave		0.3606			0.0500	4.0		15.0			
Bis(2-chloroethoxy)methane	0.6034	0.5479 0.6111	0.5621 0.6757	0.5674 0.6670	0.5763	Ave		0.6014			0.0500	8.0		15.0			
2,4-Dichlorophenol	0.2807	0.2494 0.2751	0.2758 0.3022	0.2869 0.3040	0.2935	Ave		0.2834			0.0500	6.2		15.0			
1,2,4-Trichlorobenzene	0.3361	0.3701 0.3376	0.3251 0.3671	0.3693 0.3644	0.3348	Ave		0.3506			0.0500	5.4		15.0			
Naphthalene	1.1646 1.0866	0.9935 1.1179	0.9827 1.2475	1.0006 1.2759	1.0174	Ave		1.0985			0.0500	10.0		15.0			
4-Chloroaniline	0.4396	0.3930 0.4409	0.4198 0.4769	0.4049 0.4798	0.4208	Ave		0.4345			0.0500	7.2		15.0			
Hexachlorobutadiene	0.1866	0.1991 0.1881	0.1889 0.1946	0.1886 0.1930	0.1905	Ave		0.1912			0.0500	2.2		15.0			
Caprolactam	0.1170	0.0832 0.1124	0.1292 0.1142	0.1263 0.1110	0.1314	Ave		0.1156			0.0500	13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.4252	0.3714 0.4169	0.3695 0.4581	0.4190 0.4475	0.4179	Ave		0.4157			0.0500	7.6		15.0			
2,4-Dinitrophenol	0.1886	+++++ 0.1989	0.0970 0.2117	0.1148 0.2137	0.1553	Qua	-0.298	0.1920	0.0006		0.0500				0.9990		0.9950
2-Methylnaphthalene	0.6723 0.6867	0.5949 0.6927	0.6523 0.7759	0.6688 0.7926	0.6616	Ave		0.6886			0.0500	8.9		15.0			
2,3,5,6-Tetrachlorophenol	0.3180	+++++ 0.3210	0.2897 0.3434	0.2921 0.3358	0.3147	Ave		0.3164			0.0500	6.4		15.0			
1-Methylnaphthalene	0.5988 0.6676	0.6687 0.6661	0.6408 0.7470	0.6252 0.7487	0.6342	Ave		0.6663			0.0500	7.7		15.0			
1,2,3,5-Tetrachlorobenzene	0.5562	0.5409 0.5598	0.5637 0.5896	0.5460 0.5852	0.5236	Ave		0.5581			0.0500	3.9		15.0			
Hexachlorocyclopentadiene	0.3252	0.2807 0.3368	0.2962 0.3592	0.2941 0.3642	0.3160	Ave		0.3216			0.0500	9.5		15.0			
2,4,6-Trichlorophenol	0.3418	0.3019 0.3574	0.3445 0.3743	0.3431 0.3743	0.3332	Ave		0.3463			0.0500	6.8		15.0			
4,6-Dinitro-2-methylphenol	0.1501	+++++ 0.1498	0.0772 0.1622	0.1050 0.1566	0.1343	Qua	-0.105	0.1587	0.0002		0.0500				0.9990		0.9950
2,4,5-Trichlorophenol	0.3853	0.3497 0.3731	0.3934 0.4017	0.3801 0.3962	0.3694	Ave		0.3811			0.0500	4.4		15.0			
2,4-Toluene diamine	0.1947	0.2490 0.1844	0.2043 0.1850	0.1696 0.1832	0.1973	Ave		0.1959			0.0500	12.0		15.0			
1,1'-Biphenyl	1.3082 1.4695	1.2686 1.4967	1.3545 1.6489	1.4054 1.6919	1.3596	Ave		1.4448			0.0500	10.0		15.0			
2-Chloronaphthalene	0.9923 1.1225	1.0953 1.1075	1.0542 1.2263	1.0563 1.2270	1.0430	Ave		1.1027			0.0500	7.3		15.0			
2-Nitroaniline	0.5325	0.4386 0.5407	0.4680 0.5717	0.5036 0.5590	0.4934	Ave		0.5134			0.0500	8.9		15.0			
Dimethyl phthalate	1.2948	1.2183 1.3464	1.1518 1.4663	1.2352 1.4465	1.2357	Ave		1.2994			0.0500	8.6		15.0			
2,6-Dinitrotoluene	0.2865	0.2125 0.2914	0.2291 0.3065	0.2628 0.2958	0.2773	Ave		0.2702			0.0500	12.0		15.0			
1,2-Dinitrobenzene	0.1418	0.1178 0.1388	0.1253 0.1474	0.1195 0.1444	0.1280	Ave		0.1329			0.0500	8.7		15.0			
Acenaphthylene	1.5771 1.7865	1.5432 1.8971	1.5689 2.0972	1.6549 2.0020	1.7061	Ave		1.7592			0.0500	11.0		15.0			
3-Nitroaniline	0.2982	0.2494 0.3089	0.2543 0.3287	0.2869 0.3131	0.2862	Ave		0.2907			0.0500	9.6		15.0			
Acenaphthene	1.2158 1.1042	1.0287 1.1214	0.9817 1.2394	1.0434 1.2450	1.0625	Ave		1.1158			0.0500	8.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Nitrophenol	0.2284	0.1705 0.2232	0.1960 0.2384	0.1940 0.2398	0.2211	Ave		0.2139			0.0500	11.0		15.0			
2,4-Dinitrotoluene	0.3857	0.2843 0.3797	0.2947 0.4141	0.3538 0.4047	0.3837	Ave		0.3626			0.0500	13.0		15.0			
Dibenzofuran	1.4180 1.6592	1.4900 1.6902	1.5005 1.8453	1.5366 1.8378	1.5121	Ave		1.6100			0.0500	9.7		15.0			
Diethyl phthalate	1.2844	1.1591 1.3140	1.1416 1.4580	1.2306 1.4576	1.2452	Ave		1.2863			0.0500	9.4		15.0			
4-Chlorophenyl phenyl ether	0.6881	0.6465 0.6825	0.6841 0.7454	0.6664 0.7442	0.6757	Ave		0.6916			0.0500	5.1		15.0			
4-Nitroaniline	0.3215	0.2225 0.3332	0.2710 0.3434	0.2964 0.3397	0.3215	Ave		0.3061			0.0500	14.0		15.0			
Fluorene	1.3522 1.3364	1.2399 1.3875	1.2979 1.5491	1.2908 1.5490	1.2632	Ave		1.3629			0.0500	8.4		15.0			
N-Nitrosodiphenylamine	0.5536	0.5042 0.5722	0.4787 0.6110	0.5437 0.6199	0.5373	Ave		0.5526			0.0500	8.8		15.0			
1,2-Diphenylhydrazine(as Azobenzene)	1.4797	1.1759 1.5306	1.1520 1.5379	1.2061 1.3855	1.2944	Ave		1.3455			0.0500	12.0		15.0			
Azobenzene	1.4797	1.1759 1.5305	1.1520 1.5378	1.2136 1.3852	1.2896	Ave		1.3455			0.0500	12.0		15.0			
4-Bromophenyl phenyl ether	0.2073	0.1837 0.2058	0.1775 0.2165	0.2007 0.2098	0.2122	Ave		0.2017			0.0500	6.9		15.0			
Hexachlorobenzene	0.2154 0.2019	0.2099 0.2007	0.1863 0.2151	0.2000 0.2093	0.1930	Ave		0.2035			0.0500	4.9		15.0			
Atrazine	0.1857	0.1545 0.1791	0.1685 0.1793	0.1842 0.1699	0.1863	Ave		0.1759			0.0500	6.2		15.0			
Pentachlorophenol	0.1501	0.0850 0.1569	0.1160 0.1635	0.1389 0.1642	0.1466	Qua	-0.066	0.1492	0.0003		0.0500				1.0000		0.9950
Phenanthrene	1.3066 1.2017	1.0239 1.2458	1.1090 1.3162	1.1069 1.3289	1.1162	Ave		1.1950			0.0500	9.3		15.0			
Anthracene	1.1264 1.2855	1.0141 1.3440	1.0585 1.3600	1.0630 1.3468	1.1759	Ave		1.1971			0.0500	12.0		15.0			
Carbazole	1.1108	0.9495 1.1325	0.9198 1.2563	0.9682 1.2133	1.0276	Ave		1.0723			0.0500	12.0		15.0			
Di-n-butyl phthalate	1.4156	1.0157 1.4666	1.0605 1.5798	1.2481 1.4509	1.2996	Ave		1.3171			0.0500	15.0		15.0			
3,3'-Dimethoxybenzidine	0.3149	+++++ 0.3164	0.1932 0.3792	0.2099 0.3519	0.3170	Qua	-0.186	0.3261	0.0017		0.0500				0.9930	*	0.9950
Fluoranthene	1.2775 1.4447	1.2228 1.5077	1.1744 1.5555	1.3054 1.4892	1.2993	Ave		1.3641			0.0500	10.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.7381	0.3795 0.7444	0.4273 0.8902	0.4787 0.8289	0.6659	Qua	-0.401	0.7401	0.0051		0.0500				0.9940	*	0.9950
Pyrene	1.1654 1.4574	1.2249 1.4936	1.2430 1.6415	1.3193 1.5069	1.4039	Ave		1.3840			0.0500	11.0		15.0			
Butyl benzyl phthalate	0.5879	0.4066 0.5668	0.4666 0.6393	0.5378 0.6149	0.5993	Ave		0.5524			0.0500	14.0		15.0			
4,4'-Methylene bis(2-chloroaniline)	0.2381	0.1690 0.2332	0.1976 0.2557	0.2111 0.2426	0.2384	Ave		0.2232			0.0500	13.0		15.0			
3,3'-Dichlorobenzidine	0.4612	0.3154 0.4578	0.3513 0.5086	0.3895 0.4921	0.4570	Qua	-0.102	0.4549	0.0019		0.0500				0.9980		0.9950
Bis(2-ethylhexyl) phthalate	0.8378	0.6965 0.8204	0.6726 0.9396	0.8208 0.9041	0.8841	Ave		0.8220			0.0500	12.0		15.0			
Benzo[a]anthracene	1.1906 1.2480	1.1014 1.2531	1.2087 1.4393	1.1621 1.4003	1.2072	Ave		1.2456			0.0500	8.8		15.0			
Chrysene	1.1257 1.1436	1.0235 1.1498	1.0067 1.3128	1.0985 1.2789	1.1399	Ave		1.1421			0.0500	8.9		15.0			
Di-n-octyl phthalate	1.6890	1.0509 1.7437	1.2297 2.0229	1.5700 2.0495	1.7136	Qua	-0.053	1.4711	0.0240		0.0500				0.9980		0.9950
Benzo[b]fluoranthene	1.3475 1.3876	1.1089 1.4289	1.3065 1.5931	1.3277 1.6192	1.3597	Ave		1.3866			0.0500	11.0		15.0			
Benzo[k]fluoranthene	1.1702 1.4551	1.2905 1.4883	1.2577 1.6458	1.4772 1.6303	1.4190	Ave		1.4260			0.0500	11.0		15.0			
Benzo[a]pyrene	1.2274 1.3090	1.1049 1.3522	1.1653 1.5041	1.2692 1.5317	1.3158	Ave		1.3089			0.0500	11.0		15.0			
Indeno[1,2,3-cd]pyrene	1.2738 1.4511	1.2415 1.4655	1.3681 1.6426	1.4241 1.6169	1.4572	Ave		1.4379			0.0500	9.4		15.0			
Dibenz(a,h)anthracene	0.9219 1.2192	1.0196 1.2198	1.0859 1.3796	1.2007 1.3828	1.1907	Ave		1.1800			0.0500	13.0		15.0			
Benzo[g,h,i]perylene	1.1987 1.1839	1.0907 1.1989	1.0852 1.3598	1.1790 1.3417	1.2308	Ave		1.2076			0.0500	7.8		15.0			
2-Fluorophenol (Surr)	1.5404	1.5011 1.6252	1.5798 1.5698	1.5909 1.6178	1.5650	Ave		1.5738			0.0500	2.6		15.0			
Phenol-d5 (Surr)	2.3248	2.2354 2.4140	1.8374 2.3823	2.1993 2.5333	2.2550	Ave		2.2727			0.0500	9.1		15.0			
Nitrobenzene-d5 (Surr)	0.6192 0.6022	0.6015 0.6227	0.5584 0.6648	0.5751 0.6760	0.5895	Ave		0.6121			0.0500	6.3		15.0			
2-Fluorobiphenyl (Surr)	1.4642 1.2928	1.1891 1.3318	1.2209 1.4787	1.2403 1.4962	1.2409	Ave		1.3283			0.0500	9.1		15.0			
2,4,6-Tribromophenol (Surr)	0.1614	0.1231 0.1653	0.1348 0.1727	0.1593 0.1725	0.1502	Ave		0.1549			0.0500	12.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Terphenyl-d14 (Surr)	0.7862 0.8155	0.8051 0.8150	0.6927 0.9422	0.8139 0.8907	0.8136	Ave		0.8194			0.0500	8.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-67070/6	21203006.D
Level 2	STD2 240-67070/5	21203005.D
Level 3	STD3 240-67070/4	21203004.D
Level 4	STD4 240-67070/3	21203003.D
Level 5	STD5 240-67070/2	21203002.D
Level 6	STD6 240-67070/10	21203010.D
Level 7	STD7 240-67070/9	21203009.D
Level 8	STD8 240-67070/8	21203008.D
Level 9	STD9 240-67070/7	21203007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	399753	+++++ 543998	36233 773230	73600 814861	154568	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	607272	+++++ 816856	38998 1174085	67969 1319174	180530	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	1153107	40196 1620749	98326 2201171	153463 2481993	397620	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Ethyl methacrylate	DCB	Ave	1072582	47787 1500922	88277 2039665	161059 2284815	378677	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Chloropropionitrile	DCB	Ave	422307	12811 579758	32110 830175	57636 932926	133477	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Qua	9926 965070	45364 1269321	85156 1470328	159811 1383979	384062	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol	DCB	Ave	1431885	50968 2003163	104773 2812510	199816 3175311	491689	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1794952	60535 2502297	132878 3559561	247876 4030025	619120	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	1075083	40700 1492774	83963 2120375	158390 2412317	383179	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	798948	28679 1096266	65098 1532373	117271 1718090	288964	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	855886	29838 1180356	68057 1606884	131225 1851413	323540	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Qua	992750	+++++ 1441946	43345 2085887	98753 2343332	285606	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
1,4-Dichlorobenzene	DCB	Ave	856970	32037 1151768	72462 1645098	131422 1830542	311378	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzyl alcohol	DCB	Ave	673487	25678 916925	47603 1288428	92107 1457061	235427	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2-Dichlorobenzene	DCB	Ave	804726	29726 1114610	72856 1550612	127458 1785368	301970	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	973970	32023 1325720	70206 1870907	137096 2123570	332118	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
bis (2-chloroisopropyl) ether	DCB	Ave	1110965	41429 1562839	86200 2157927	163862 2411441	374591	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3 & 4 Methylphenol	DCB	Ave	1015483	32008 1390992	76864 2035411	142155 2317991	366886	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	990057	35519 1420567	74460 1986355	136985 2176245	350187	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	1444593	53016 2023578	111915 2935142	200038 3320829	504977	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	396040	17103 542116	31356 738370	62068 849335	143402	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	1497384	52311 2033011	107279 3019500	208929 3400714	503353	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	2794681	87765 3869063	180520 5823443	365723 6515388	914686	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	428852	10971 580637	30729 830238	57138 904635	149913	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	1124586	42386 1535491	86010 2169180	162458 2490665	401301	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3,5-Trichlorobenzene	NPT	Ave	798595	33020 1095265	62851 1527622	124050 1779271	294165	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	1378514	47277 1938498	102759 2822638	191667 3160983	477938	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	641251	21517 872558	50413 1262491	96906 1440479	243412	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	767717	31931 1071050	59431 1533437	124736 1726814	277640	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	21523 2482143	85728 3546318	179633 5210836	338015 6046456	843743	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	1004186	33909 1398635	76741 1992191	136785 2273909	348986	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	426339	17181 596689	34526 812875	63712 914699	157986	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Ave	267301	7176 356527	23626 477229	42653 526136	108965	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloro-3-methylphenol	NPT	Ave	971266	32042 1322578	67551 1913655	141534 2120588	346586	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Qua	538392	+++++ 779421	22221 1107986	48766 1280687	163179	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2-Methylnaphthalene	NPT	Ave	12424 1568614	51331 2197459	119237 3241037	225921 3756335	548716	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,3,5,6-Tetrachlorophenol	ANT	Ave	 453798	+++++ 629040	33187 898499	62062 1006180	165313	 10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
1-Methylnaphthalene	NPT	Ave	11067 1525035	57695 2113183	117141 3120059	211190 3548102	525938	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,3,5-Tetrachlorobenzene	ANT	Ave	 793734	28675 1097095	64586 1542651	115999 1753570	275027	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	 464113	14882 660004	33939 939731	62483 1091455	166020	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	 487834	16004 700417	39472 979326	72898 1121634	175058	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Qua	 374569	+++++ 513143	15977 747522	39778 827960	123435	 10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	 549869	18537 731223	45065 1051056	80751 1187181	194064	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Toluene diamine	NPT	Ave	 444710	21489 584842	37351 772583	57287 868145	163634	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	14581 2097075	67250 2933167	155182 4314416	298603 5070224	714205	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	11060 1601844	58061 2170503	120779 3208551	224430 3677090	547917	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	 759915	23252 1059612	53615 1495778	106992 1675117	259160	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	 1847769	64582 2638665	131956 3836513	262446 4334729	649097	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	 408875	11264 571148	26244 802029	55828 886451	145657	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dinitrobenzene	ANT	Ave	 202332	6247 271922	14355 385567	25396 432595	67242	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	17578 2549553	81803 3717874	179744 5487335	351616 5999467	896238	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	 425539	13218 605348	29136 859948	60951 938131	150335	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthene	ANT	Ave	13551 1575777	54532 2197679	112464 3242918	221678 3730862	558117	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Ave	 325899	9038 437400	22450 623747	41218 718684	116122	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrotoluene	ANT	Ave	 550422	15069 744156	33761 1083426	75165 1212832	201562	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	15805 2367844	78985 3312358	171901 4828262	326470 5507295	794298	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diethyl phthalate	ANT	Ave	1832980	61444 2575128	130788 3814881	261466 4367958	654113	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	981917	34272 1337478	78374 1950379	141595 2230197	354964	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	458818	11792 652966	31051 898608	62979 1017942	168871	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	15072 1907218	65725 2719190	148698 4053228	274254 4641978	663543	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodiphenylamine	PHN	Ave	1381461	48999 1959808	99063 2816710	206062 3276797	493931	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	3692336	114275 5242019	238402 7089323	457089 7323233	1189886	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	3692336	114275 5241671	238402 7088823	459925 7321874	1185511	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	517373	17853 704915	36737 998199	76066 1108836	195097	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	4286 503817	20402 687504	38543 991457	75787 1106388	177412	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	463454	15010 613227	34876 826393	69824 897962	171245	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Qua	749230	16525 1074664	47995 1507520	105285 1735964	269472	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	26003 2998659	99497 4266491	229503 6067655	419489 7024206	1026071	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	22416 3207585	98547 4603038	219050 6269234	402882 7118724	1081012	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	2771758	92268 3878743	190352 5791299	366937 6412920	944678	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	3532454	98705 5022953	219458 7282586	473027 7669176	1194742	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dimethoxybenzidine	CRY	Qua	786421	+++++ 1115656	39058 1715296	78653 1908849	280563	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	25424 3605052	118828 5163534	243024 7170742	494739 7871392	1194426	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Qua	1843303	36712 2624642	86398 4027253	179325 4495620	589306	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyrene	CRY	Ave	22462 3639569	118483 5266082	251331 7426228	494245 8173377	1242411	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	1468183	39327 1998546	94335 2892302	201465 3335278	530339	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,4'-Methylene bis(2-chloroaniline)	CRY	Ave	594586	16346 822324	39962 1156747	79087 1315934	210935	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3,3'-Dichlorobenzidine	CRY	Qua	1151707	30506 1613926	71021 2300801	145915 2668942	404452	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	2092198	67372 2892564	136001 4250837	307506 4903668	782396	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]anthracene	CRY	Ave	22947 3116592	106544 4418081	244392 6511414	435351 7594858	1068335	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	21697 2855800	99002 4053767	203554 5939114	411538 6936430	1008802	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Qua	3512292	79031 4994408	201729 7518674	469921 8736814	1267230	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	21113 2885491	83398 4092896	214322 5921468	397416 6902291	1005481	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	18336 3025983	97055 4263040	206313 6117211	442164 6949795	1049321	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	19232 2722148	83098 3873105	191163 5590497	379895 6529426	973020	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	19959 3017526	93370 4197780	224422 6105267	426262 6892480	1077608	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	14445 2535331	76682 3493923	178133 5127826	359396 5894670	880540	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	18782 2461930	82030 3434050	178013 5054031	352887 5719307	910207	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	847177	31278 1197803	71467 1626131	128768 1820074	306722	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	1278603	46578 1779153	83118 2467806	178013 2850089	441946	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	11443 1375736	51904 1975313	102066 2776873	194252 3203482	488906	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	16320 1844912	63034 2610009	139870 3868871	263515 4483556	651864	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	230291	6525 323865	15445 451821	33836 517056	78903	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	15154 2036667	77875 2873627	140052 4262459	304916 4830900	719982	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203002.D		
Lims ID:	std5 tcl	Client ID:	
Inject. Date:	03-Dec-2012 11:32:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015467-002		
Misc. Info.:	STD5 TCL =STD5 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	67070	Lims Sample ID:	2
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:16	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 12:18:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.053	6.053	0.0	84	156786	4.00	
* 2 Naphthalene-d8	136	7.159	7.159	0.0	98	663460	4.00	
* 3 Acenaphthene-d10	164	8.649	8.649	0.0	66	420245	4.00	
* 4 Phenanthrene-d10	188	9.915	9.915	0.0	74	735433	4.00	
* 5 Chrysene-d12	240	12.538	12.538	0.0	76	707977	4.00	
* 6 Perylene-d12	264	14.681	14.681	0.0	89	591603	4.00	
$ 7 2-Fluorophenol	112	4.830	4.830	0.0	91	306722	4.97	
$ 8 Phenol-d5	99	5.684	5.684	0.0	0	441946	4.96	
$ 9 Nitrobenzene-d5	82	6.528	6.528	0.0	83	488906	4.82	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.062	0.0	95	651864	4.67	
$ 11 2,4,6-Tribromophenol	330	9.317	9.317	0.0	69	78903	4.85	
$ 12 Terphenyl-d14	244	11.294	11.294	0.0	95	719982	4.96	
25 1,4-Dioxane	88	2.805	2.805	0.0	79	154568	5.08	M
26 N-Nitrosodimethylamine	74	3.275	3.275	0.0	79	180530	4.51	
27 Pyridine	79	3.318	3.318	0.0	91	397620	4.87	
28 Ethyl methacrylate	69	3.879	3.879	0.0	77	378677	4.78	
29 3-Chloropropionitrile	54	4.215	4.215	0.0	81	133477	4.62	
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.663	5.663	0.0	81	384062	4.85	
43 Phenol	94	5.700	5.700	0.0	88	491689	4.87	
44 Aniline	93	5.754	5.754	0.0	82	619120	4.91	
69 Bis(2-chloroethyl)ether	93	5.802	5.802	0.0	91	383179	4.92	
46 2-Chlorophenol	128	5.861	5.861	0.0	89	288964	5.05	
47 1,3-Dichlorobenzene	146	6.005	6.005	0.0	78	323540	5.26	
48 1,4-Dichlorobenzene	146	6.069	6.069	0.0	81	311378	5.01	
49 Benzyl alcohol	108	6.154	6.154	0.0	85	235427	4.99	
50 1,2-Dichlorobenzene	146	6.203	6.203	0.0	82	301970	5.05	
51 2-Methylphenol	108	6.240	6.240	0.0	93	332118	4.93	
53 2,2'-oxybis[1-chloropropane]	45	6.272	6.272	0.0	99	374591	4.72	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.363	6.363	0.0	92	366886	5.12	
57 N-Nitrosodi-n-propylamine	70	6.384	6.384	0.0	69	350187	4.96	
58 Acetophenone	105	6.395	6.395	0.0	79	504977	4.86	
61 Hexachloroethane	117	6.502	6.502	0.0	89	143402	4.93	
62 Nitrobenzene	77	6.544	6.544	0.0	73	503353	4.71	
64 Isophorone	82	6.747	6.747	0.0	94	914686	4.69	
66 2-Nitrophenol	139	6.822	6.822	0.0	79	149913	5.14	
65 2,4-Dimethylphenol	107	6.828	6.828	0.0	93	401301	4.90	
67 1,3,5-Trichlorobenzene	180	6.833	6.833	0.0	76	294165	4.92	
71 Benzoic acid	122	6.865	6.865	0.0	83	285606	9.09	
70 Bis(2-chloroethoxy)methane	93	6.918	6.918	0.0	98	477938	4.79	
73 2,4-Dichlorophenol	162	7.020	7.020	0.0	90	243412	5.18	
74 1,2,4-Trichlorobenzene	180	7.100	7.100	0.0	80	277640	4.78	
75 Naphthalene	128	7.175	7.175	0.0	80	843743	4.63	
76 4-Chloroaniline	127	7.202	7.202	0.0	77	348986	4.84	
79 Hexachlorobutadiene	225	7.271	7.271	0.0	84	157986	4.98	
80 1,2,3-Trichlorobenzene	180	7.292	7.292	0.0	78	264125	0	
84 Caprolactam	113	7.479	7.479	0.0	73	108965	5.68	
86 4-Chloro-3-methylphenol	107	7.592	7.592	0.0	77	346586	5.03	
87 2-Methylnaphthalene	142	7.762	7.762	0.0	81	548716	4.80	
88 1-Methylnaphthalene	142	7.848	7.848	0.0	79	525938	4.76	
90 1,2,3,5-Tetrachlorobenzene	216	7.891	7.891	0.0	81	275027	4.69	
89 Hexachlorocyclopentadiene	237	7.891	7.891	0.0	76	166020	4.91	
92 2,4,6-Trichlorophenol	196	7.987	7.987	0.0	81	175058	4.81	
93 2,4,5-Trichlorophenol	196	8.019	8.019	0.0	87	194064	4.85	
97 2,4-Toluene diamine	121	8.131	8.131	0.0	92	163634	5.04	
99 1,2,3,4 -Tetrachlorobenzene	216	8.147	8.147	0.0	82	273345	0	
98 1,1'-Biphenyl	154	8.152	8.152	0.0	94	714205	4.71	
100 2-Chloronaphthalene	162	8.179	8.179	0.0	94	547917	4.73	
102 2-Nitroaniline	65	8.249	8.249	0.0	69	259160	4.80	
105 Dimethyl phthalate	163	8.388	8.388	0.0	93	649097	4.75	
107 2,6-Dinitrotoluene	165	8.446	8.446	0.0	80	145657	5.13	
108 1,2-Dinitrobenzene	168	8.494	8.494	0.0	75	67242	4.82	
109 Acenaphthylene	152	8.537	8.537	0.0	86	896238	4.85	
110 3-Nitroaniline	138	8.591	8.591	0.0	76	150335	4.92	
111 2,4-Dinitrophenol	184	8.676	8.676	0.0	62	163179	9.37	
112 Acenaphthene	153	8.681	8.681	0.0	89	558117	4.76	
113 4-Nitrophenol	109	8.697	8.697	0.0	74	116122	5.17	
114 2,4-Dinitrotoluene	165	8.788	8.788	0.0	73	201562	5.29	
116 Dibenzofuran	168	8.826	8.826	0.0	87	794298	4.70	
118 2,3,5,6-Tetrachlorophenol	232	8.879	8.879	0.0	79	165313	4.97	
121 Diethyl phthalate	149	8.980	8.980	0.0	94	654113	4.84	
123 4-Chlorophenyl phenyl ether	204	9.098	9.098	0.0	90	354964	4.89	
125 4-Nitroaniline	138	9.109	9.109	0.0	76	168871	5.25	
126 Fluorene	166	9.114	9.114	0.0	61	663543	4.63	
128 4,6-Dinitro-2-methylphenol	198	9.130	9.130	0.0	78	123435	4.87	
131 N-Nitrosodiphenylamine	169	9.194	9.194	0.0	94	493931	4.86	
133 Azobenzene	77	9.237	9.237	0.0	93	1185511	4.79	
132 1,2-Diphenylhydrazine	77	9.237	9.237	0.0	100	1189886	4.81	
139 4-Bromophenyl phenyl ether	248	9.520	9.520	0.0	65	195097	5.26	
141 Hexachlorobenzene	284	9.584	9.584	0.0	75	177412	4.74	
142 Atrazine	200	9.622	9.622	0.0	78	171245	5.29	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.739	9.739	0.0	77	269472	10.0	
148 Phenanthrene	178	9.937	9.937	0.0	83	1026071	4.67	
149 Anthracene	178	9.979	9.979	0.0	83	1081012	4.91	
151 Carbazole	167	10.102	10.102	0.0	62	944678	4.79	
154 Di-n-butyl phthalate	149	10.359	10.359	0.0	99	1194742	4.93	
159 Fluoranthene	202	10.957	10.957	0.0	77	1194426	4.76	
160 Benzidine	184	11.053	11.053	0.0	82	589306	4.88	
161 Pyrene	202	11.176	11.176	0.0	77	1242411	5.07	
168 Butyl benzyl phthalate	149	11.785	11.785	0.0	84	530339	5.42	
172 3,3'-Dimethoxybenzidine	244	12.415	12.415	0.0	81	280563	5.29	
174 4,4'-Methylene bis(2-chloroanili	231	12.464	12.464	0.0	62	210935	5.34	
175 3,3'-Dichlorobenzidine	252	12.464	12.464	0.0	71	404452	5.14	
173 Bis(2-ethylhexyl) phthalate	149	12.485	12.485	0.0	93	782396	5.38	
177 Benzo[a]anthracene	228	12.522	12.522	0.0	81	1068335	4.85	
178 Chrysene	228	12.576	12.576	0.0	80	1008802	4.99	
180 Di-n-octyl phthalate	149	13.425	13.425	0.0	98	1267230	5.39	
182 Benzo[b]fluoranthene	252	14.077	14.077	0.0	81	1005481	4.90	
183 Benzo[k]fluoranthene	252	14.120	14.120	0.0	81	1049321	4.98	
184 Benzo[a]pyrene	252	14.595	14.595	0.0	75	973020	5.03	
188 Indeno[1,2,3-cd]pyrene	276	16.401	16.401	0.0	81	1077608	5.07	
189 Dibenz(a,h)anthracene	278	16.427	16.427	0.0	54	880540	5.05	
190 Benzo[g,h,i]perylene	276	16.881	16.881	0.0	86	910207	5.10	
S 191 Methyl Phenols,Total	100				0		10.1	

QC Flag Legend

Review Flags
M - Manually Integrated

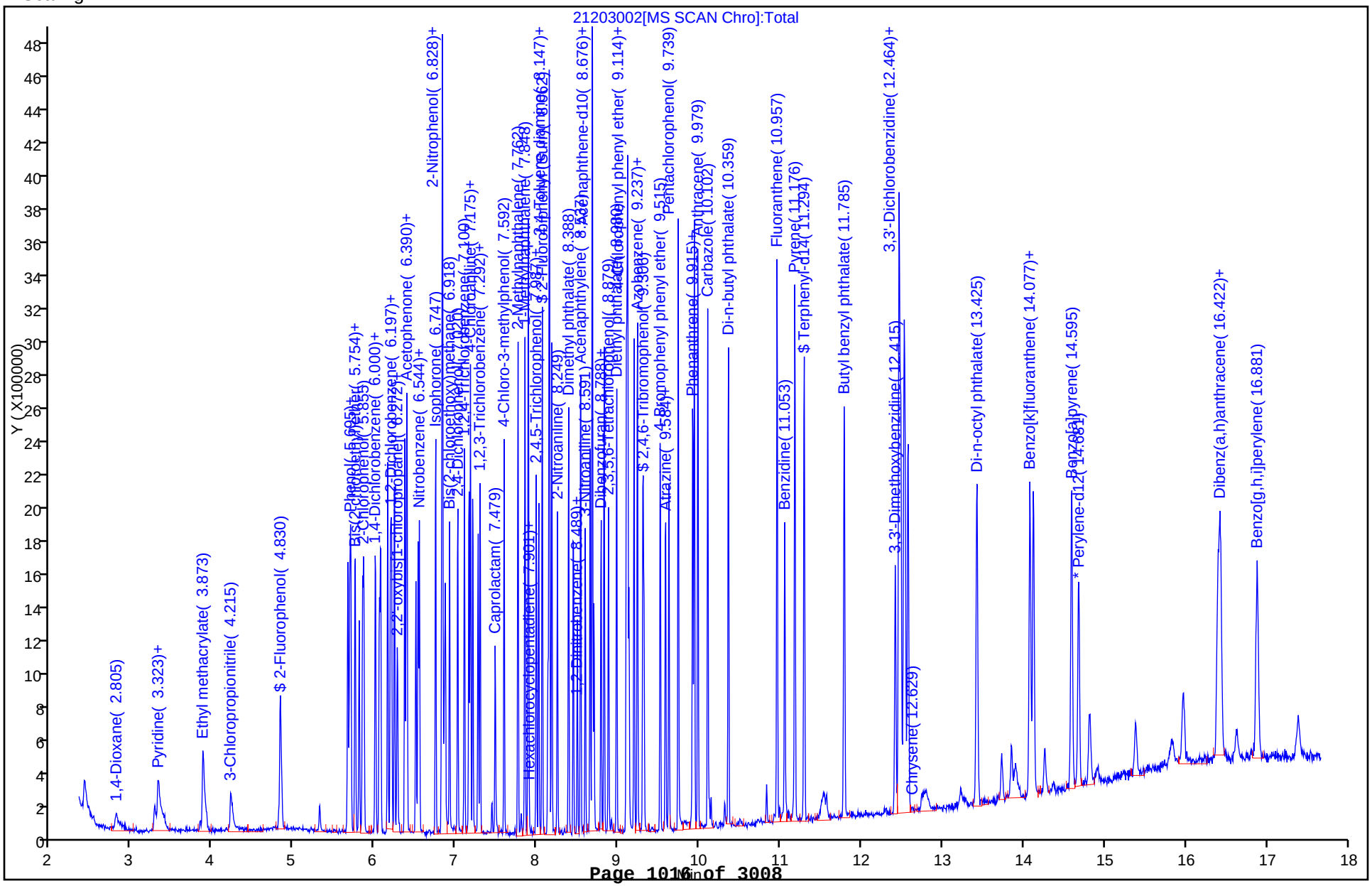
Report Date: 04-Dec-2012 08:01:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203002.D

Injection Date:	03-Dec-2012 11:32:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

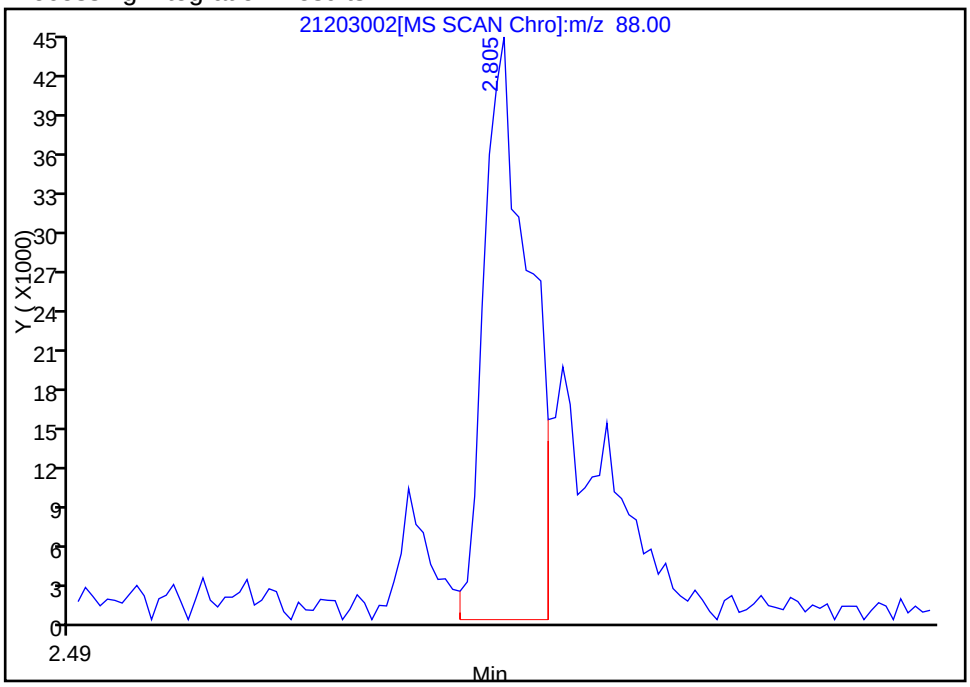
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203002.D		
Injection Date:	03-Dec-2012 11:32:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.80

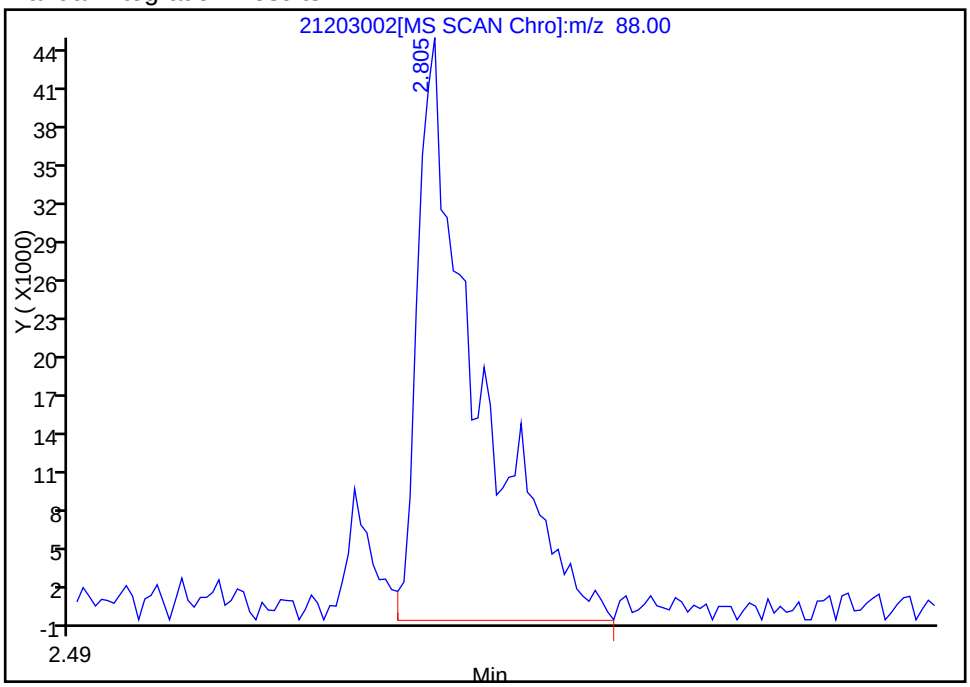
Processing Integration Results

RT: 2.80
Response: 100040
Amount: 5.000000



Manual Integration Results

RT: 2.80
Response: 154568
Amount: 5.079281



Reviewer: ulmanm, 03-Dec-2012 12:20:24
Audit Action: Manually Integrated
Audit Reason: Tailing or Fronting

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Lims ID:	std4 tcl	Client ID:	
Inject. Date:	03-Dec-2012 11:57:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015467-003		
Misc. Info.:	STD4 TCL =STD4 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	67070	Lims Sample ID:	3
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:18	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 12:35:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.053	6.053	0.0	82	161885	4.00	
* 2 Naphthalene-d8	136	7.159	7.159	0.0	98	675596	4.00	
* 3 Acenaphthene-d10	164	8.650	8.649	0.001	66	424933	4.00	
* 4 Phenanthrene-d10	188	9.916	9.915	0.001	80	757981	4.00	
* 5 Chrysene-d12	240	12.533	12.538	-0.005	79	749258	4.00	
* 6 Perylene-d12	264	14.676	14.681	-0.005	78	598639	4.00	
$ 7 2-Fluorophenol	112	4.830	4.830	0.0	92	128768	2.02	
$ 8 Phenol-d5	99	5.685	5.684	0.001	0	178013	1.94	
$ 9 Nitrobenzene-d5	82	6.529	6.528	0.001	83	194252	1.88	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.062	0.0	95	263515	1.87	
$ 11 2,4,6-Tribromophenol	330	9.317	9.317	0.0	69	33836	2.06	
$ 12 Terphenyl-d14	244	11.294	11.294	0.0	94	304916	1.99	
25 1,4-Dioxane	88	2.805	2.805	0.0	71	73600	2.34	M
26 N-Nitrosodimethylamine	74	3.302	3.275	0.027	73	67969	1.65	M
27 Pyridine	79	3.340	3.318	0.022	94	153463	1.82	
28 Ethyl methacrylate	69	3.879	3.879	0.0	77	161059	1.97	
29 3-Chloropropionitrile	54	4.221	4.215	0.006	91	57636	1.93	M
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.663	5.663	0.0	83	159811	1.92	
43 Phenol	94	5.701	5.700	0.001	93	199816	1.92	
44 Aniline	93	5.754	5.754	0.0	83	247876	1.90	
69 Bis(2-chloroethyl)ether	93	5.802	5.802	0.0	95	158390	1.97	
46 2-Chlorophenol	128	5.861	5.861	0.0	85	117271	1.98	
47 1,3-Dichlorobenzene	146	6.005	6.005	0.0	83	131225	2.06	
48 1,4-Dichlorobenzene	146	6.069	6.069	0.0	78	131422	2.05	
49 Benzyl alcohol	108	6.155	6.154	0.001	82	92107	1.89	
50 1,2-Dichlorobenzene	146	6.203	6.203	0.0	80	127458	2.06	
51 2-Methylphenol	108	6.235	6.240	-0.005	91	137096	1.97	
53 2,2'-oxybis[1-chloropropane]	45	6.272	6.272	0.0	96	163862	2.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.363	6.363	0.0	88	142155	1.92	
57 N-Nitrosodi-n-propylamine	70	6.385	6.384	0.001	73	136985	1.88	
58 Acetophenone	105	6.395	6.395	0.0	79	200038	1.86	
61 Hexachloroethane	117	6.502	6.502	0.0	88	62068	2.07	
62 Nitrobenzene	77	6.545	6.544	0.001	74	208929	1.92	
64 Isophorone	82	6.748	6.747	0.001	95	365723	1.84	
66 2-Nitrophenol	139	6.823	6.822	0.001	79	57138	1.93	
65 2,4-Dimethylphenol	107	6.828	6.828	0.0	93	162458	1.95	
67 1,3,5-Trichlorobenzene	180	6.833	6.833	0.0	86	124050	2.04	
71 Benzoic acid	122	6.855	6.865	-0.010	73	98753	4.13	M
70 Bis(2-chloroethoxy)methane	93	6.919	6.918	0.001	96	191667	1.89	
73 2,4-Dichlorophenol	162	7.020	7.020	0.0	90	96906	2.02	
74 1,2,4-Trichlorobenzene	180	7.100	7.100	0.0	76	124736	2.11	
75 Naphthalene	128	7.175	7.175	0.0	94	338015	1.82	
76 4-Chloroaniline	127	7.202	7.202	0.0	62	136785	1.86	
79 Hexachlorobutadiene	225	7.271	7.271	0.0	83	63712	1.97	
80 1,2,3-Trichlorobenzene	180	7.293	7.292	0.001	73	105880	0	
84 Caprolactam	113	7.474	7.479	-0.005	78	42653	2.18	
86 4-Chloro-3-methylphenol	107	7.592	7.592	0.0	81	141534	2.02	
87 2-Methylnaphthalene	142	7.763	7.762	0.001	85	225921	1.94	
88 1-Methylnaphthalene	142	7.848	7.848	0.0	81	211190	1.88	
90 1,2,3,5-Tetrachlorobenzene	216	7.891	7.891	0.0	85	115999	1.96	
89 Hexachlorocyclopentadiene	237	7.891	7.891	0.0	72	62483	1.83	
92 2,4,6-Trichlorophenol	196	7.987	7.987	0.0	80	72898	1.98	
93 2,4,5-Trichlorophenol	196	8.019	8.019	0.0	89	80751	1.99	
97 2,4-Toluene diamine	121	8.131	8.131	0.0	92	57287	1.73	
99 1,2,3,4 -Tetrachlorobenzene	216	8.147	8.147	0.0	86	118726	0	
98 1,1'-Biphenyl	154	8.147	8.152	-0.005	94	298603	1.95	
100 2-Chloronaphthalene	162	8.179	8.179	0.0	94	224430	1.92	
102 2-Nitroaniline	65	8.249	8.249	0.0	64	106992	1.96	
105 Dimethyl phthalate	163	8.388	8.388	0.0	93	262446	1.90	
107 2,6-Dinitrotoluene	165	8.447	8.446	0.001	74	55828	1.94	
108 1,2-Dinitrobenzene	168	8.495	8.494	0.001	70	25396	1.80	
109 Acenaphthylene	152	8.532	8.537	-0.005	66	351616	1.88	
110 3-Nitroaniline	138	8.591	8.591	0.001	78	60951	1.97	
111 2,4-Dinitrophenol	184	8.676	8.676	0.0	59	48766	3.90	
112 Acenaphthene	153	8.682	8.681	0.001	88	221678	1.87	
113 4-Nitrophenol	109	8.698	8.697	0.001	79	41218	1.81	
114 2,4-Dinitrotoluene	165	8.789	8.788	0.0	75	75165	1.95	
116 Dibenzofuran	168	8.826	8.826	0.0	85	326470	1.91	
118 2,3,5,6-Tetrachlorophenol	232	8.879	8.879	0.0	85	62062	1.85	
121 Diethyl phthalate	149	8.975	8.980	-0.005	92	261466	1.91	
123 4-Chlorophenyl phenyl ether	204	9.098	9.098	0.0	91	141595	1.93	
125 4-Nitroaniline	138	9.109	9.109	0.0	82	62979	1.94	
126 Fluorene	166	9.114	9.114	0.0	69	274254	1.89	
128 4,6-Dinitro-2-methylphenol	198	9.130	9.130	0.0	66	39778	1.98	
131 N-Nitrosodiphenylamine	169	9.195	9.194	0.0	97	206062	1.97	
133 Azobenzene	77	9.232	9.237	-0.005	94	459925	1.80	
132 1,2-Diphenylhydrazine	77	9.232	9.237	-0.005	100	457089	1.79	
139 4-Bromophenyl phenyl ether	248	9.515	9.520	-0.005	68	76066	1.99	
141 Hexachlorobenzene	284	9.584	9.584	0.0	77	75787	1.97	
142 Atrazine	200	9.622	9.622	0.0	80	69824	2.09	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.739	9.739	0.0	76	105285	4.12	
148 Phenanthrene	178	9.937	9.937	0.0	80	419489	1.85	
149 Anthracene	178	9.980	9.979	0.001	83	402882	1.78	
151 Carbazole	167	10.103	10.102	0.001	62	366937	1.81	
154 Di-n-butyl phthalate	149	10.359	10.359	0.0	99	473027	1.90	
159 Fluoranthene	202	10.957	10.957	0.0	76	494739	1.91	
160 Benzidine	184	11.054	11.053	0.001	84	179325	1.81	M
161 Pyrene	202	11.176	11.176	0.0	78	494245	1.91	
168 Butyl benzyl phthalate	149	11.785	11.785	0.0	83	201465	1.95	
172 3,3'-Dimethoxybenzidine	244	12.416	12.415	0.001	78	78653	1.84	
174 4,4'-Methylene bis(2-chloroanili	231	12.459	12.464	-0.005	68	79087	1.89	
175 3,3'-Dichlorobenzidine	252	12.459	12.464	-0.005	66	145915	1.92	
173 Bis(2-ethylhexyl) phthalate	149	12.485	12.485	0.0	96	307506	2.00	
177 Benzo[a]anthracene	228	12.523	12.522	0.001	89	435351	1.87	
178 Chrysene	228	12.571	12.576	-0.005	79	411538	1.92	
180 Di-n-octyl phthalate	149	13.420	13.425	-0.005	98	469921	2.10	
182 Benzo[b]fluoranthene	252	14.077	14.077	0.0	88	397416	1.92	
183 Benzo[k]fluoranthene	252	14.120	14.120	0.0	77	442164	2.07	
184 Benzo[a]pyrene	252	14.590	14.595	-0.005	75	379895	1.94	
188 Indeno[1,2,3-cd]pyrene	276	16.396	16.401	-0.005	80	426262	1.98	
189 Dibenz(a,h)anthracene	278	16.422	16.427	-0.005	31	359396	2.04	
190 Benzo[g,h,i]perylene	276	16.876	16.881	-0.005	77	352887	1.95	
S 191 Methyl Phenols,Total	100				0		3.89	

QC Flag Legend

Review Flags
M - Manually Integrated

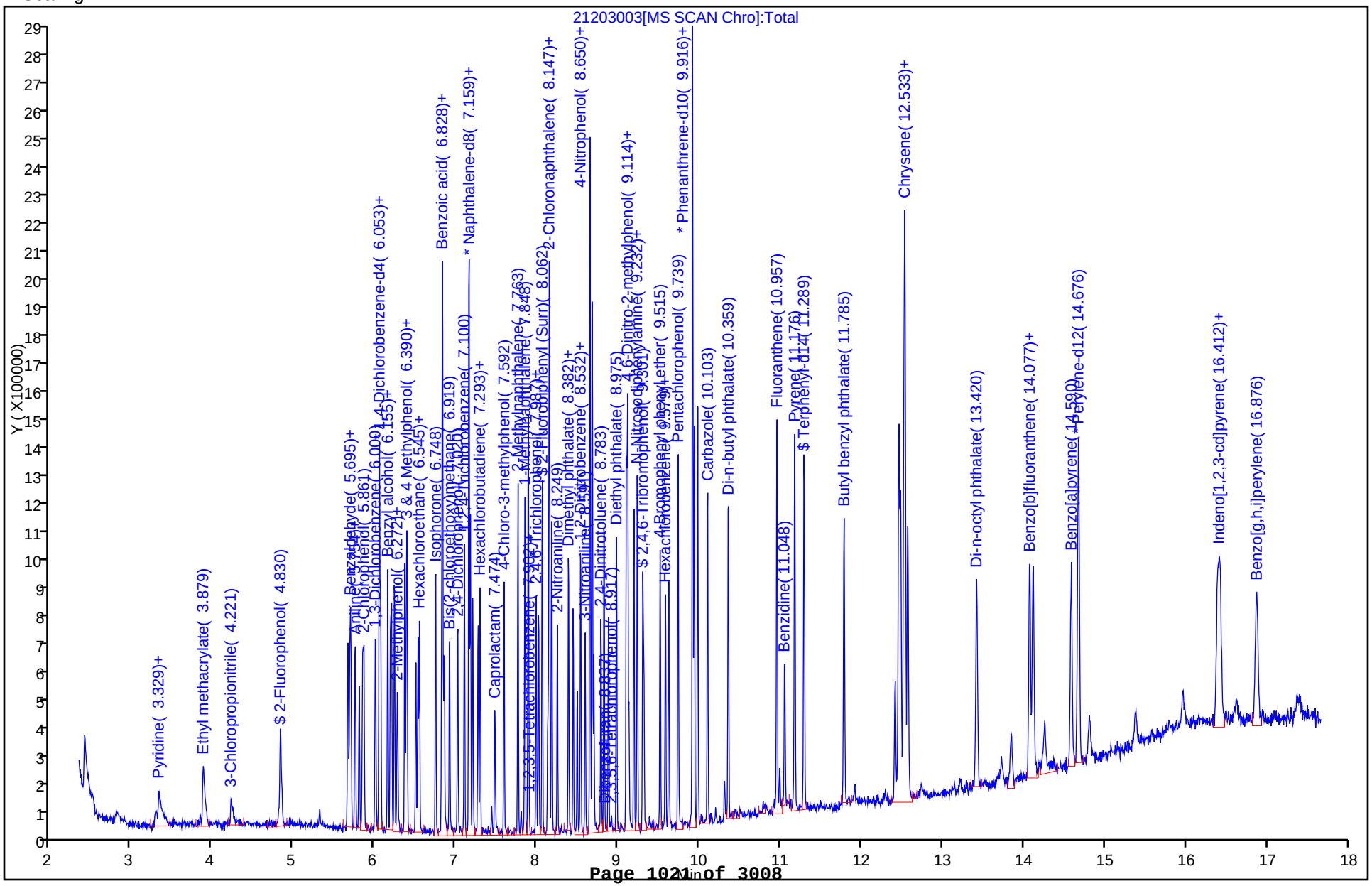
Report Date: 04-Dec-2012 08:01:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D

Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

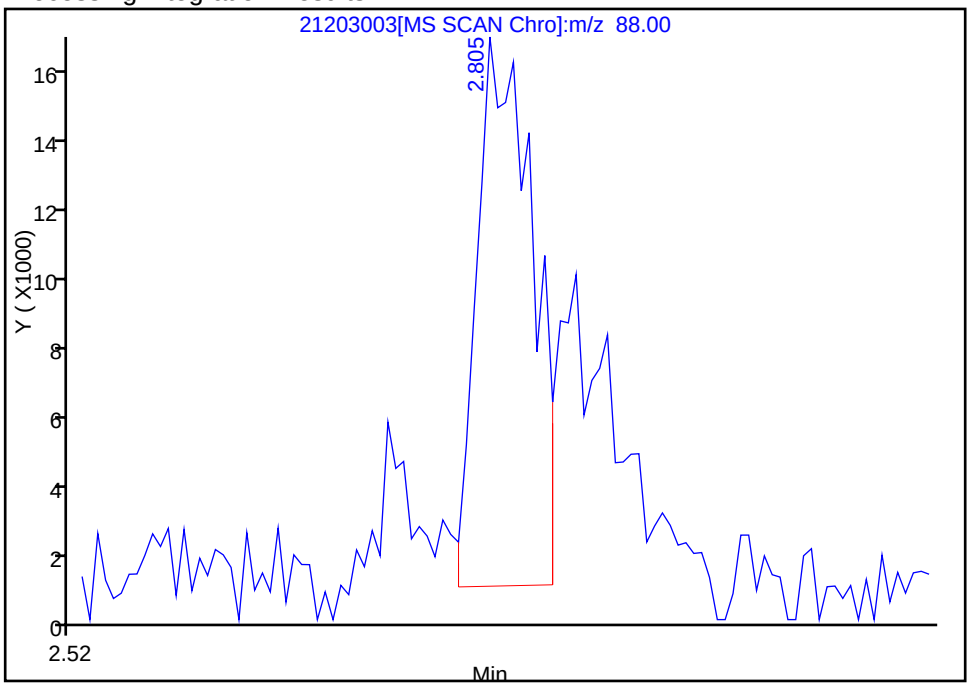
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.80

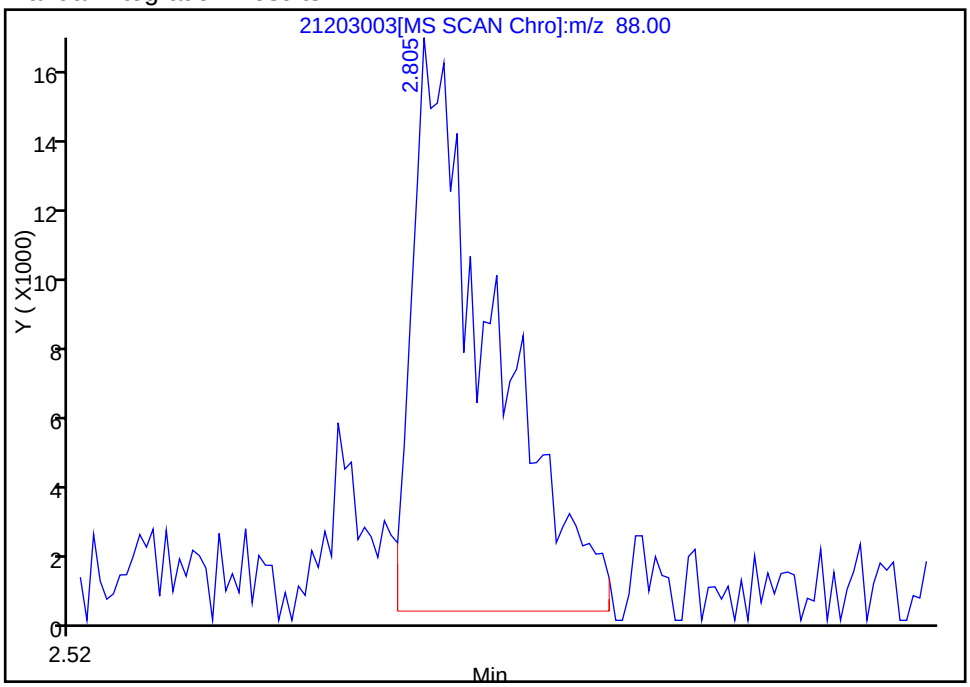
Processing Integration Results

RT: 2.81
Response: 41916
Amount: 1.585416



Manual Integration Results

RT: 2.81
Response: 73600
Amount: 2.342400



Reviewer: ulmanm, 03-Dec-2012 12:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

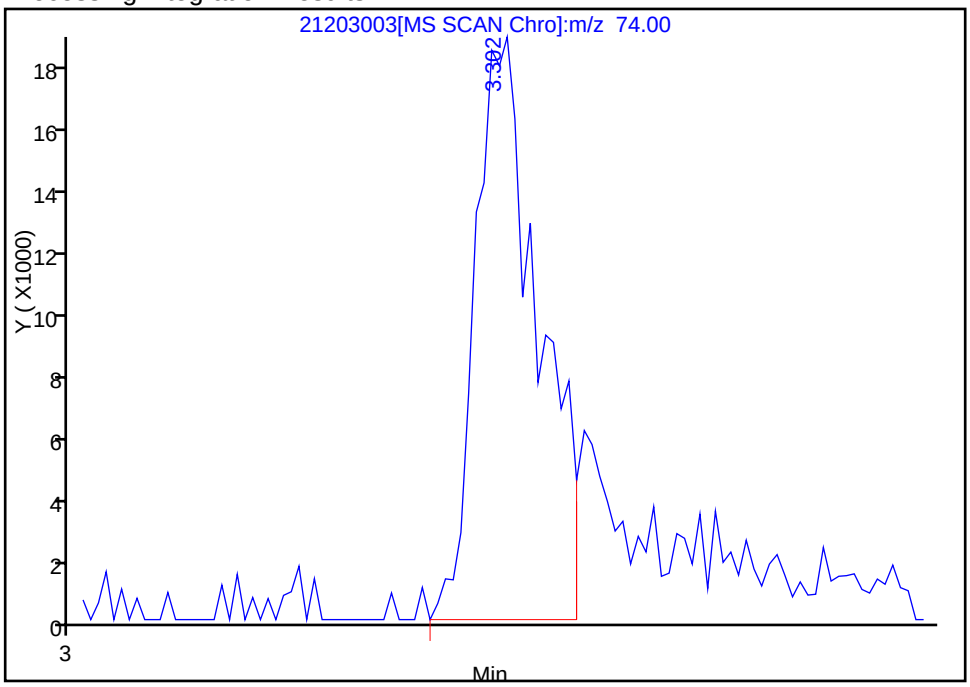
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.28

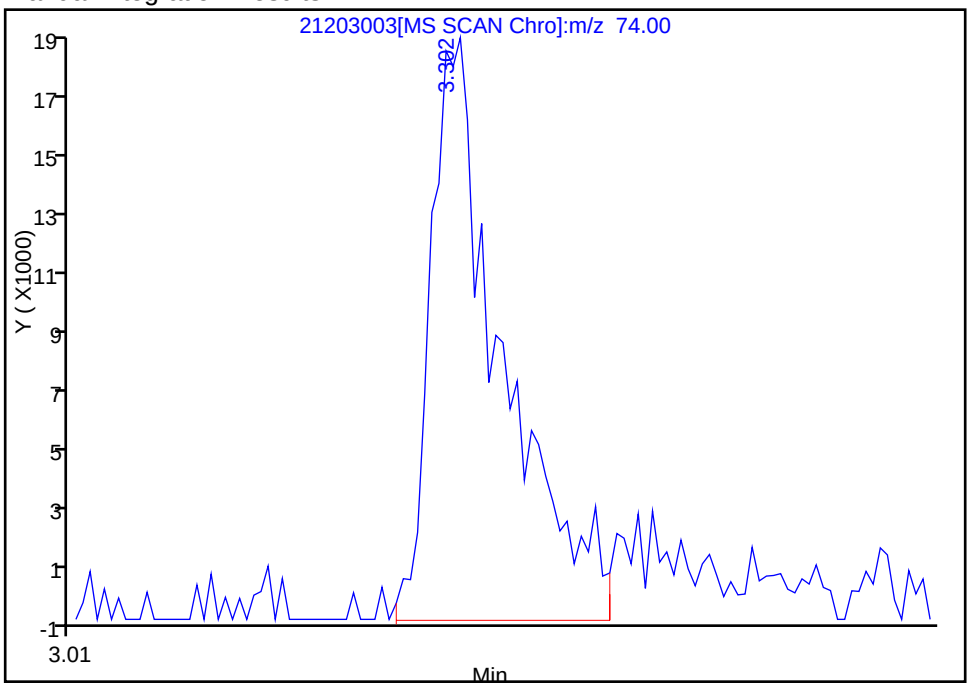
Processing Integration Results

RT: 3.30
Response: 55497
Amount: 1.706845



Manual Integration Results

RT: 3.30
Response: 67969
Amount: 1.646186



Reviewer: ulmanm, 03-Dec-2012 12:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

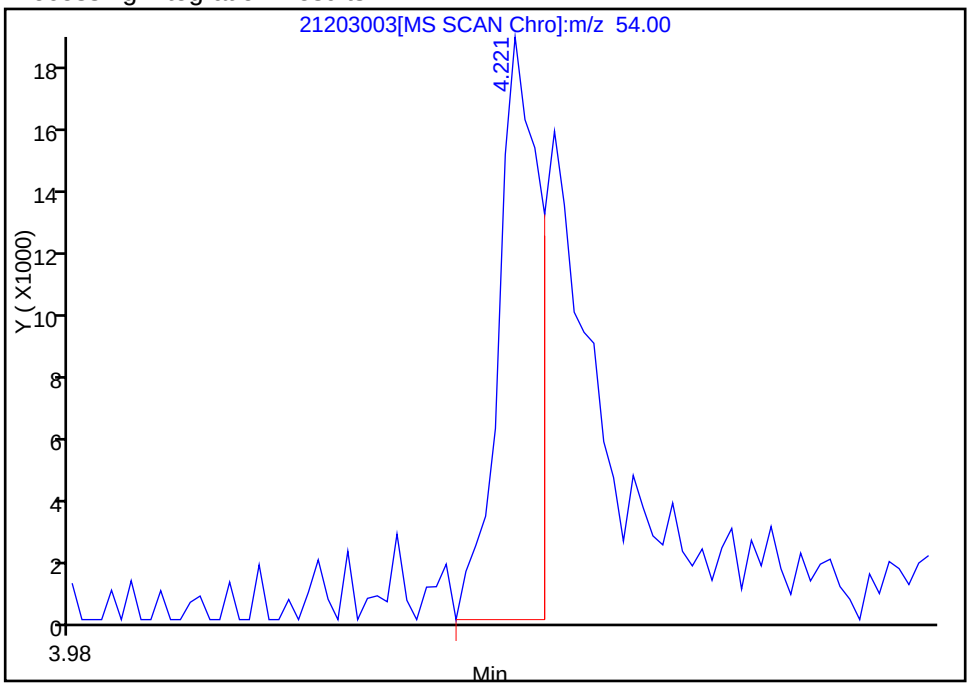
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

29 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.22

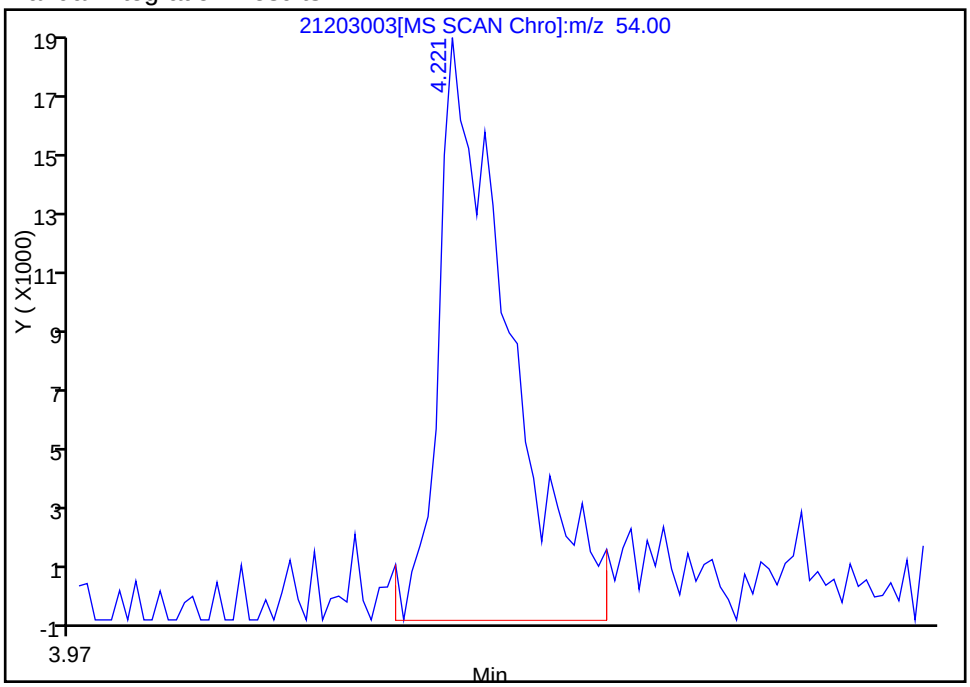
Processing Integration Results

RT: 4.22
Response: 28213
Amount: 1.354113



Manual Integration Results

RT: 4.22
Response: 57636
Amount: 1.930060



Reviewer: ulmanm, 03-Dec-2012 12:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 04-Dec-2012 08:01:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

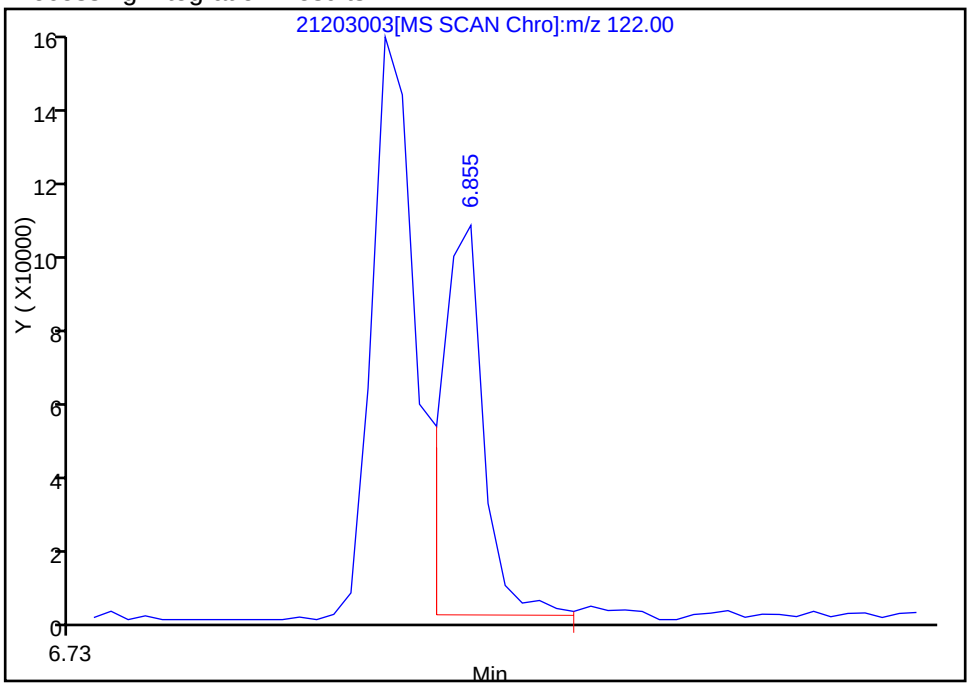
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.86

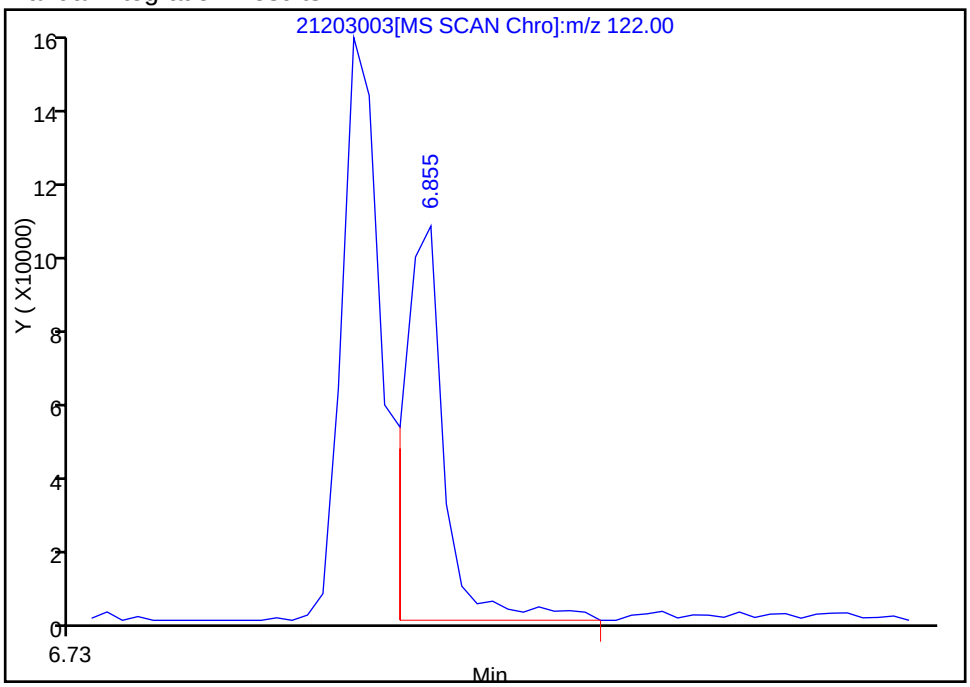
Processing Integration Results

RT: 6.85
Response: 92193
Amount: 3.536955



Manual Integration Results

RT: 6.85
Response: 98753
Amount: 4.125413



Reviewer: ulmanm, 03-Dec-2012 12:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

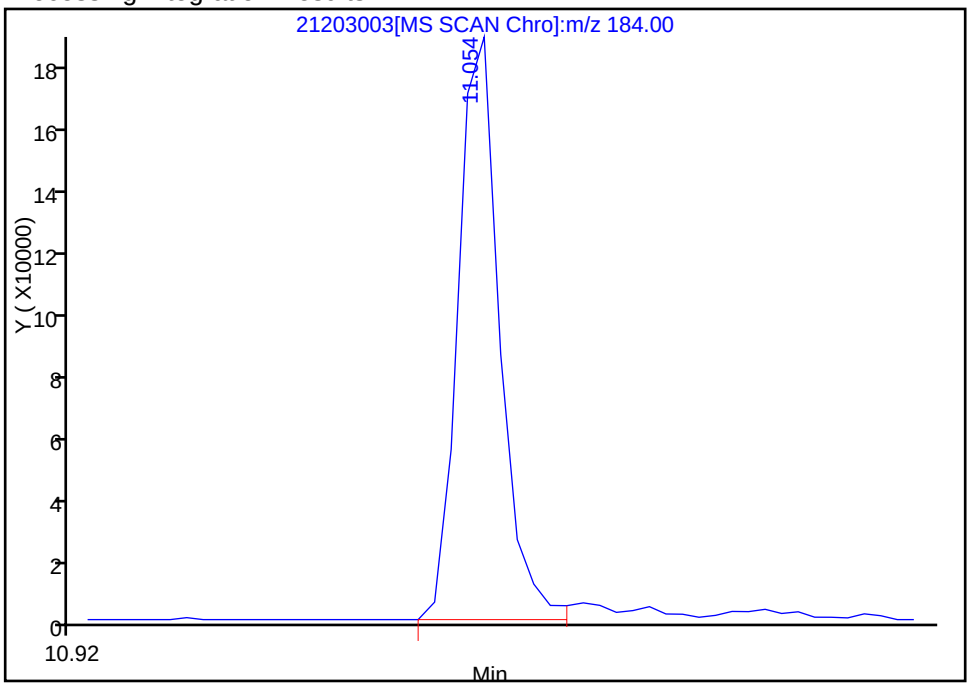
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 11.05

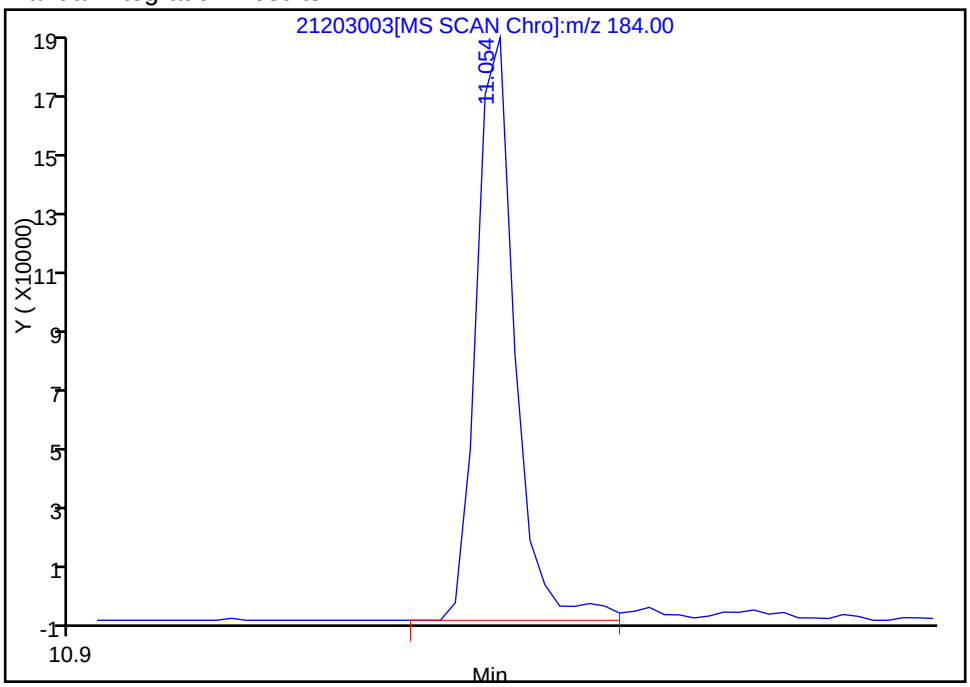
Processing Integration Results

RT: 11.05
Response: 175241
Amount: 1.650461



Manual Integration Results

RT: 11.05
Response: 179325
Amount: 1.812593



Reviewer: ulmanm, 03-Dec-2012 12:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D
Lims ID: std3 tcl
Client ID:
Inject. Date: 03-Dec-2012 12:23:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 3
Sample ID: 240-0015467-004
Misc. Info.: STD3 TCL =STD3 TCL
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 4
Lims Batch ID: 67070
Lims Sample ID: 4
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 08:01:19
Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm
Date: 03-Dec-2012 13:20:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.052	6.053	-0.001	87	180951	4.00	
* 2 Naphthalene-d8	136	7.158	7.159	-0.001	98	731197	4.00	
* 3 Acenaphthene-d10	164	8.654	8.649	0.005	67	458264	4.00	
* 4 Phenanthrene-d10	188	9.914	9.915	-0.001	74	827757	4.00	
* 5 Chrysene-d12	240	12.537	12.538	-0.001	76	808779	4.00	
* 6 Perylene-d12	264	14.674	14.681	-0.007	78	656164	4.00	
$ 7 2-Fluorophenol	112	4.829	4.830	-0.001	82	71467	1.00	
$ 8 Phenol-d5	99	5.689	5.684	0.005	0	83118	0.8085	
$ 9 Nitrobenzene-d5	82	6.527	6.528	-0.001	81	102066	0.9121	
$ 10 2-Fluorobiphenyl (Surr)	172	8.061	8.062	-0.001	92	139870	0.9191	
$ 11 2,4,6-Tribromophenol	330	9.316	9.317	-0.001	56	15445	0.8703	
$ 12 Terphenyl-d14	244	11.293	11.294	-0.001	94	140052	0.8453	
25 1,4-Dioxane	88	2.809	2.805	0.004	53	36233	1.03	
26 N-Nitrosodimethylamine	74	3.295	3.275	0.020	54	38998	0.8450	M
27 Pyridine	79	3.333	3.318	0.015	83	98326	1.04	M
28 Ethyl methacrylate	69	3.878	3.879	-0.001	65	88277	0.9664	M
29 3-Chloropropionitrile	54	4.225	4.215	0.010	61	32110	0.9620	M
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.662	5.663	-0.001	79	85156	0.9630	
43 Phenol	94	5.699	5.700	-0.001	92	104773	0.8995	
44 Aniline	93	5.753	5.754	-0.001	91	132878	0.9129	
69 Bis(2-chloroethyl)ether	93	5.801	5.802	-0.001	92	83963	0.9343	
46 2-Chlorophenol	128	5.860	5.861	-0.001	91	65098	0.9852	
47 1,3-Dichlorobenzene	146	6.004	6.005	-0.001	81	68057	0.9580	
48 1,4-Dichlorobenzene	146	6.068	6.069	-0.001	80	72462	1.01	
49 Benzyl alcohol	108	6.153	6.154	-0.001	76	47603	0.8740	
50 1,2-Dichlorobenzene	146	6.201	6.203	-0.002	78	72856	1.06	
51 2-Methylphenol	108	6.239	6.240	-0.001	93	70206	0.9036	
53 2,2'-oxybis[1-chloropropane]	45	6.271	6.272	-0.001	97	86200	0.9412	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.362	6.363	-0.001	89	76864	0.9296	
57 N-Nitrosodi-n-propylamine	70	6.383	6.384	-0.001	70	74460	0.9138	
58 Acetophenone	105	6.394	6.395	-0.001	79	111915	0.9325	
61 Hexachloroethane	117	6.501	6.502	-0.001	84	31356	0.9342	
62 Nitrobenzene	77	6.543	6.544	-0.001	74	107279	0.9107	
64 Isophorone	82	6.746	6.747	-0.001	93	180520	0.8402	
66 2-Nitrophenol	139	6.821	6.822	-0.001	83	30729	0.9568	
65 2,4-Dimethylphenol	107	6.832	6.828	0.004	95	86010	0.9535	
67 1,3,5-Trichlorobenzene	180	6.832	6.833	-0.001	75	62851	0.9536	
71 Benzoic acid	122	6.843	6.865	-0.022	0	43345	2.57	M
70 Bis(2-chloroethoxy)methane	93	6.917	6.918	-0.001	92	102759	0.9348	
73 2,4-Dichlorophenol	162	7.019	7.020	-0.001	88	50413	0.9730	
74 1,2,4-Trichlorobenzene	180	7.099	7.100	-0.001	80	59431	0.9274	
75 Naphthalene	128	7.174	7.175	-0.001	91	179633	0.8945	
76 4-Chloroaniline	127	7.206	7.202	0.004	59	76741	0.9663	
79 Hexachlorobutadiene	225	7.270	7.271	-0.001	80	34526	0.9879	
80 1,2,3-Trichlorobenzene	180	7.297	7.292	0.005	84	58785	0	
84 Caprolactam	113	7.473	7.479	-0.006	73	23626	1.12	
86 4-Chloro-3-methylphenol	107	7.590	7.592	-0.002	79	67551	0.8890	
87 2-Methylnaphthalene	142	7.761	7.762	-0.001	90	119237	0.9472	
88 1-Methylnaphthalene	142	7.847	7.848	-0.001	76	117141	0.9617	
90 1,2,3,5-Tetrachlorobenzene	216	7.890	7.891	-0.001	82	64586	1.01	
89 Hexachlorocyclopentadiene	237	7.890	7.891	-0.001	61	33939	0.9213	
92 2,4,6-Trichlorophenol	196	7.986	7.987	-0.001	81	39472	0.99	
93 2,4,5-Trichlorophenol	196	8.018	8.019	-0.001	88	45065	1.03	
97 2,4-Toluene diamine	121	8.130	8.131	-0.001	88	37351	1.04	
99 1,2,3,4 -Tetrachlorobenzene	216	8.146	8.147	-0.001	82	59425	0	
98 1,1'-Biphenyl	154	8.151	8.152	-0.001	87	155182	0.9375	
100 2-Chloronaphthalene	162	8.178	8.179	-0.001	96	120779	0.9560	
102 2-Nitroaniline	65	8.248	8.249	-0.001	68	53615	0.9115	
105 Dimethyl phthalate	163	8.386	8.388	-0.002	91	131956	0.8864	
107 2,6-Dinitrotoluene	165	8.445	8.446	-0.001	66	26244	0.8477	
108 1,2-Dinitrobenzene	168	8.493	8.494	-0.001	67	14355	0.9430	
109 Acenaphthylene	152	8.536	8.537	-0.001	92	179744	0.8918	
110 3-Nitroaniline	138	8.589	8.591	-0.001	82	29136	0.8749	
111 2,4-Dinitrophenol	184	8.675	8.676	-0.001	46	22221	2.54	
112 Acenaphthene	153	8.680	8.681	-0.001	81	112464	0.8798	
113 4-Nitrophenol	109	8.696	8.697	-0.001	77	22450	0.9161	
114 2,4-Dinitrotoluene	165	8.787	8.788	-0.001	70	33761	0.8127	
116 Dibenzofuran	168	8.824	8.826	-0.002	88	171901	0.9320	
118 2,3,5,6-Tetrachlorophenol	232	8.878	8.879	-0.001	86	33187	0.9156	
121 Diethyl phthalate	149	8.979	8.980	-0.001	92	130788	0.8875	
123 4-Chlorophenyl phenyl ether	204	9.097	9.098	-0.001	90	78374	0.9891	
125 4-Nitroaniline	138	9.108	9.109	-0.001	68	31051	0.8853	
126 Fluorene	166	9.113	9.114	-0.001	60	148698	0.9523	
128 4,6-Dinitro-2-methylphenol	198	9.129	9.130	-0.001	60	15977	1.15	
131 N-Nitrosodiphenylamine	169	9.193	9.194	-0.001	91	99063	0.8663	
133 Azobenzene	77	9.236	9.237	-0.001	93	238402	0.8562	
132 1,2-Diphenylhydrazine	77	9.236	9.237	-0.001	100	238402	0.8562	
139 4-Bromophenyl phenyl ether	248	9.519	9.520	-0.001	73	36737	0.8801	
141 Hexachlorobenzene	284	9.583	9.584	-0.001	80	38543	0.9152	
142 Atrazine	200	9.620	9.622	-0.002	79	34876	0.9579	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.738	9.739	-0.001	78	47995	1.99	
148 Phenanthrene	178	9.936	9.937	-0.001	80	229503	0.9280	
149 Anthracene	178	9.978	9.979	-0.001	83	219050	0.8842	
151 Carbazole	167	10.101	10.102	-0.001	78	190352	0.8579	
154 Di-n-butyl phthalate	149	10.358	10.359	-0.001	98	219458	0.8052	
159 Fluoranthene	202	10.956	10.957	-0.001	81	243024	0.8609	
160 Benzidine	184	11.052	11.053	-0.001	84	86398	1.11	
161 Pyrene	202	11.175	11.176	-0.001	78	251331	0.8981	
168 Butyl benzyl phthalate	149	11.784	11.785	-0.001	81	94335	0.8446	
172 3,3'-Dimethoxybenzidine	244	12.414	12.415	-0.001	74	39058	1.16	
174 4,4'-Methylene bis(2-chloroanili	231	12.462	12.464	-0.002	72	39962	0.8854	
175 3,3'-Dichlorobenzidine	252	12.462	12.464	-0.002	71	71021	0.99	
173 Bis(2-ethylhexyl) phthalate	149	12.484	12.485	-0.001	89	136001	0.8183	
177 Benzo[a]anthracene	228	12.521	12.522	-0.001	81	244392	0.9704	
178 Chrysene	228	12.569	12.576	-0.007	79	203554	0.8814	
180 Di-n-octyl phthalate	149	13.424	13.425	-0.001	97	201729	0.8598	
182 Benzo[b]fluoranthene	252	14.076	14.077	-0.001	83	214322	0.9423	
183 Benzo[k]fluoranthene	252	14.119	14.120	-0.002	81	206313	0.8820	
184 Benzo[a]pyrene	252	14.589	14.595	-0.006	64	191163	0.8903	
188 Indeno[1,2,3-cd]pyrene	276	16.394	16.401	-0.007	81	224422	0.9515	M
189 Dibenz(a,h)anthracene	278	16.426	16.427	-0.001	65	178133	0.9202	
190 Benzo[g,h,i]perylene	276	16.875	16.881	-0.006	72	178013	0.8986	
S 191 Methyl Phenols,Total	100				0		1.83	

QC Flag Legend

Review Flags
M - Manually Integrated

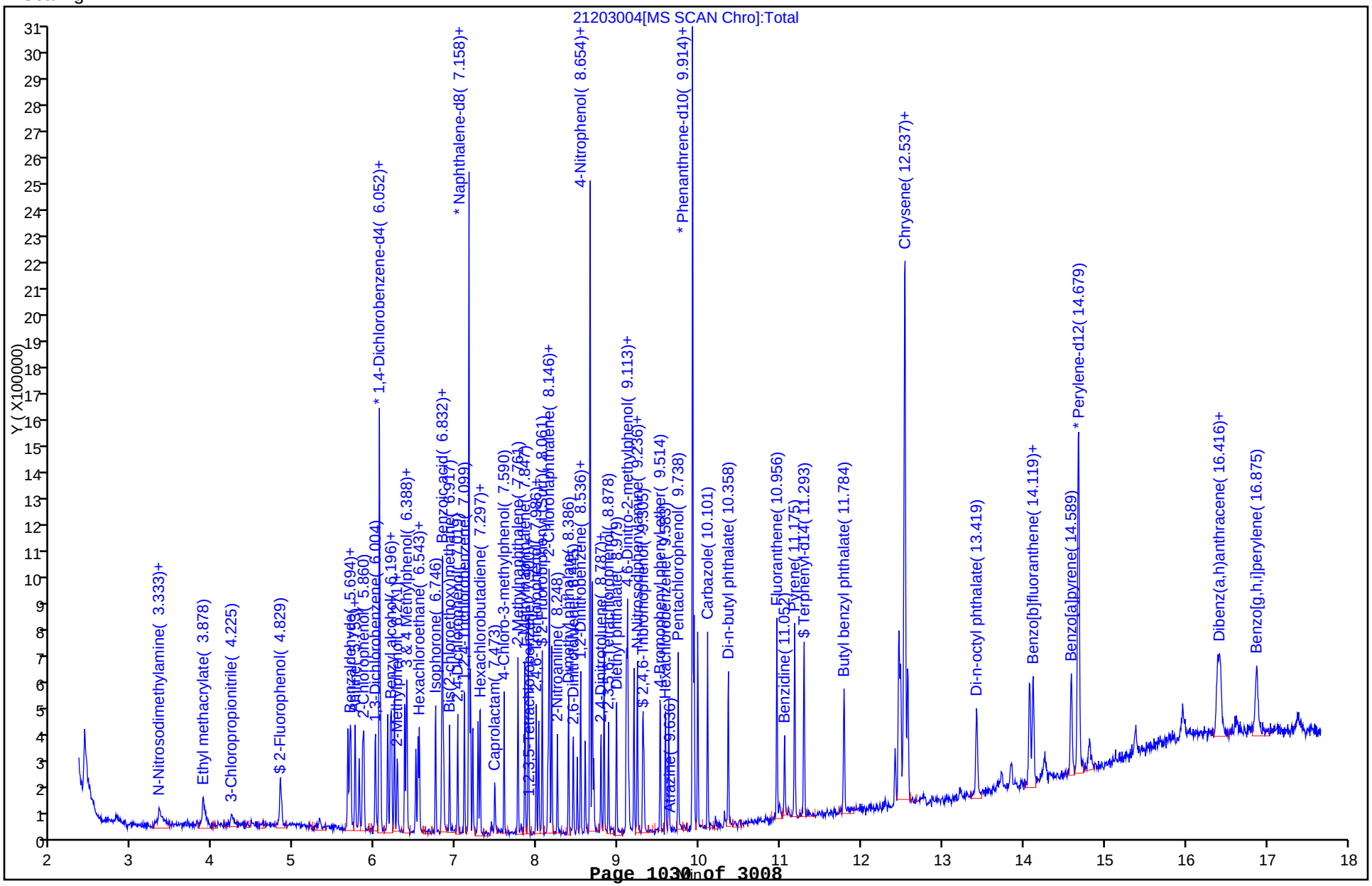
Report Date: 04-Dec-2012 08:01:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D

Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

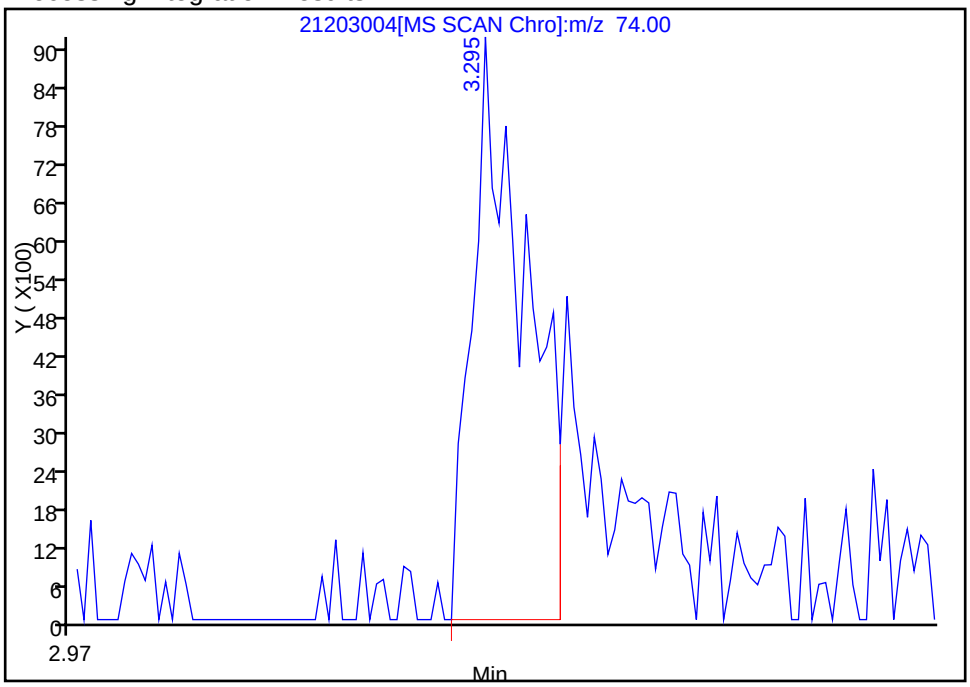
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.28

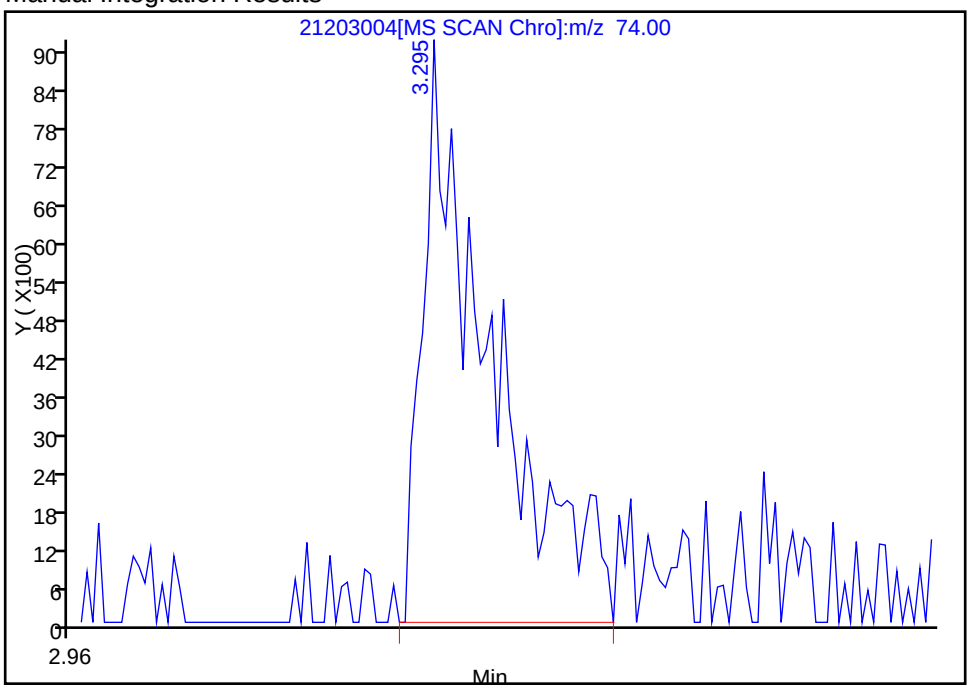
Processing Integration Results

RT: 3.30
Response: 26879
Amount: 0.756892



Manual Integration Results

RT: 3.30
Response: 38998
Amount: 0.844999



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

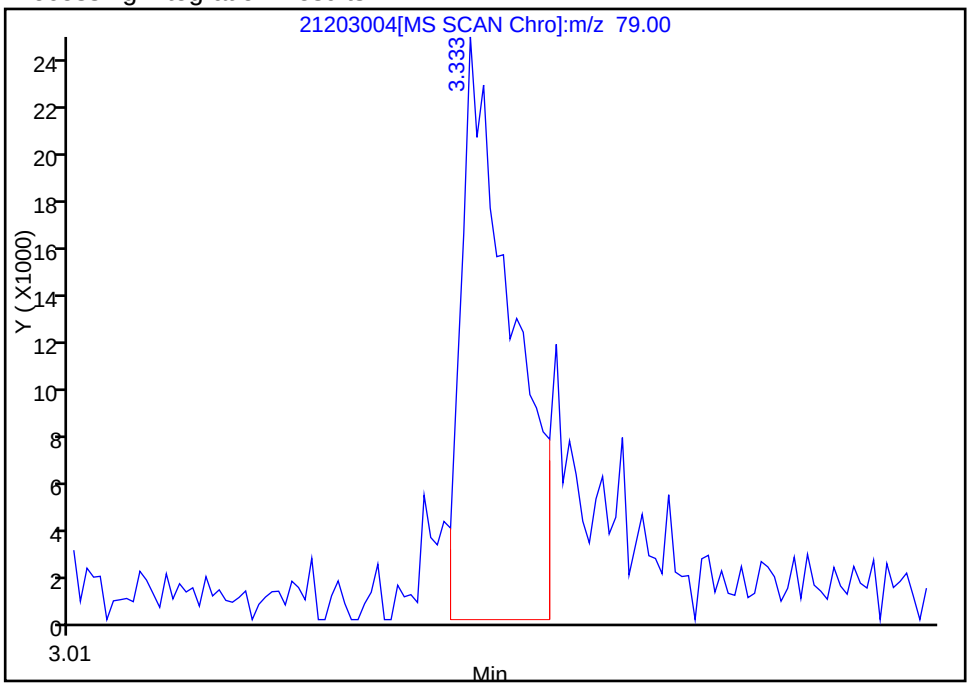
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.32

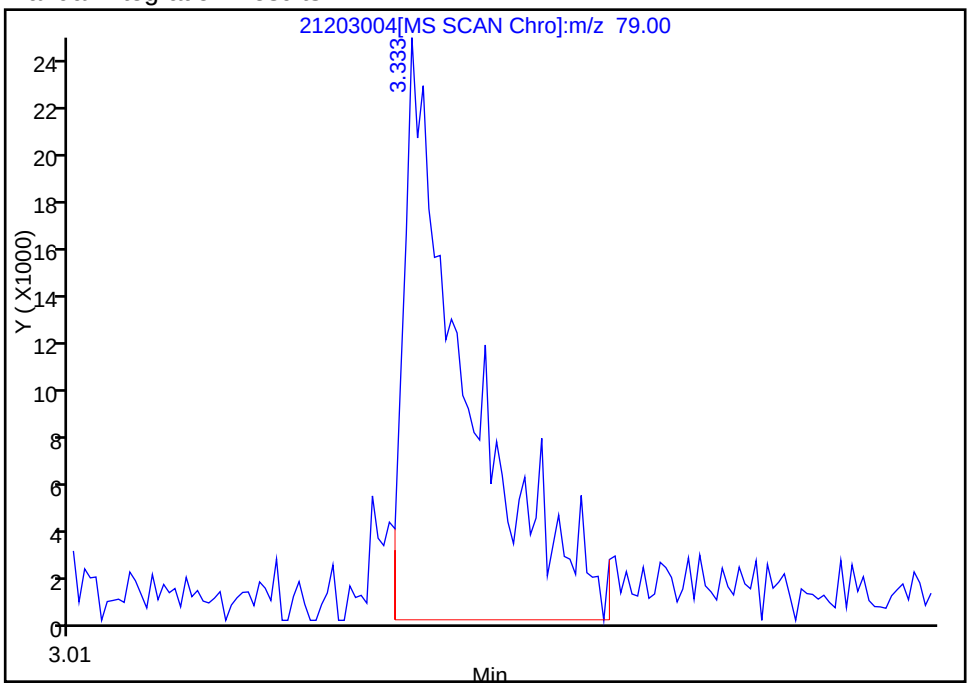
Processing Integration Results

RT: 3.33
Response: 68455
Amount: 0.834802



Manual Integration Results

RT: 3.33
Response: 98326
Amount: 1.044078



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

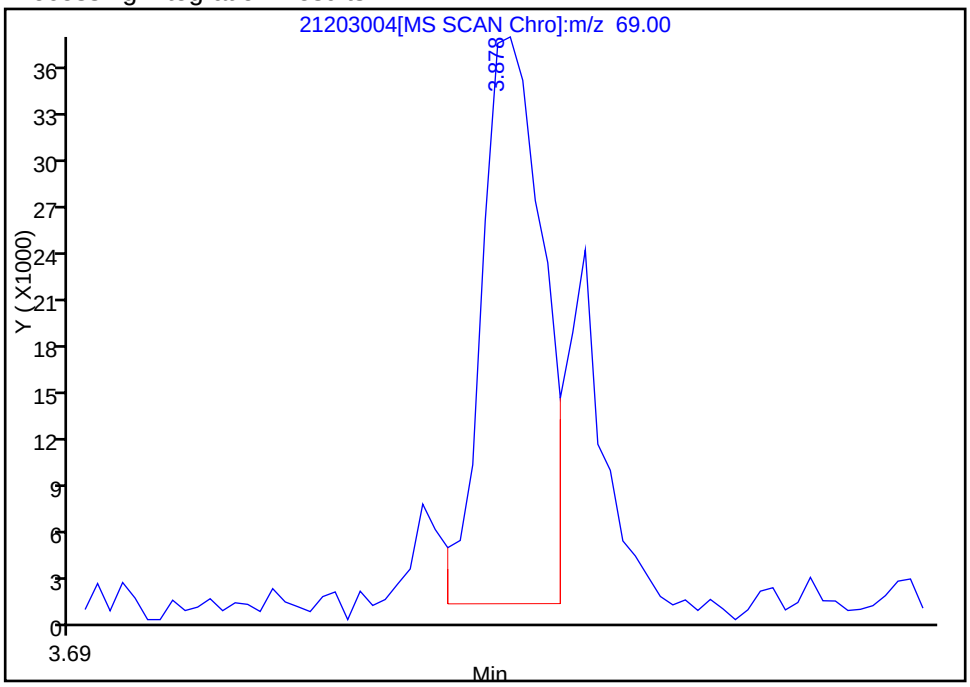
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.88

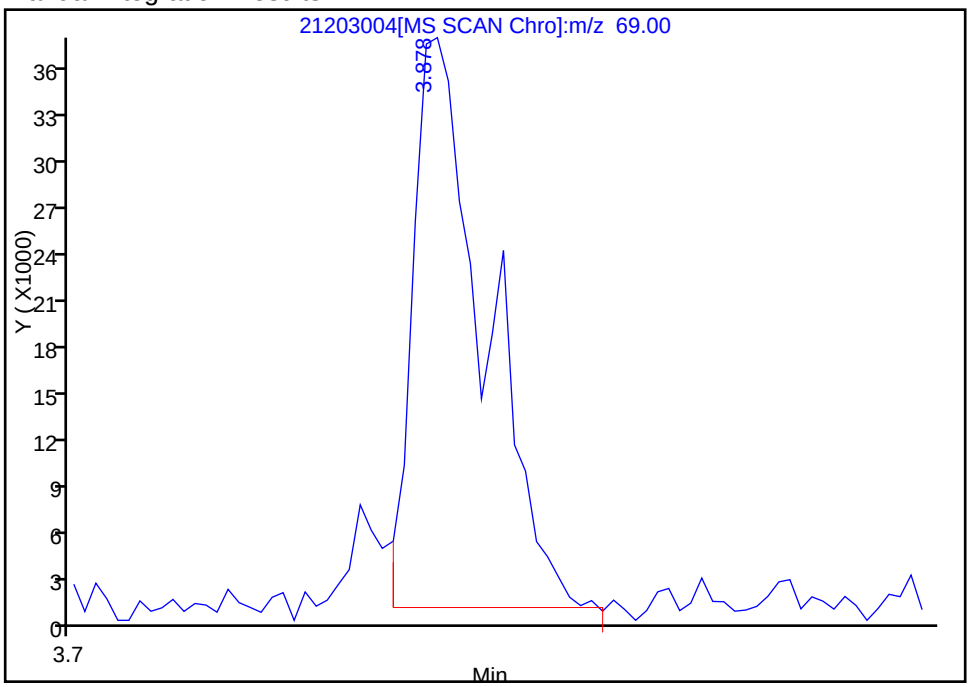
Processing Integration Results

RT: 3.88
Response: 66442
Amount: 0.817365



Manual Integration Results

RT: 3.88
Response: 88277
Amount: 0.966433



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

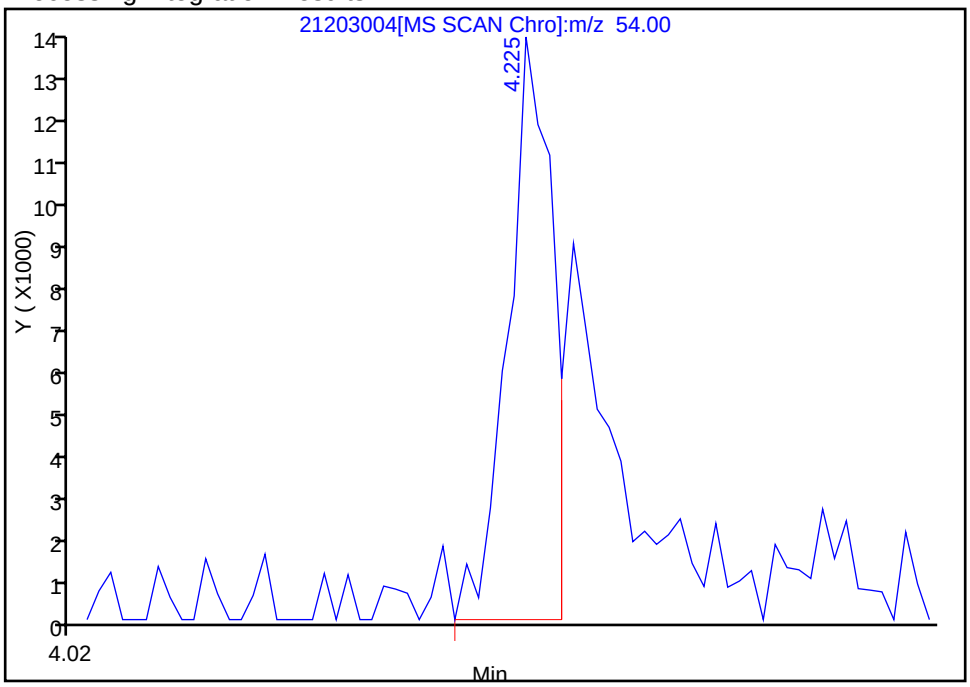
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

29 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.22

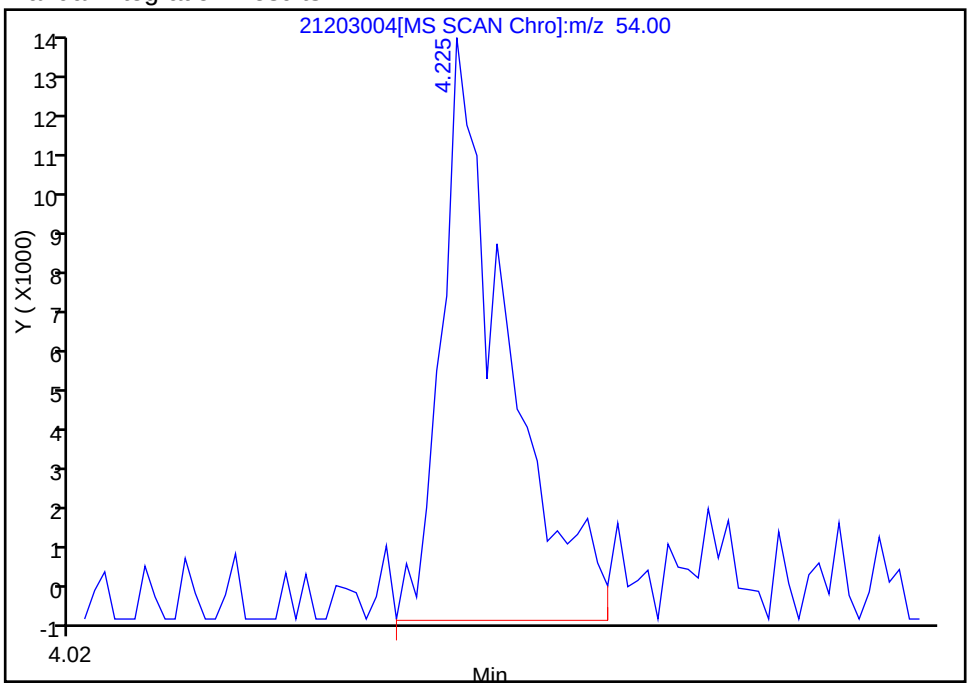
Processing Integration Results

RT: 4.22
Response: 18910
Amount: 0.692404



Manual Integration Results

RT: 4.22
Response: 32110
Amount: 0.961973



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

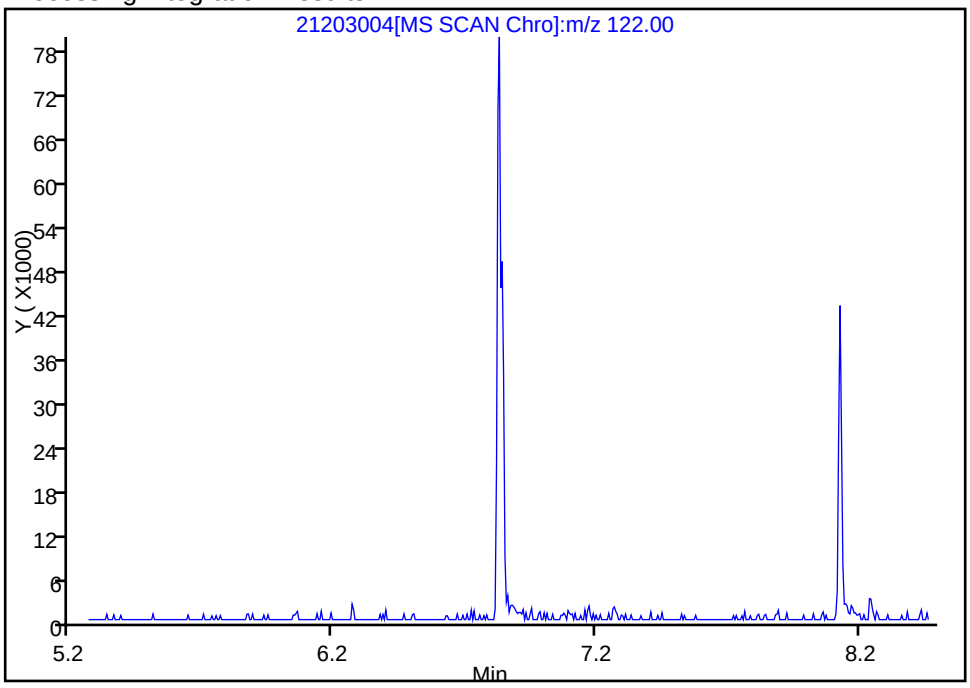
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.86

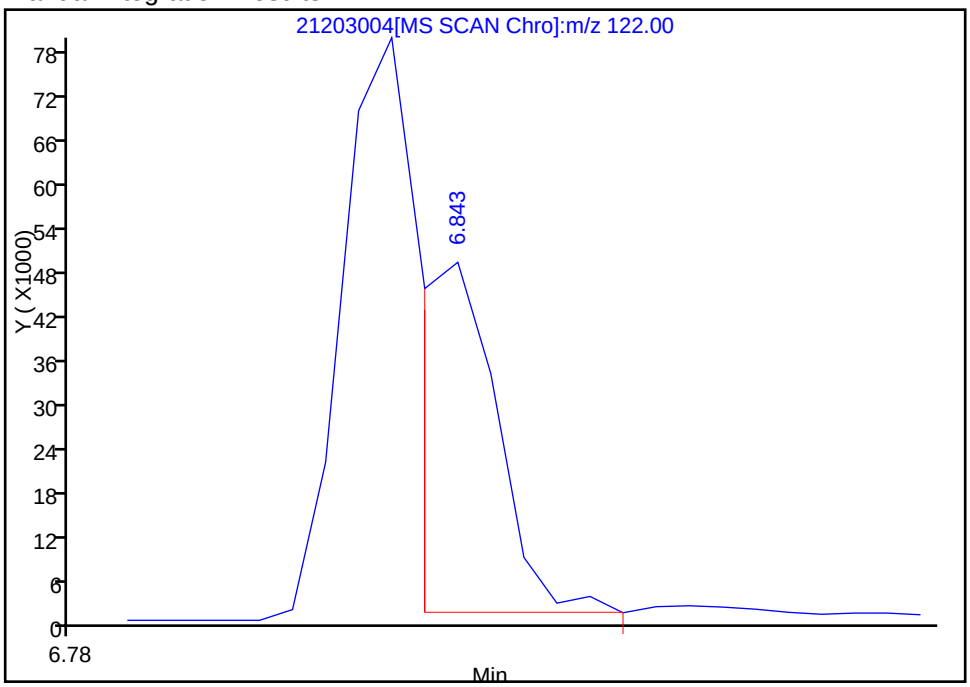
Processing Integration Results

Not Detected
Expected RT: 6.86



Manual Integration Results

RT: 6.84
Response: 43345
Amount: 2.573190



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

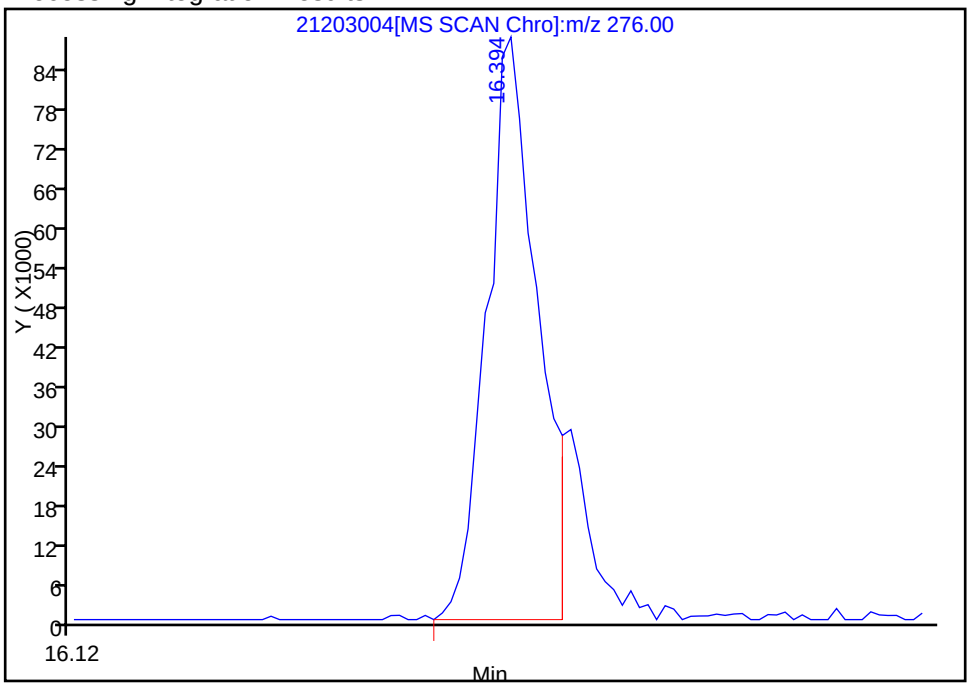
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.40

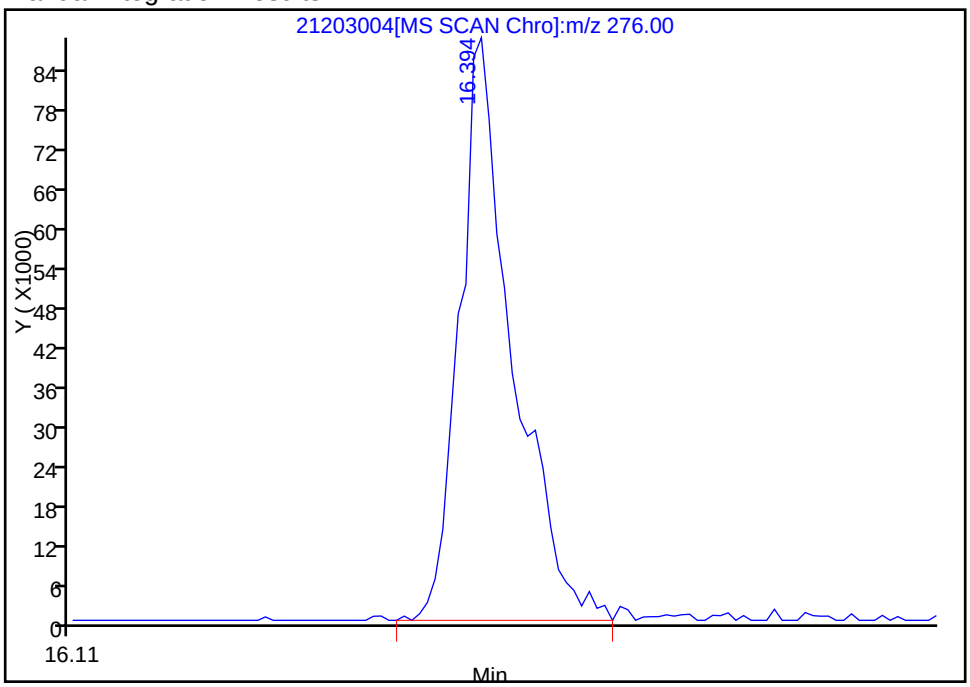
Processing Integration Results

RT: 16.39
Response: 193958
Amount: 0.872884



Manual Integration Results

RT: 16.39
Response: 224422
Amount: 0.951466



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D		
Lims ID:	std2 tcl	Client ID:	
Inject. Date:	03-Dec-2012 12:48:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015467-005		
Misc. Info.:	STD2 TCL =STD2 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	67070	Lims Sample ID:	5
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:21	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 13:30:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.053	6.053	0.0	87	166689	4.00	
* 2 Naphthalene-d8	136	7.159	7.159	0.0	98	690277	4.00	
* 3 Acenaphthene-d10	164	8.649	8.649	0.0	62	424077	4.00	
* 4 Phenanthrene-d10	188	9.916	9.915	0.001	76	777415	4.00	
* 5 Chrysene-d12	240	12.533	12.538	-0.005	76	773850	4.00	
* 6 Perylene-d12	264	14.675	14.681	-0.006	76	601643	4.00	
$ 7 2-Fluorophenol	112	4.830	4.830	0.0	72	31278	0.4769	
$ 8 Phenol-d5	99	5.685	5.684	0.001	0	46578	0.4918	
$ 9 Nitrobenzene-d5	82	6.529	6.528	0.001	77	51904	0.4913	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.062	0.0	87	63034	0.4476	
$ 11 2,4,6-Tribromophenol	330	9.317	9.317	0.0	37	6525	0.3973	
$ 12 Terphenyl-d14	244	11.288	11.294	-0.006	92	77875	0.4912	
25 1,4-Dioxane	88		2.805					M
26 N-Nitrosodimethylamine	74		3.275					M
27 Pyridine	79	3.350	3.318	0.032	82	40196	0.4633	M
28 Ethyl methacrylate	69	3.879	3.879	0.0	67	47787	0.5679	M
29 3-Chloropropionitrile	54	4.226	4.215	0.011	57	12811	0.4166	M
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.663	5.663	0.0	76	45364	0.6037	
43 Phenol	94	5.701	5.700	0.001	79	50968	0.4750	
44 Aniline	93	5.754	5.754	0.0	78	60535	0.4515	
69 Bis(2-chloroethyl)ether	93	5.802	5.802	0.0	86	40700	0.4916	
46 2-Chlorophenol	128	5.861	5.861	0.0	79	28679	0.4712	
47 1,3-Dichlorobenzene	146	6.000	6.005	-0.005	72	29838	0.4559	
48 1,4-Dichlorobenzene	146	6.069	6.069	0.0	46	32037	0.4847	
49 Benzyl alcohol	108	6.155	6.154	0.001	73	25678	0.5118	
50 1,2-Dichlorobenzene	146	6.203	6.203	0.0	81	29726	0.4673	
51 2-Methylphenol	108	6.235	6.240	-0.005	86	32023	0.4474	
53 2,2'-oxybis[1-chloropropane]	45	6.272	6.272	0.0	95	41429	0.4910	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.363	6.363	0.0	81	32008	0.4202	
57 N-Nitrosodi-n-propylamine	70	6.384	6.384	0.0	60	35519	0.4732	
58 Acetophenone	105	6.390	6.395	-0.005	88	53016	0.4795	
61 Hexachloroethane	117	6.502	6.502	0.0	87	17103	0.5531	
62 Nitrobenzene	77	6.545	6.544	0.001	75	52311	0.4704	
64 Isophorone	82	6.742	6.747	-0.005	83	87765	0.4327	
66 2-Nitrophenol	139	6.822	6.822	0.0	76	10971	0.3618	
65 2,4-Dimethylphenol	107	6.828	6.828	0.0	90	42386	0.4977	
67 1,3,5-Trichlorobenzene	180	6.828	6.833	-0.005	64	33020	0.5307	
71 Benzoic acid	122		6.865					
70 Bis(2-chloroethoxy)methane	93	6.919	6.918	0.001	87	47277	0.4556	
73 2,4-Dichlorophenol	162	7.020	7.020	0.0	79	21517	0.4399	
74 1,2,4-Trichlorobenzene	180	7.100	7.100	0.0	80	31931	0.5278	
75 Naphthalene	128	7.175	7.175	0.0	68	85728	0.4522	
76 4-Chloroaniline	127	7.202	7.202	0.0	78	33909	0.4523	
79 Hexachlorobutadiene	225	7.271	7.271	0.0	71	17181	0.5208	
80 1,2,3-Trichlorobenzene	180	7.293	7.292	0.001	75	31708	0	
84 Caprolactam	113	7.480	7.479	0.001	68	7176	0.3597	
86 4-Chloro-3-methylphenol	107	7.586	7.592	-0.006	75	32042	0.4467	
87 2-Methylnaphthalene	142	7.763	7.762	0.001	73	51331	0.4319	
88 1-Methylnaphthalene	142	7.848	7.848	0.0	78	57695	0.5017	
90 1,2,3,5-Tetrachlorobenzene	216	7.891	7.891	0.0	70	28675	0.4846	
89 Hexachlorocyclopentadiene	237	7.891	7.891	0.0	64	14882	0.4365	
92 2,4,6-Trichlorophenol	196	7.987	7.987	0.0	77	16004	0.4359	
93 2,4,5-Trichlorophenol	196	8.019	8.019	0.0	71	18537	0.4588	
97 2,4-Toluene diamine	121	8.131	8.131	0.0	87	21489	0.6355	
99 1,2,3,4 -Tetrachlorobenzene	216	8.142	8.147	-0.005	83	30836	0	
98 1,1'-Biphenyl	154	8.153	8.152	0.001	84	67250	0.4390	
100 2-Chloronaphthalene	162	8.179	8.179	0.0	91	58061	0.4966	
102 2-Nitroaniline	65	8.249	8.249	0.0	49	23252	0.4272	
105 Dimethyl phthalate	163	8.388	8.388	0.0	92	64582	0.4688	
107 2,6-Dinitrotoluene	165	8.441	8.446	-0.005	72	11264	0.3932	
108 1,2-Dinitrobenzene	168	8.495	8.494	0.001	66	6247	0.4435	
109 Acenaphthylene	152	8.532	8.537	-0.005	89	81803	0.4386	
110 3-Nitroaniline	138	8.591	8.591	0.001	73	13218	0.4289	
111 2,4-Dinitrophenol	184		8.676					
112 Acenaphthene	153	8.682	8.681	0.001	77	54532	0.4610	
113 4-Nitrophenol	109	8.698	8.697	0.001	61	9038	0.3985	
114 2,4-Dinitrotoluene	165	8.788	8.788	0.0	66	15069	0.3920	
116 Dibenzofuran	168	8.826	8.826	0.0	86	78985	0.4627	
118 2,3,5,6-Tetrachlorophenol	232		8.879					
121 Diethyl phthalate	149	8.975	8.980	-0.005	89	61444	0.4506	
123 4-Chlorophenyl phenyl ether	204	9.098	9.098	0.0	84	34272	0.4674	
125 4-Nitroaniline	138	9.109	9.109	0.0	65	11792	0.3633	
126 Fluorene	166	9.114	9.114	0.0	72	65725	0.4549	
128 4,6-Dinitro-2-methylphenol	198		9.130					9
131 N-Nitrosodiphenylamine	169	9.194	9.194	0.0	87	48999	0.4562	
133 Azobenzene	77	9.232	9.237	-0.005	92	114275	0.4370	
132 1,2-Diphenylhydrazine	77	9.232	9.237	-0.005	98	114275	0.4370	
139 4-Bromophenyl phenyl ether	248	9.520	9.520	0.0	66	17853	0.4554	
141 Hexachlorobenzene	284	9.584	9.584	0.0	70	20402	0.5158	
142 Atrazine	200	9.622	9.622	0.0	60	15010	0.4390	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.739	9.739	0.0	61	16525	1.01	
148 Phenanthrene	178	9.937	9.937	0.0	71	99497	0.4284	
149 Anthracene	178	9.980	9.979	0.001	80	98547	0.4236	
151 Carbazole	167	10.103	10.102	0.001	56	92268	0.4428	
154 Di-n-butyl phthalate	149	10.359	10.359	0.0	97	98705	0.3856	
159 Fluoranthene	202	10.957	10.957	0.0	79	118828	0.4482	
160 Benzidine	184	11.053	11.053	0.0	72	36712	0.7938	M
161 Pyrene	202	11.176	11.176	0.0	77	118483	0.4425	
168 Butyl benzyl phthalate	149	11.785	11.785	0.0	65	39327	0.3680	
172 3,3'-Dimethoxybenzidine	244		12.415					
174 4,4'-Methylene bis(2-chloroanili	231	12.458	12.464	-0.006	61	16346	0.3785	
175 3,3'-Dichlorobenzidine	252	12.464	12.464	0.0	52	30506	0.5695	
173 Bis(2-ethylhexyl) phthalate	149	12.485	12.485	0.0	89	67372	0.4237	
177 Benzo[a]anthracene	228	12.523	12.522	0.001	85	106544	0.4421	
178 Chrysene	228	12.571	12.576	-0.005	78	99002	0.4480	
180 Di-n-octyl phthalate	149	13.420	13.425	-0.005	89	79031	0.3906	
182 Benzo[b]fluoranthene	252	14.077	14.077	0.0	80	83398	0.3999	
183 Benzo[k]fluoranthene	252	14.114	14.120	-0.006	81	97055	0.4525	
184 Benzo[a]pyrene	252	14.595	14.595	0.0	55	83098	0.4221	
188 Indeno[1,2,3-cd]pyrene	276	16.390	16.401	-0.011	84	93370	0.4317	
189 Dibenz(a,h)anthracene	278	16.422	16.427	-0.005	18	76682	0.4320	
190 Benzo[g,h,i]perylene	276	16.871	16.881	-0.010	80	82030	0.4516	
S 191 Methyl Phenols,Total	100				0		0.8676	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

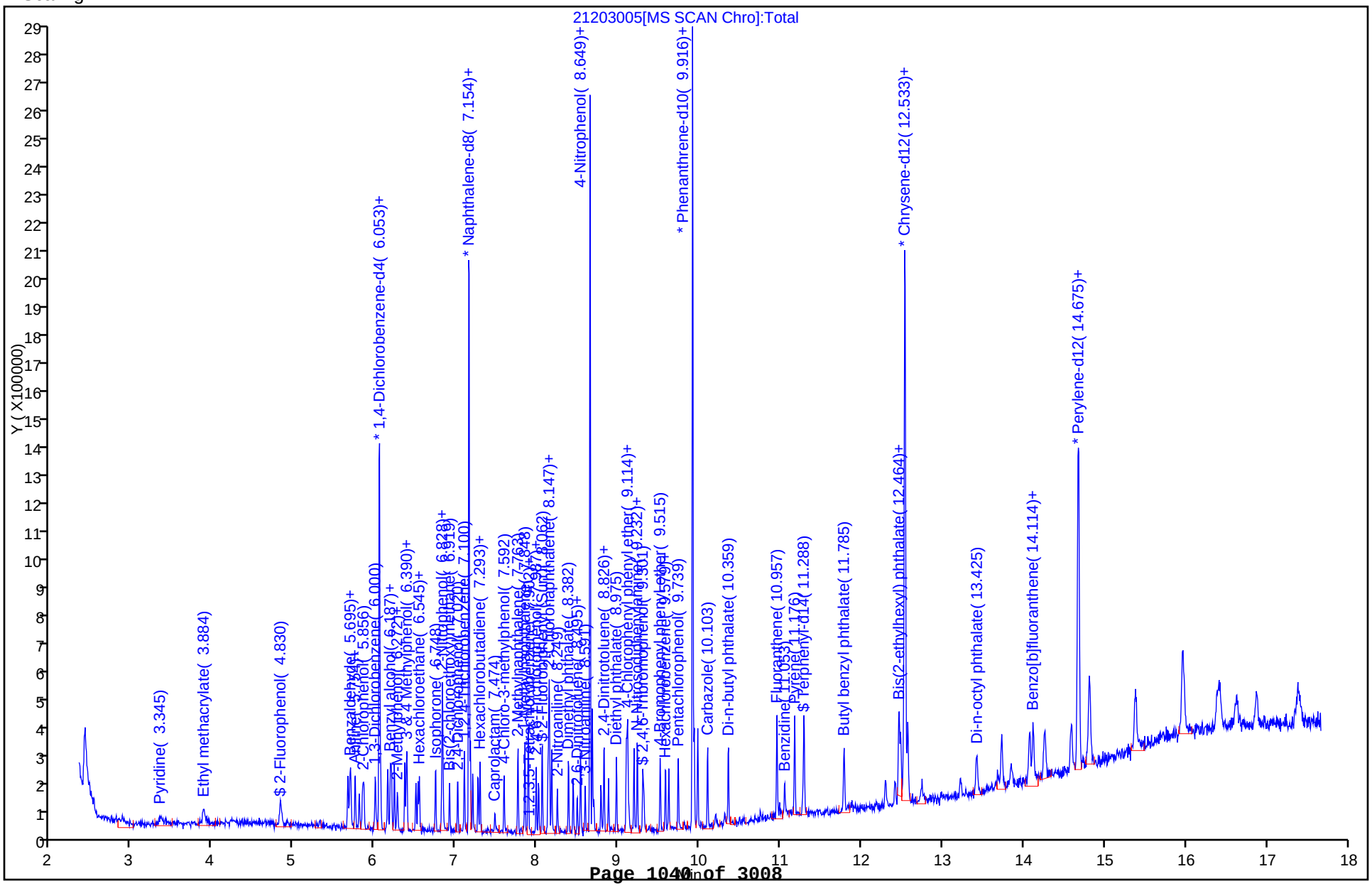
Report Date: 04-Dec-2012 08:01:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D

Injection Date:	03-Dec-2012 12:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

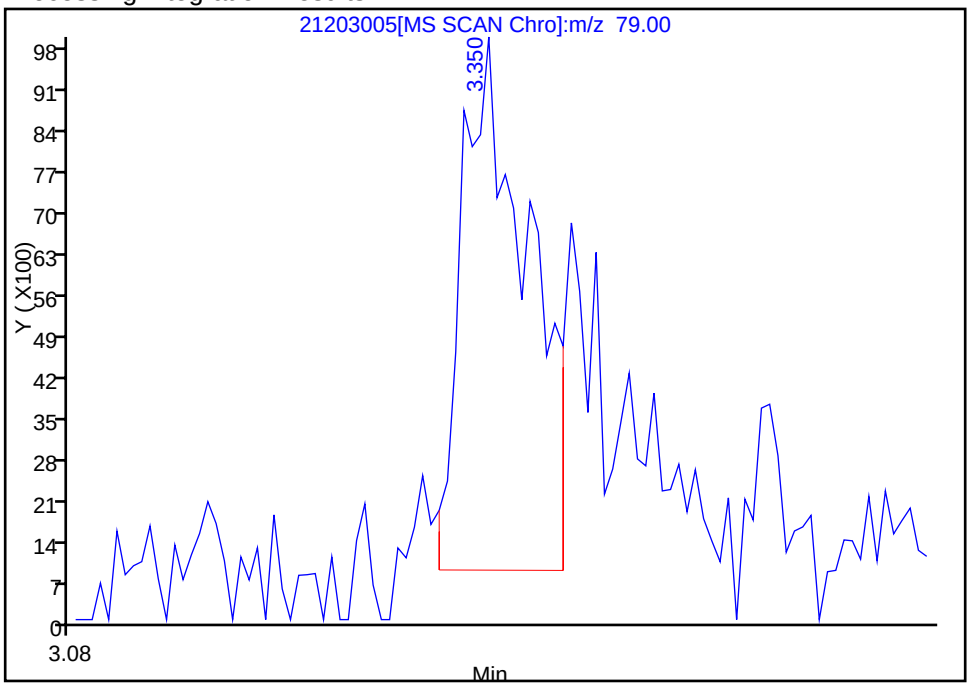
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D		
Injection Date:	03-Dec-2012 12:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.32

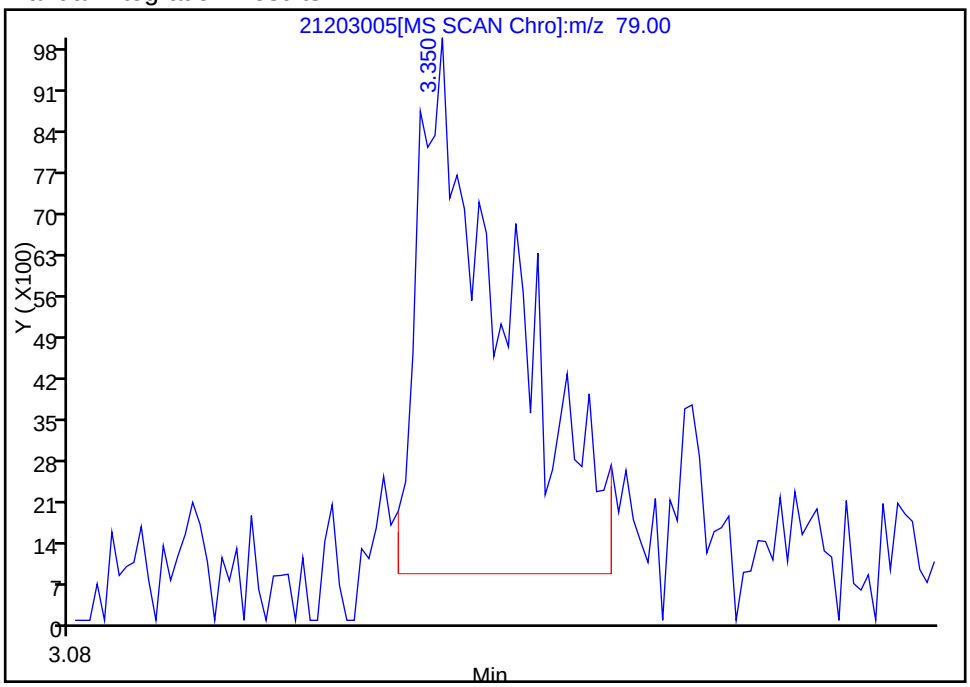
Processing Integration Results

RT: 3.35
Response: 27296
Amount: 0.353662



Manual Integration Results

RT: 3.35
Response: 40196
Amount: 0.463342



Reviewer: ulmanm, 03-Dec-2012 13:30:48
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 04-Dec-2012 08:01:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

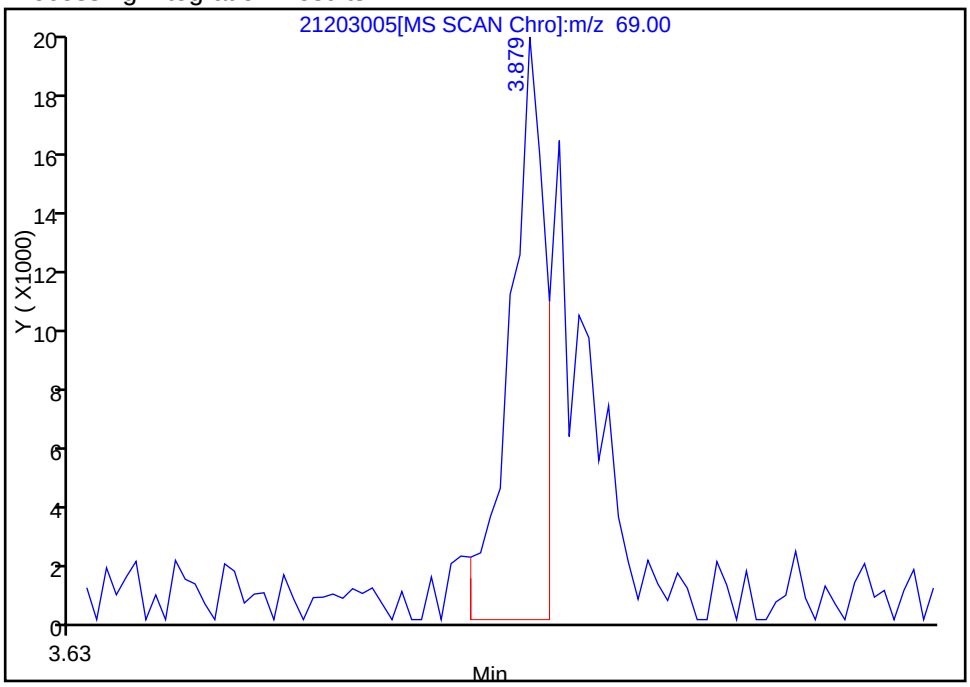
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D		
Injection Date:	03-Dec-2012 12:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.88

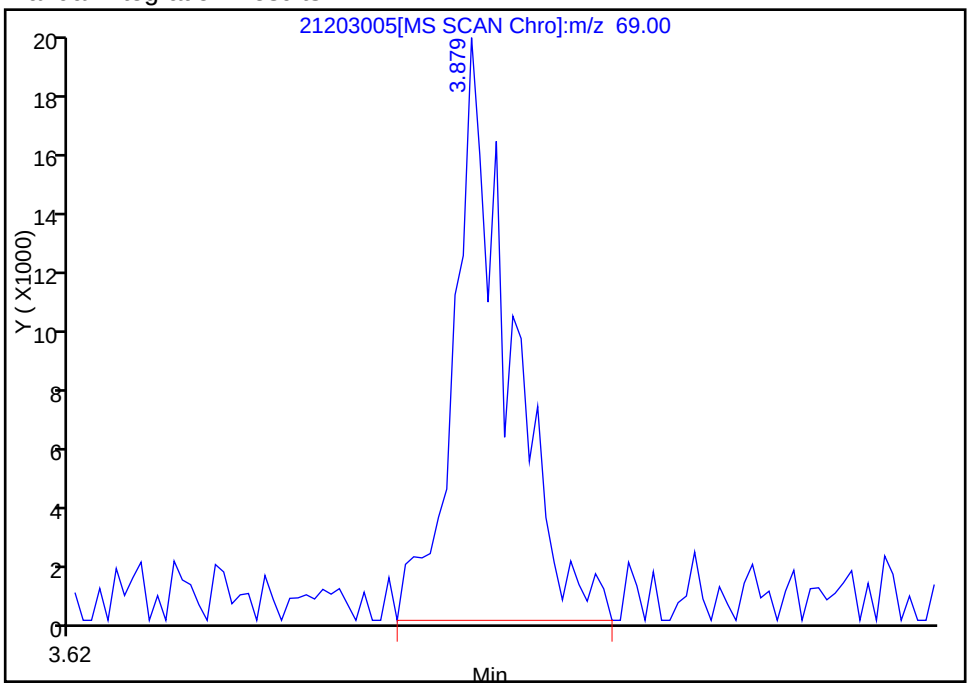
Processing Integration Results

RT: 3.88
Response: 25504
Amount: 0.344922



Manual Integration Results

RT: 3.88
Response: 47787
Amount: 0.567921



Reviewer: ulmanm, 03-Dec-2012 13:30:48
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

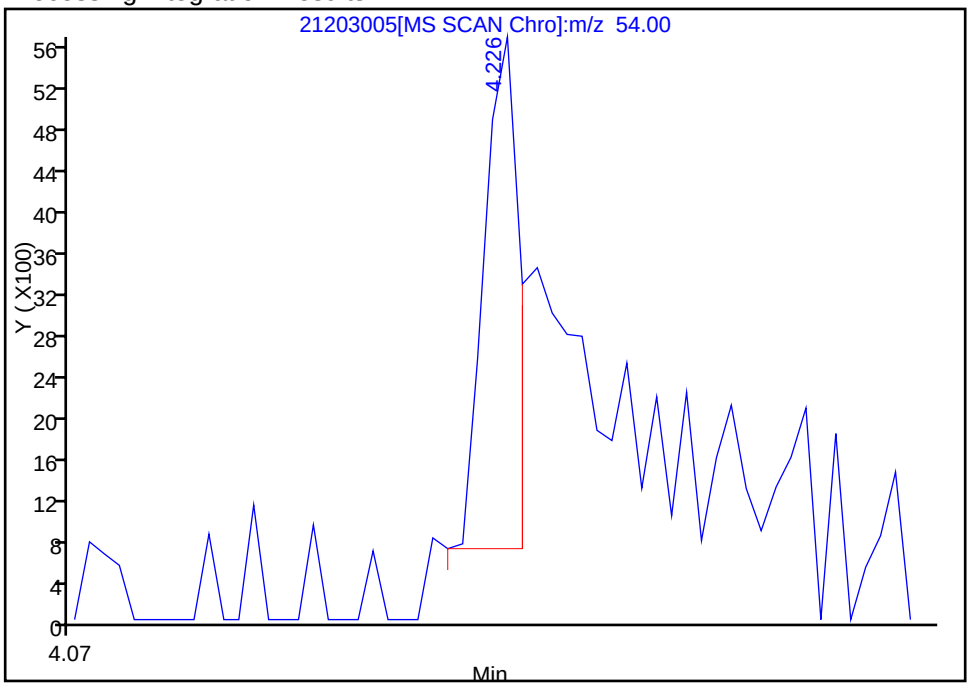
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D		
Injection Date:	03-Dec-2012 12:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

29 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.22

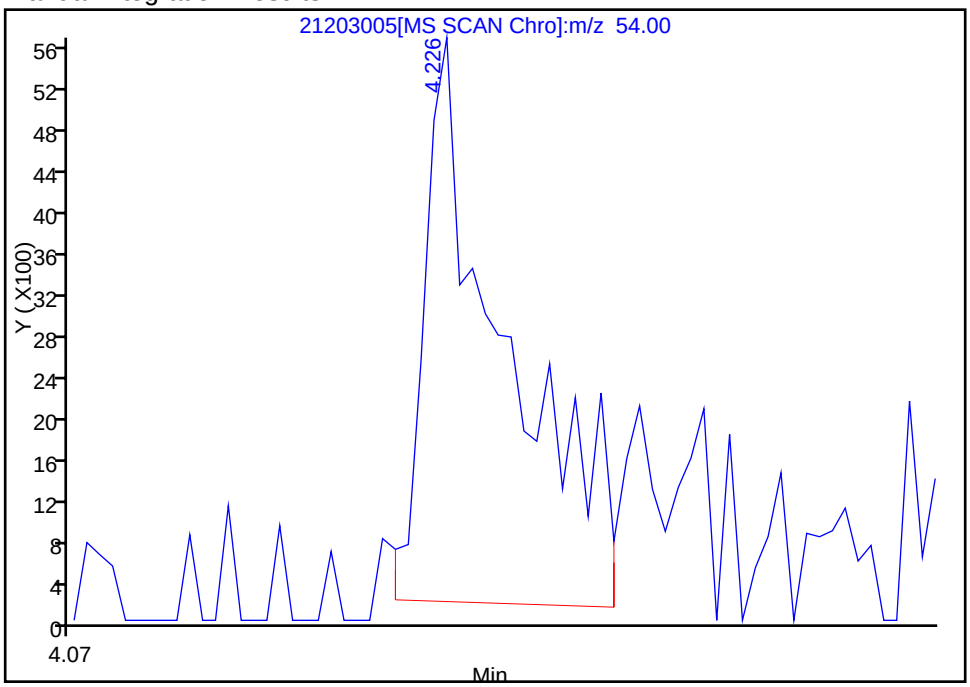
Processing Integration Results

RT: 4.23
Response: 4334
Amount: 0.180017



Manual Integration Results

RT: 4.23
Response: 12811
Amount: 0.416639



Reviewer: ulmanm, 03-Dec-2012 13:30:48
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

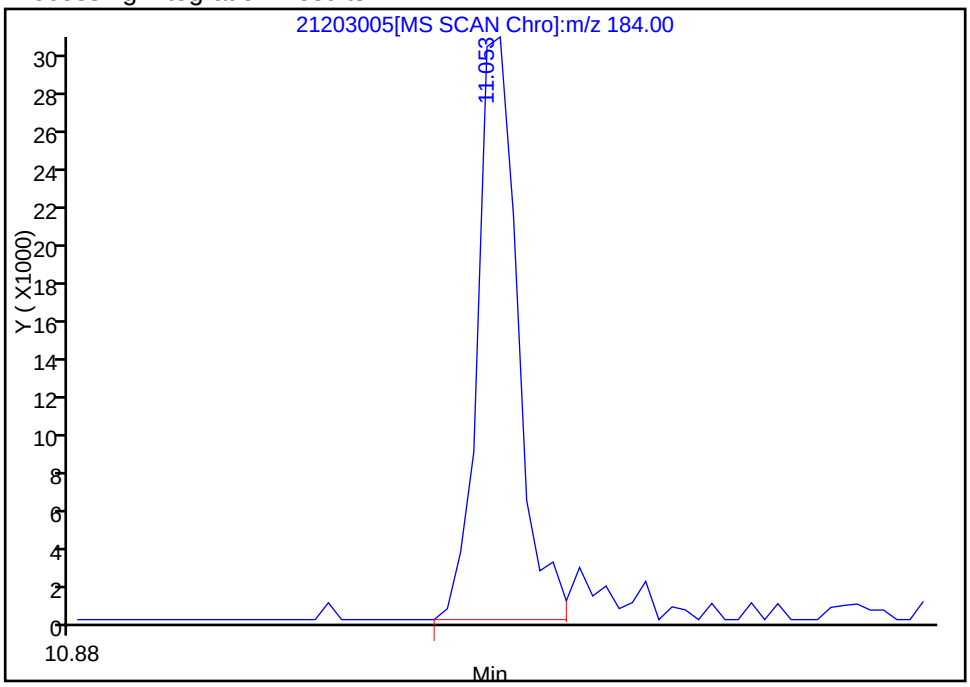
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D		
Injection Date:	03-Dec-2012 12:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 11.05

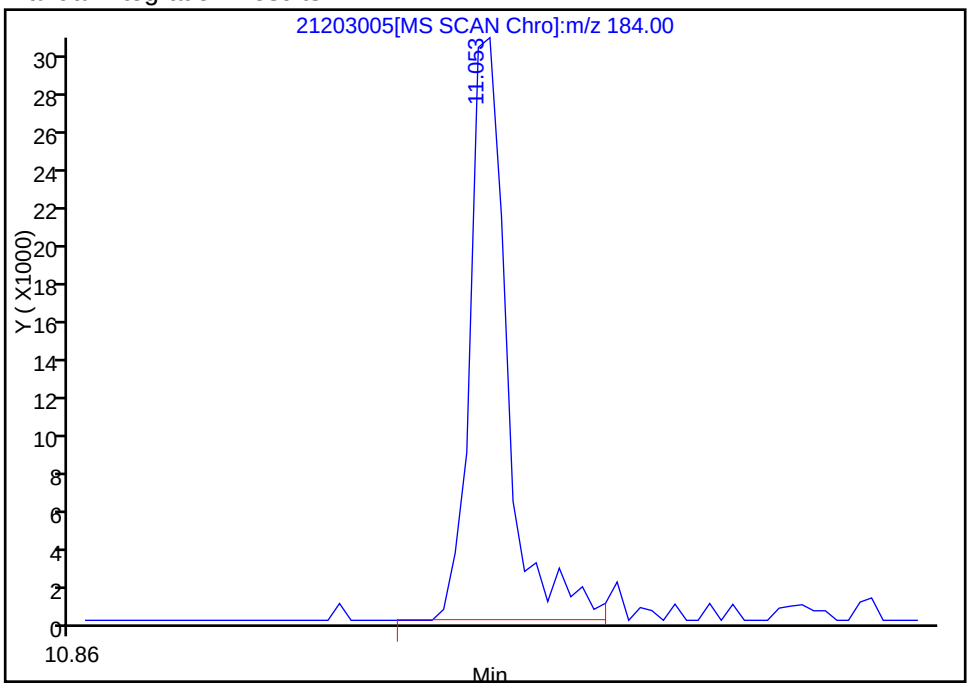
Processing Integration Results

RT: 11.05
Response: 34605
Amount: 0.370791



Manual Integration Results

RT: 11.05
Response: 36712
Amount: 0.793822



Reviewer: ulmanm, 03-Dec-2012 13:30:48
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D		
Lims ID:	std1 tcl	Client ID:	
Inject. Date:	03-Dec-2012 13:13:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0015467-006		
Misc. Info.:	STD1 TCL =STD1 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	67070	Lims Sample ID:	6
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:23	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 14:05:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.050	6.053	-0.003	85	173443	4.00	
* 2 Naphthalene-d8	136	7.156	7.159	-0.003	97	739246	4.00	
* 3 Acenaphthene-d10	164	8.652	8.649	0.003	69	445835	4.00	
* 4 Phenanthrene-d10	188	9.918	9.915	0.003	77	796052	4.00	
* 5 Chrysene-d12	240	12.535	12.538	-0.003	75	770961	4.00	
* 6 Perylene-d12	264	14.672	14.681	-0.009	78	626739	4.00	
$ 9 Nitrobenzene-d5	82	6.525	6.528	-0.003	69	11443	0.1011	
$ 10 2-Fluorobiphenyl (Surr)	172	8.059	8.062	-0.003	65	16320	0.1102	
$ 12 Terphenyl-d14	244	11.291	11.294	-0.003	43	15154	0.0959	
41 Benzaldehyde	77	5.660	5.663	-0.003	72	9926	0.2199	
75 Naphthalene	128	7.177	7.175	0.002	37	21523	0.1060	
87 2-Methylnaphthalene	142	7.765	7.762	0.003	70	12424	0.0976	
88 1-Methylnaphthalene	142	7.845	7.848	-0.003	66	11067	0.0899	
98 1,1'-Biphenyl	154	8.149	8.152	-0.003	77	14581	0.0905	
100 2-Chloronaphthalene	162	8.182	8.179	0.003	61	11060	0.0900	
109 Acenaphthylene	152	8.534	8.537	-0.003	76	17578	0.0896	
112 Acenaphthene	153	8.678	8.681	-0.003	60	13551	0.1090	
116 Dibenzofuran	168	8.823	8.826	-0.003	73	15805	0.0881	
126 Fluorene	166	9.111	9.114	-0.003	72	15072	0.0992	
141 Hexachlorobenzene	284	9.581	9.584	-0.003	31	4286	0.1058	
148 Phenanthrene	178	9.934	9.937	-0.003	10	26003	0.1093	
149 Anthracene	178	9.982	9.979	0.003	65	22416	0.0941	
159 Fluoranthene	202	10.959	10.957	0.002	50	25424	0.0937	
161 Pyrene	202	11.178	11.176	0.002	86	22462	0.0842	
177 Benzo[a]anthracene	228	12.525	12.522	0.003	31	22947	0.0956	
178 Chrysene	228	12.573	12.576	-0.003	50	21697	0.0986	
182 Benzo[b]fluoranthene	252	14.074	14.077	-0.003	79	21113	0.0972	M
183 Benzo[k]fluoranthene	252	14.117	14.120	-0.003	51	18336	0.0821	
184 Benzo[a]pyrene	252	14.592	14.595	-0.003	51	19232	0.0938	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
188 Indeno[1,2,3-cd]pyrene	276	16.387	16.401	-0.014	62	19959	0.0886	M
189 Dibenz(a,h)anthracene	278	16.435	16.427	0.008	0	14445	0.0781	M
190 Benzo[g,h,i]perylene	276	16.873	16.881	-0.008	0	18782	0.0993	M

QC Flag Legend

Review Flags
M - Manually Integrated

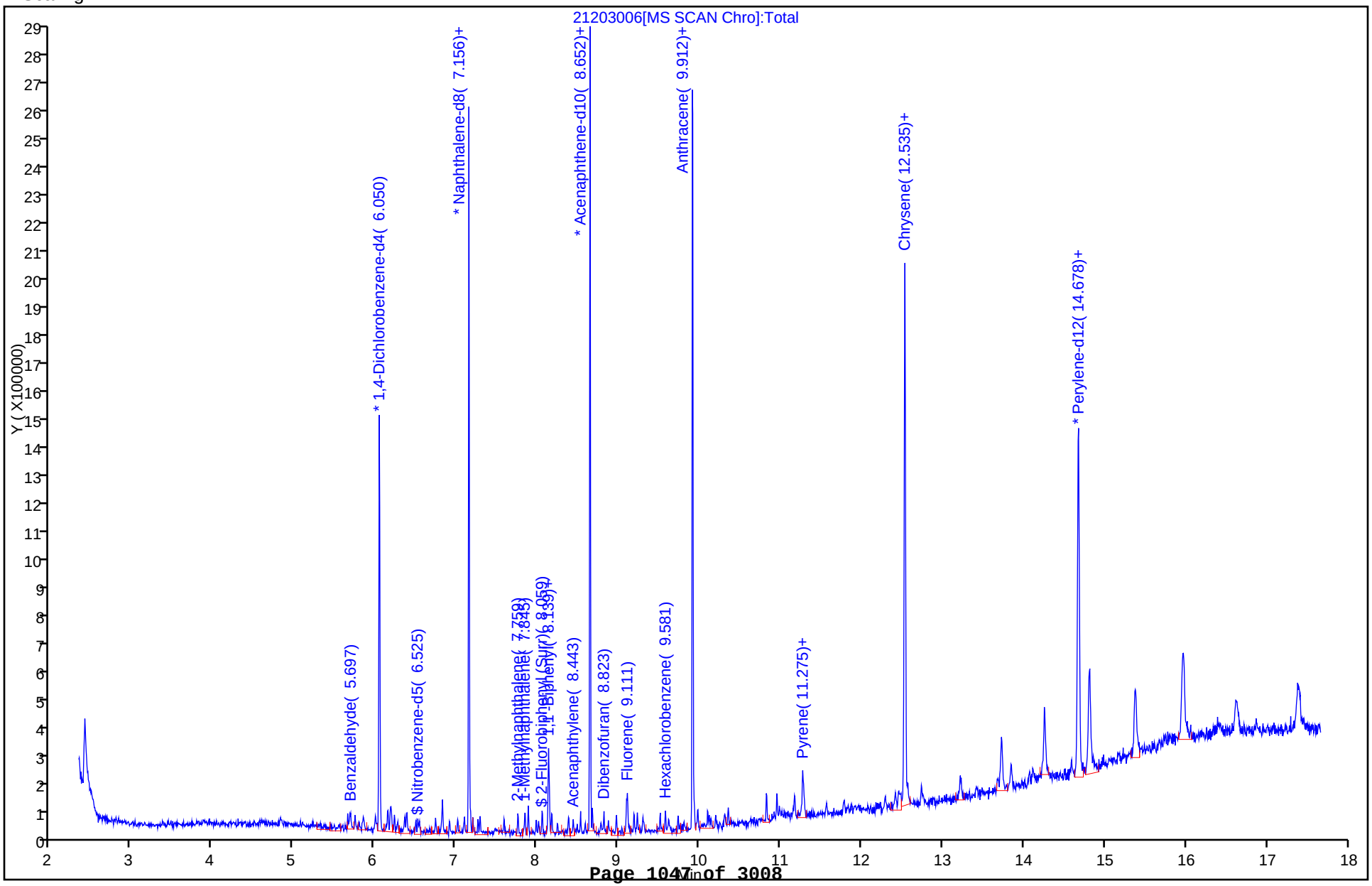
Report Date: 04-Dec-2012 08:01:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D

Injection Date:	03-Dec-2012 13:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

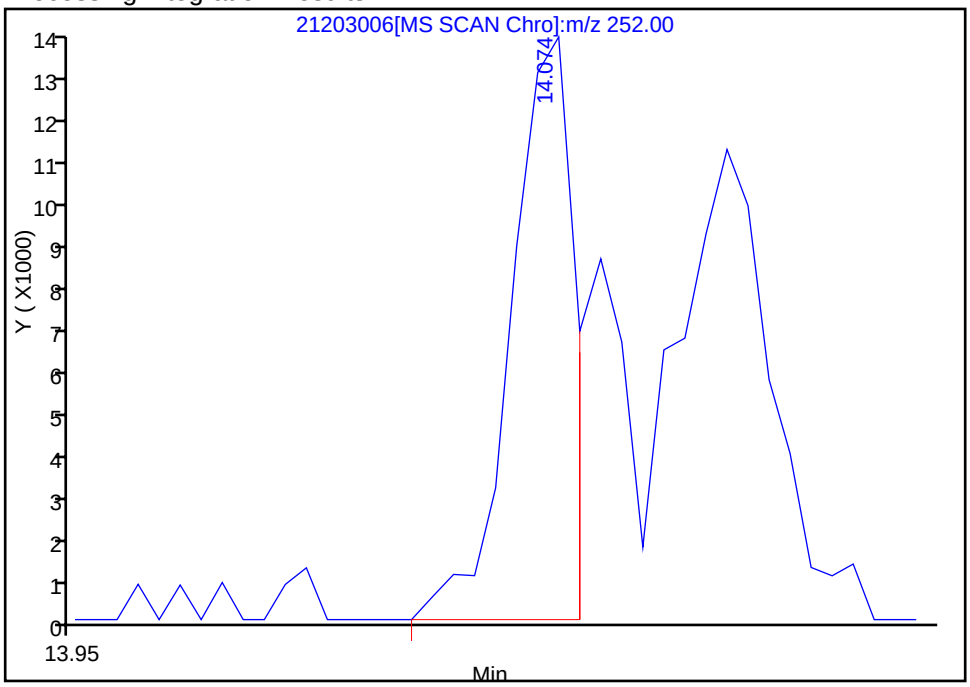
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D		
Injection Date:	03-Dec-2012 13:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.08

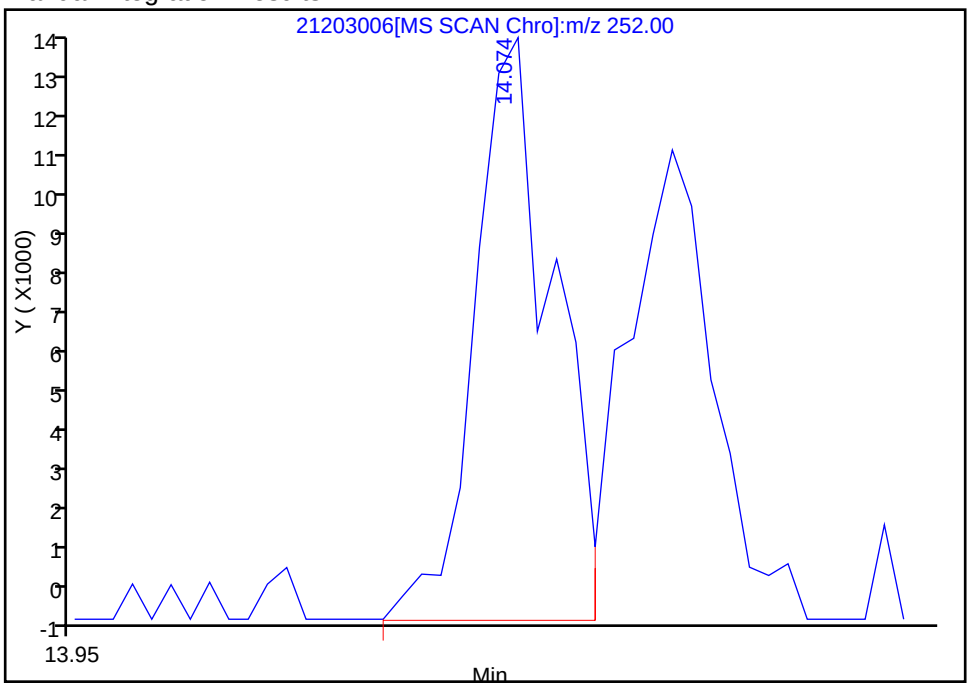
Processing Integration Results

RT: 14.07
Response: 15577
Amount: 0.081529



Manual Integration Results

RT: 14.07
Response: 21113
Amount: 0.097181



Reviewer: ulmanm, 03-Dec-2012 14:05:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

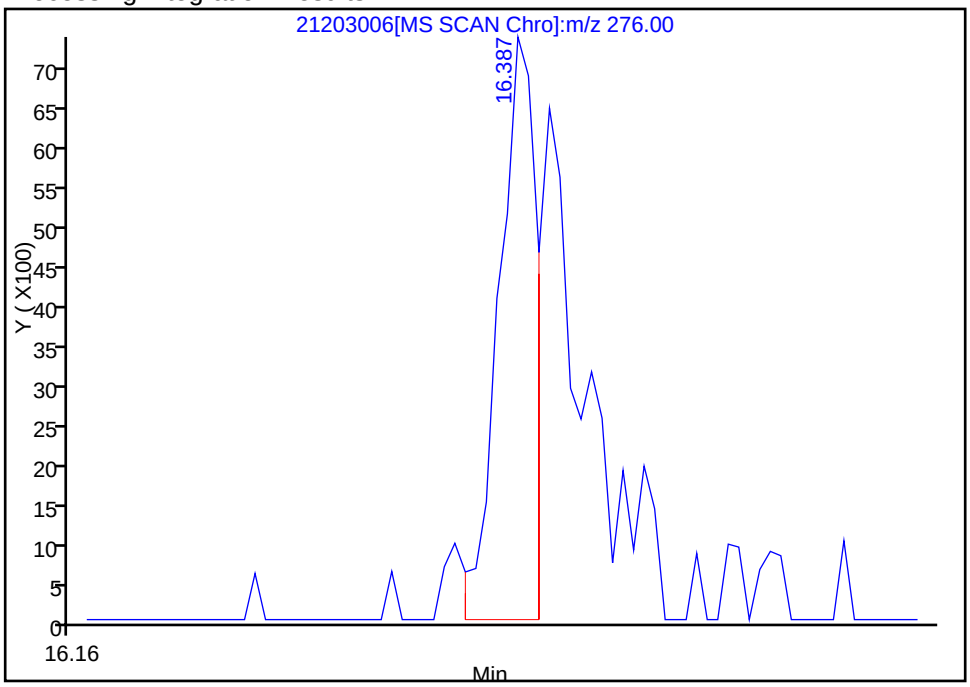
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D		
Injection Date:	03-Dec-2012 13:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.40

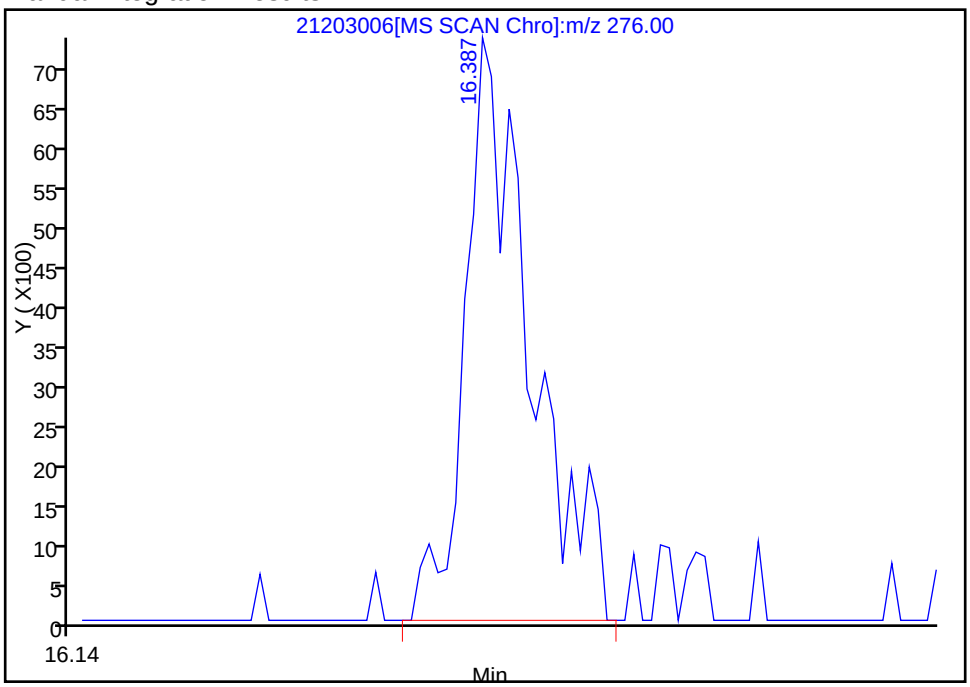
Processing Integration Results

RT: 16.39
Response: 9846
Amount: 0.103675



Manual Integration Results

RT: 16.39
Response: 19959
Amount: 0.088592



Reviewer: ulmanm, 03-Dec-2012 14:05:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

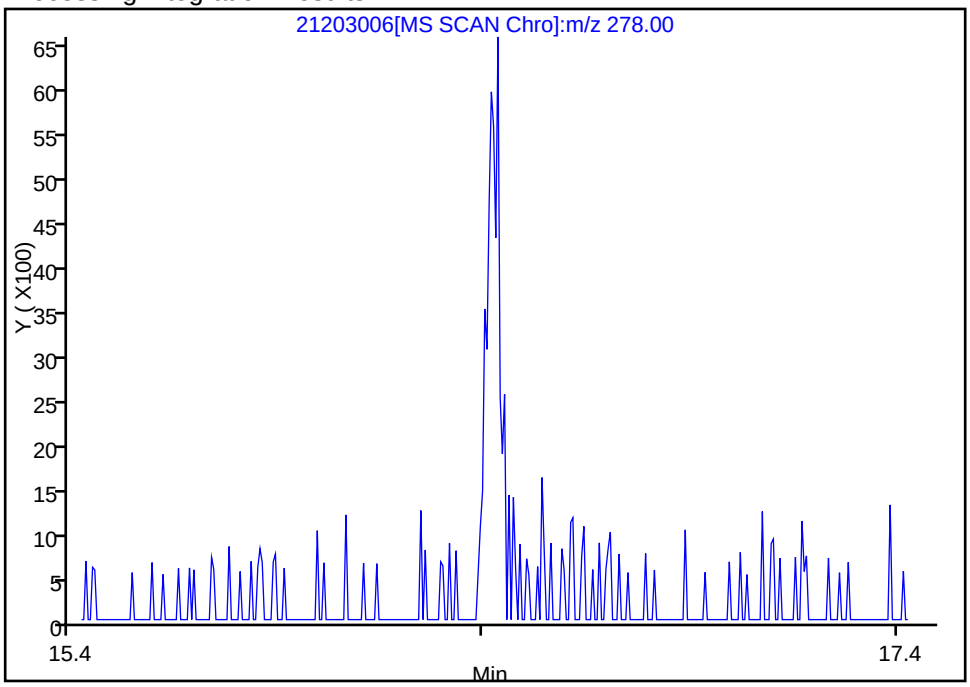
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D		
Injection Date:	03-Dec-2012 13:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.43

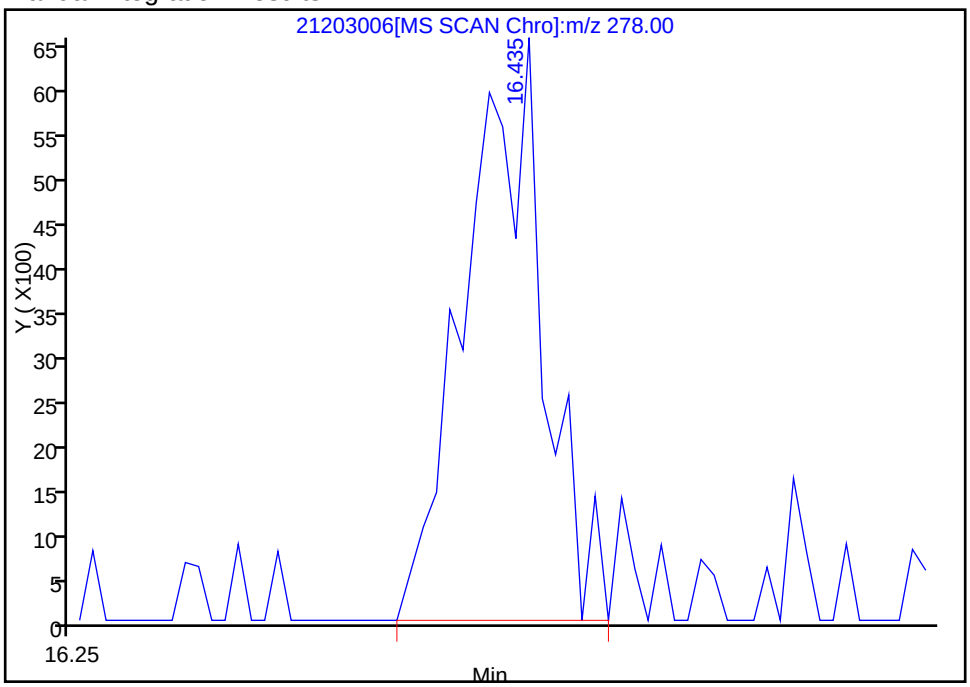
Processing Integration Results

Not Detected
Expected RT: 16.43



Manual Integration Results

RT: 16.44
Response: 14445
Amount: 0.078126



Reviewer: ulmanm, 03-Dec-2012 14:05:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 04-Dec-2012 08:01:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

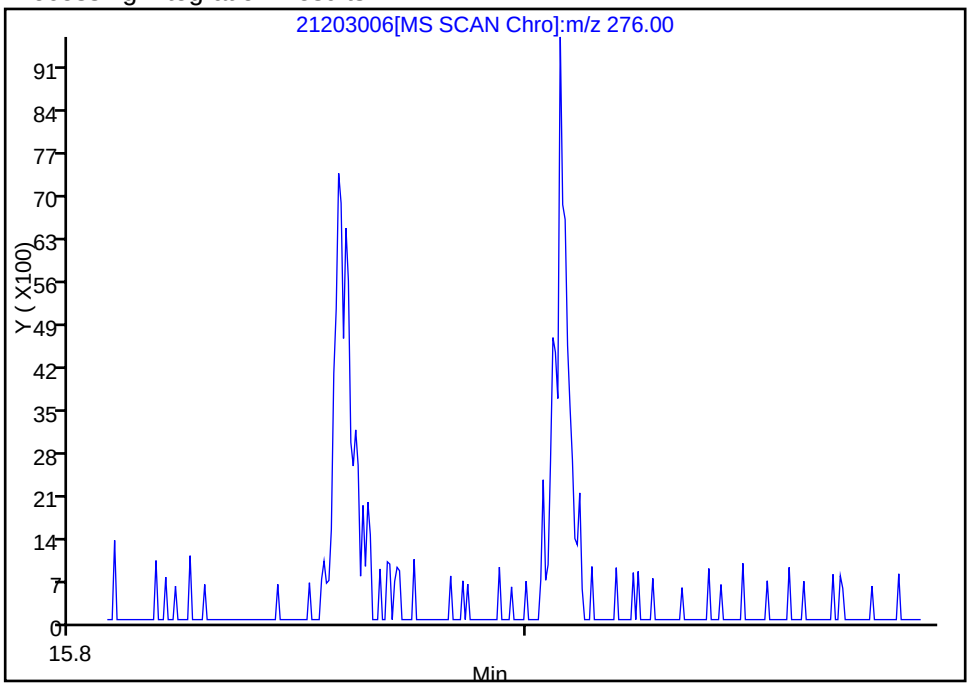
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D		
Injection Date:	03-Dec-2012 13:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.88

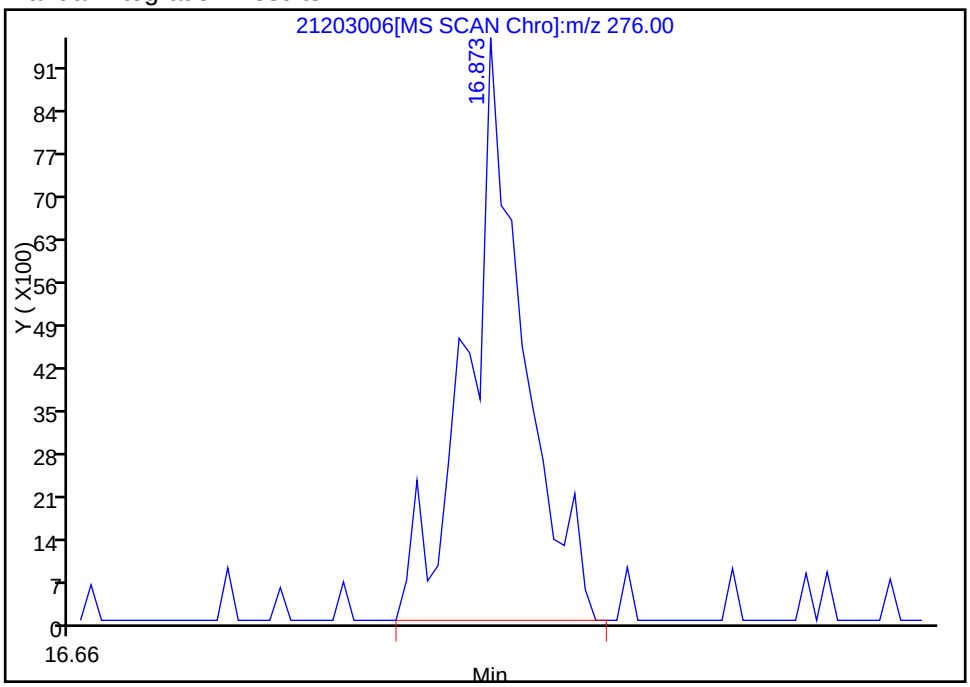
Processing Integration Results

Not Detected
Expected RT: 16.88



Manual Integration Results

RT: 16.87
Response: 18782
Amount: 0.099262



Reviewer: ulmanm, 03-Dec-2012 14:05:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203007.D		
Lims ID:	std9 tcl	Client ID:	
Inject. Date:	03-Dec-2012 13:39:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	240-0015467-007		
Misc. Info.:	7TD9 TCL =7TD9 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	67070	Lims Sample ID:	7
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:25	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 14:28:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.053	6.053	0.0	88	180007	4.00	
* 2 Naphthalene-d8	136	7.159	7.159	0.0	99	758239	4.00	
* 3 Acenaphthene-d10	164	8.655	8.649	0.006	67	479475	4.00	
* 4 Phenanthrene-d10	188	9.915	9.915	0.0	75	845700	4.00	
* 5 Chrysene-d12	240	12.544	12.538	0.006	72	867822	4.00	
* 6 Perylene-d12	264	14.680	14.681	-0.001	88	682052	4.00	
$ 7 2-Fluorophenol	112	4.830	4.830	0.0	94	1820074	25.7	
$ 8 Phenol-d5	99	5.690	5.684	0.006	0	2850089	27.9	
$ 9 Nitrobenzene-d5	82	6.534	6.528	0.006	79	3203482	27.6	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.062	0.0	98	4483556	28.2	
$ 11 2,4,6-Tribromophenol	330	9.322	9.317	0.005	80	517056	27.8	
$ 12 Terphenyl-d14	244	11.294	11.294	0.0	96	4830900	27.2	
25 1,4-Dioxane	88	2.805	2.805	0.0	78	814861	23.3	
26 N-Nitrosodimethylamine	74	3.270	3.275	-0.005	78	1319174	28.7	
27 Pyridine	79	3.323	3.318	0.005	79	2481993	26.5	
28 Ethyl methacrylate	69	3.879	3.879	0.0	77	2284815	25.1	
29 3-Chloropropionitrile	54	4.221	4.215	0.006	82	932926	28.1	
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.663	5.663	0.0	80	1383979	24.6	
43 Phenol	94	5.700	5.700	0.0	90	3175311	27.4	
44 Aniline	93	5.754	5.754	0.0	83	4030025	27.8	
69 Bis(2-chloroethyl)ether	93	5.807	5.802	0.005	90	2412317	27.0	
46 2-Chlorophenol	128	5.861	5.861	0.0	89	1718090	26.1	
47 1,3-Dichlorobenzene	146	6.005	6.005	0.0	81	1851413	26.2	
48 1,4-Dichlorobenzene	146	6.069	6.069	0.0	79	1830542	25.6	
49 Benzyl alcohol	108	6.160	6.154	0.006	78	1457061	26.9	
50 1,2-Dichlorobenzene	146	6.203	6.203	0.0	77	1785368	26.0	
51 2-Methylphenol	108	6.240	6.240	0.0	93	2123570	27.5	
53 2,2'-oxybis[1-chloropropane]	45	6.277	6.272	0.005	95	2411441	26.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.368	6.363	0.005	92	2317991	28.2	
57 N-Nitrosodi-n-propylamine	70	6.389	6.384	0.005	66	2176245	26.8	
58 Acetophenone	105	6.395	6.395	0.0	83	3320829	27.8	
61 Hexachloroethane	117	6.502	6.502	0.0	91	849335	25.4	
62 Nitrobenzene	77	6.550	6.544	0.006	68	3400714	27.8	
64 Isophorone	82	6.747	6.747	0.0	92	6515388	29.2	
66 2-Nitrophenol	139	6.822	6.822	0.0	84	904635	27.2	
65 2,4-Dimethylphenol	107	6.833	6.828	0.005	96	2490665	26.6	
67 1,3,5-Trichlorobenzene	180	6.833	6.833	0.0	72	1779271	26.0	
71 Benzoic acid	122	6.918	6.865	0.053	74	2343332	49.4	
70 Bis(2-chloroethoxy)methane	93	6.918	6.918	0.0	94	3160983	27.7	
73 2,4-Dichlorophenol	162	7.020	7.020	0.0	90	1440479	26.8	
74 1,2,4-Trichlorobenzene	180	7.100	7.100	0.0	80	1726814	26.0	
75 Naphthalene	128	7.175	7.175	0.0	81	6046456	29.0	
76 4-Chloroaniline	127	7.207	7.202	0.005	79	2273909	27.6	
79 Hexachlorobutadiene	225	7.271	7.271	0.0	87	914699	25.2	
80 1,2,3-Trichlorobenzene	180	7.298	7.292	0.006	80	1587870	0	
84 Caprolactam	113	7.506	7.479	0.027	82	526136	24.0	
86 4-Chloro-3-methylphenol	107	7.597	7.592	0.005	79	2120588	26.9	
87 2-Methylnaphthalene	142	7.762	7.762	0.0	87	3756335	28.8	
88 1-Methylnaphthalene	142	7.848	7.848	0.0	80	3548102	28.1	
90 1,2,3,5-Tetrachlorobenzene	216	7.891	7.891	0.0	84	1753570	26.2	
89 Hexachlorocyclopentadiene	237	7.891	7.891	0.0	66	1091455	28.3	
92 2,4,6-Trichlorophenol	196	7.987	7.987	0.0	86	1121634	27.0	
93 2,4,5-Trichlorophenol	196	8.019	8.019	0.0	88	1187181	26.0	
97 2,4-Toluene diamine	121	8.136	8.131	0.005	96	868145	23.4	
99 1,2,3,4 -Tetrachlorobenzene	216	8.147	8.147	0.0	80	1698082	0	
98 1,1'-Biphenyl	154	8.152	8.152	0.0	92	5070224	29.3	
100 2-Chloronaphthalene	162	8.179	8.179	0.0	90	3677090	27.8	
102 2-Nitroaniline	65	8.249	8.249	0.0	71	1675117	27.2	
105 Dimethyl phthalate	163	8.393	8.388	0.005	95	4334729	27.8	
107 2,6-Dinitrotoluene	165	8.446	8.446	0.0	74	886451	27.4	
108 1,2-Dinitrobenzene	168	8.500	8.494	0.006	80	432595	27.2	
109 Acenaphthylene	152	8.537	8.537	0.0	90	5999467	28.5	
110 3-Nitroaniline	138	8.596	8.591	0.006	80	938131	26.9	
111 2,4-Dinitrophenol	184	8.681	8.676	0.005	67	1280687	49.7	
112 Acenaphthene	153	8.681	8.681	0.0	84	3730862	27.9	
113 4-Nitrophenol	109	8.708	8.697	0.011	82	718684	28.0	
114 2,4-Dinitrotoluene	165	8.793	8.788	0.005	81	1212832	27.9	
116 Dibenzofuran	168	8.826	8.826	0.0	86	5507295	28.5	
118 2,3,5,6-Tetrachlorophenol	232	8.879	8.879	0.0	81	1006180	26.5	
121 Diethyl phthalate	149	8.980	8.980	0.0	94	4367958	28.3	
123 4-Chlorophenyl phenyl ether	204	9.098	9.098	0.0	87	2230197	26.9	
125 4-Nitroaniline	138	9.119	9.109	0.010	51	1017942	27.7	
126 Fluorene	166	9.119	9.114	0.005	61	4641978	28.4	
128 4,6-Dinitro-2-methylphenol	198	9.135	9.130	0.005	76	827960	24.7	
131 N-Nitrosodiphenylamine	169	9.194	9.194	0.0	94	3276797	28.0	
133 Azobenzene	77	9.232	9.237	-0.005	95	7321874	25.7	
132 1,2-Diphenylhydrazine	77	9.232	9.237	-0.005	99	7323233	25.7	
139 4-Bromophenyl phenyl ether	248	9.520	9.520	0.0	65	1108836	26.0	
141 Hexachlorobenzene	284	9.584	9.584	0.0	78	1106388	25.7	
142 Atrazine	200	9.627	9.622	0.005	81	897962	24.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.744	9.739	0.005	81	1735964	49.8	
148 Phenanthrene	178	9.937	9.937	0.0	81	7024206	27.8	
149 Anthracene	178	9.985	9.979	0.006	83	7118724	28.1	
151 Carbazole	167	10.102	10.102	0.0	79	6412920	28.3	
154 Di-n-butyl phthalate	149	10.359	10.359	0.0	100	7669176	27.5	
159 Fluoranthene	202	10.957	10.957	0.0	77	7871392	27.3	
160 Benzidine	184	11.053	11.053	0.0	86	4495620	24.4	
161 Pyrene	202	11.176	11.176	0.0	73	8173377	27.2	
168 Butyl benzyl phthalate	149	11.785	11.785	0.0	83	3335278	27.8	
172 3,3'-Dimethoxybenzidine	244	12.421	12.415	0.006	79	1908849	24.4	
174 4,4'-Methylene bis(2-chloroanili	231	12.469	12.464	0.005	70	1315934	27.2	
175 3,3'-Dichlorobenzidine	252	12.469	12.464	0.005	66	2668942	24.7	
173 Bis(2-ethylhexyl) phthalate	149	12.485	12.485	0.0	95	4903668	27.5	
177 Benzo[a]anthracene	228	12.528	12.522	0.006	78	7594858	28.1	
178 Chrysene	228	12.581	12.576	0.005	83	6936430	28.0	
180 Di-n-octyl phthalate	149	13.425	13.425	0.0	98	8736814	24.8	
182 Benzo[b]fluoranthene	252	14.088	14.077	0.011	82	6902291	29.2	
183 Benzo[k]fluoranthene	252	14.130	14.120	0.010	81	6949795	28.6	
184 Benzo[a]pyrene	252	14.600	14.595	0.005	75	6529426	29.3	
188 Indeno[1,2,3-cd]pyrene	276	16.417	16.401	0.016	75	6892480	28.1	
189 Dibenz(a,h)anthracene	278	16.443	16.427	0.016	71	5894670	29.3	
190 Benzo[g,h,i]perylene	276	16.903	16.881	0.022	79	5719307	27.8	
S 191 Methyl Phenols,Total	100				0		55.7	

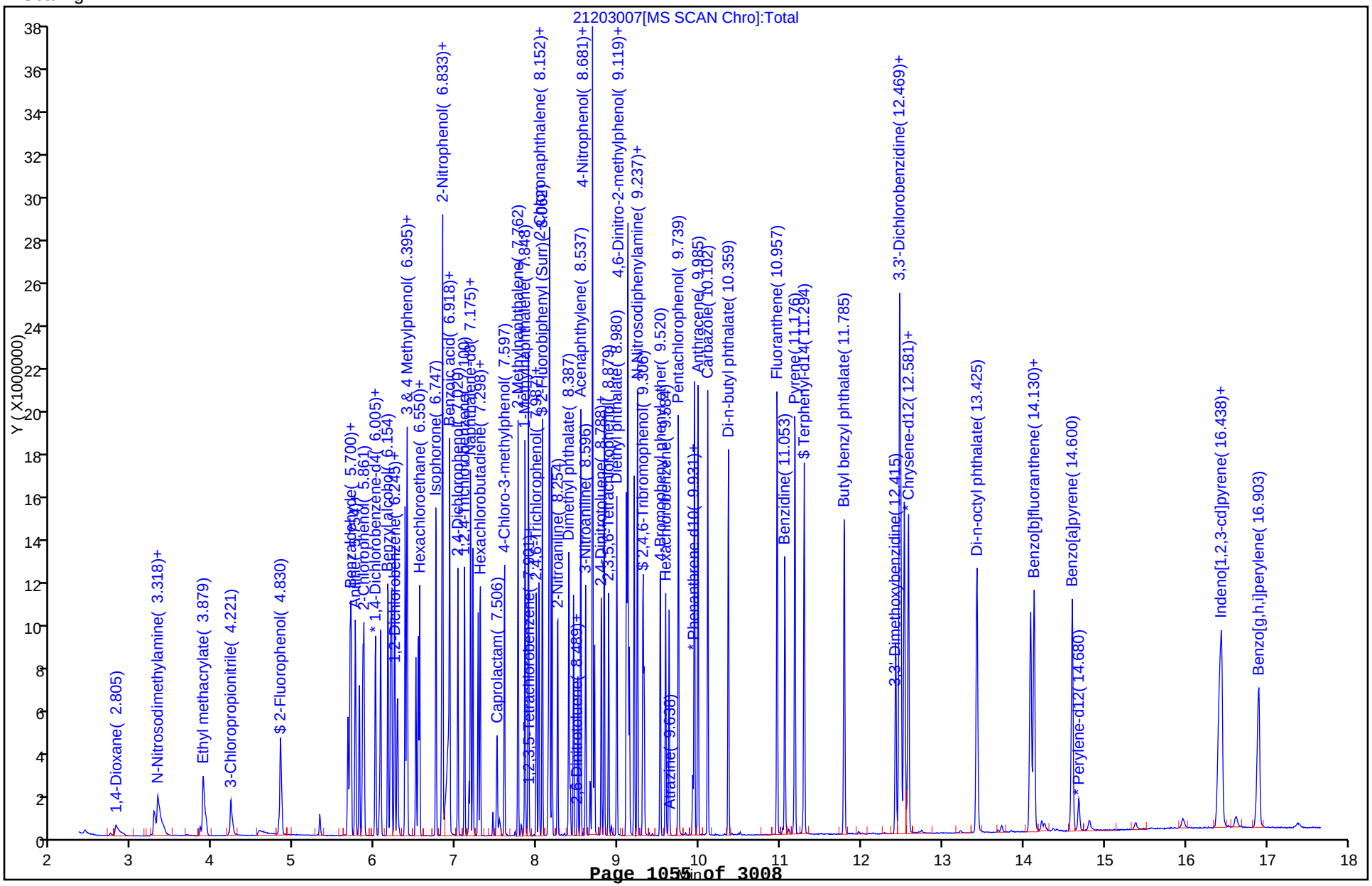
Report Date: 04-Dec-2012 08:01:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203007.D

Injection Date:	03-Dec-2012 13:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	7
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203008.D
Lims ID: std8 tcl
Client ID:
Inject. Date: 03-Dec-2012 14:04:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 8
Sample ID: 240-0015467-008
Misc. Info.: STD8 TCL =STD8 TCL
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 8
Lims Batch ID: 67070
Lims Sample ID: 8
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 08:01:27
Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm
Date: 03-Dec-2012 14:44:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.050	6.053	-0.003	87	207175	4.00	
* 2 Naphthalene-d8	136	7.156	7.159	-0.003	98	835412	4.00	
* 3 Acenaphthene-d10	164	8.652	8.649	0.003	63	523293	4.00	
* 4 Phenanthrene-d10	188	9.918	9.915	0.003	77	921971	4.00	
* 5 Chrysene-d12	240	12.541	12.538	0.003	77	904798	4.00	
* 6 Perylene-d12	264	14.678	14.681	-0.003	73	743370	4.00	
$ 7 2-Fluorophenol	112	4.832	4.830	0.002	93	1626131	19.9	
$ 8 Phenol-d5	99	5.687	5.684	0.003	0	2467806	21.0	
$ 9 Nitrobenzene-d5	82	6.531	6.528	0.003	81	2776873	21.7	
$ 10 2-Fluorobiphenyl (Surr)	172	8.064	8.062	0.002	94	3868871	22.3	
$ 11 2,4,6-Tribromophenol	330	9.320	9.317	0.003	80	451821	22.3	
$ 12 Terphenyl-d14	244	11.291	11.294	-0.003	95	4262459	23.0	
25 1,4-Dioxane	88	2.802	2.805	-0.003	76	773230	19.2	
26 N-Nitrosodimethylamine	74	3.272	3.275	-0.003	76	1174085	22.2	
27 Pyridine	79	3.320	3.318	0.002	93	2201171	20.4	
28 Ethyl methacrylate	69	3.876	3.879	-0.003	78	2039665	19.5	
29 3-Chloropropionitrile	54	4.218	4.215	0.003	83	830175	21.7	
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.666	5.663	0.003	82	1470328	19.5	
43 Phenol	94	5.703	5.700	0.003	89	2812510	21.1	
44 Aniline	93	5.756	5.754	0.002	84	3559561	21.4	
69 Bis(2-chloroethyl)ether	93	5.805	5.802	0.003	92	2120375	20.6	
46 2-Chlorophenol	128	5.863	5.861	0.002	90	1532373	20.3	
47 1,3-Dichlorobenzene	146	6.002	6.005	-0.003	80	1606884	19.8	
48 1,4-Dichlorobenzene	146	6.066	6.069	-0.003	78	1645098	20.0	
49 Benzyl alcohol	108	6.157	6.154	0.003	83	1288428	20.7	
50 1,2-Dichlorobenzene	146	6.200	6.203	-0.003	76	1550612	19.6	
51 2-Methylphenol	108	6.237	6.240	-0.003	94	1870907	21.0	
53 2,2'-oxybis[1-chloropropane]	45	6.275	6.272	0.003	95	2157927	20.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.371	6.363	0.008	91	2035411	21.5	
57 N-Nitrosodi-n-propylamine	70	6.387	6.384	0.003	68	1986355	21.3	
58 Acetophenone	105	6.398	6.395	0.003	79	2935142	21.4	
61 Hexachloroethane	117	6.504	6.502	0.002	91	738370	19.2	
62 Nitrobenzene	77	6.547	6.544	0.003	70	3019500	22.4	
64 Isophorone	82	6.750	6.747	0.003	92	5823443	23.7	
66 2-Nitrophenol	139	6.820	6.822	-0.002	85	830238	22.6	
65 2,4-Dimethylphenol	107	6.830	6.828	0.002	96	2169180	21.0	
67 1,3,5-Trichlorobenzene	180	6.830	6.833	-0.003	69	1527622	20.3	
71 Benzoic acid	122	6.910	6.865	0.045	74	2085887	41.2	
70 Bis(2-chloroethoxy)methane	93	6.921	6.918	0.003	96	2822638	22.5	
73 2,4-Dichlorophenol	162	7.023	7.020	0.003	92	1262491	21.3	
74 1,2,4-Trichlorobenzene	180	7.103	7.100	0.003	77	1533437	20.9	
75 Naphthalene	128	7.177	7.175	0.002	81	5210836	22.7	
76 4-Chloroaniline	127	7.204	7.202	0.002	80	1992191	22.0	
79 Hexachlorobutadiene	225	7.268	7.271	-0.003	84	812875	20.4	
80 1,2,3-Trichlorobenzene	180	7.295	7.292	0.003	81	1440974	0	
84 Caprolactam	113	7.503	7.479	0.024	84	477229	19.8	
86 4-Chloro-3-methylphenol	107	7.594	7.592	0.002	78	1913655	22.0	
87 2-Methylnaphthalene	142	7.765	7.762	0.003	87	3241037	22.5	
88 1-Methylnaphthalene	142	7.851	7.848	0.003	81	3120059	22.4	
90 1,2,3,5-Tetrachlorobenzene	216	7.888	7.891	-0.003	80	1542651	21.1	
89 Hexachlorocyclopentadiene	237	7.893	7.891	0.002	67	939731	22.3	
92 2,4,6-Trichlorophenol	196	7.989	7.987	0.002	82	979326	21.6	
93 2,4,5-Trichlorophenol	196	8.022	8.019	0.003	88	1051056	21.1	
97 2,4-Toluene diamine	121	8.134	8.131	0.003	95	772583	18.9	
99 1,2,3,4 -Tetrachlorobenzene	216	8.144	8.147	-0.003	86	1482687	0	
98 1,1'-Biphenyl	154	8.150	8.152	-0.002	93	4314416	22.8	
100 2-Chloronaphthalene	162	8.182	8.179	0.003	92	3208551	22.2	
102 2-Nitroaniline	65	8.251	8.249	0.002	72	1495778	22.3	
105 Dimethyl phthalate	163	8.390	8.388	0.002	93	3836513	22.6	
107 2,6-Dinitrotoluene	165	8.449	8.446	0.003	77	802029	22.7	
108 1,2-Dinitrobenzene	168	8.502	8.494	0.008	75	385567	22.2	
109 Acenaphthylene	152	8.534	8.537	-0.003	86	5487335	23.8	
110 3-Nitroaniline	138	8.598	8.591	0.008	82	859948	22.6	
111 2,4-Dinitrophenol	184	8.684	8.676	0.008	70	1107986	40.6	
112 Acenaphthene	153	8.679	8.681	-0.002	85	3242918	22.2	
113 4-Nitrophenol	109	8.705	8.697	0.008	81	623747	22.3	
114 2,4-Dinitrotoluene	165	8.791	8.788	0.003	78	1083426	22.8	
116 Dibenzofuran	168	8.828	8.826	0.002	87	4828262	22.9	
118 2,3,5,6-Tetrachlorophenol	232	8.882	8.879	0.003	83	898499	21.7	
121 Diethyl phthalate	149	8.983	8.980	0.003	95	3814881	22.7	
123 4-Chlorophenyl phenyl ether	204	9.101	9.098	0.003	88	1950379	21.6	
125 4-Nitroaniline	138	9.117	9.109	0.008	50	898608	22.4	
126 Fluorene	166	9.117	9.114	0.003	70	4053228	22.7	
128 4,6-Dinitro-2-methylphenol	198	9.138	9.130	0.008	72	747522	20.7	
131 N-Nitrosodiphenylamine	169	9.197	9.194	0.003	94	2816710	22.1	
133 Azobenzene	77	9.234	9.237	-0.003	92	7088823	22.9	
132 1,2-Diphenylhydrazine	77	9.234	9.237	-0.003	100	7089323	22.9	
139 4-Bromophenyl phenyl ether	248	9.517	9.520	-0.003	68	998199	21.5	
141 Hexachlorobenzene	284	9.587	9.584	0.003	80	991457	21.1	
142 Atrazine	200	9.630	9.622	0.008	82	826393	20.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.742	9.739	0.003	75	1507520	40.5	
148 Phenanthrene	178	9.939	9.937	0.002	81	6067655	22.0	
149 Anthracene	178	9.982	9.979	0.003	82	6269234	22.7	
151 Carbazole	167	10.105	10.102	0.003	61	5791299	23.4	
154 Di-n-butyl phthalate	149	10.356	10.359	-0.003	100	7282586	24.0	
159 Fluoranthene	202	10.960	10.957	0.003	77	7170742	22.8	
160 Benzidine	184	11.056	11.053	0.003	81	4027253	21.4	
161 Pyrene	202	11.179	11.176	0.003	73	7426228	23.7	
168 Butyl benzyl phthalate	149	11.788	11.785	0.003	85	2892302	23.1	
172 3,3'-Dimethoxybenzidine	244	12.423	12.415	0.008	80	1715296	21.4	
174 4,4'-Methylene bis(2-chloroanili	231	12.466	12.464	0.002	72	1156747	22.9	
175 3,3'-Dichlorobenzidine	252	12.466	12.464	0.002	72	2300801	20.8	
173 Bis(2-ethylhexyl) phthalate	149	12.482	12.485	-0.003	94	4250837	22.9	
177 Benzo[a]anthracene	228	12.525	12.522	0.003	78	6511414	23.1	
178 Chrysene	228	12.578	12.576	0.002	83	5939114	23.0	
180 Di-n-octyl phthalate	149	13.422	13.425	-0.003	99	7518674	20.6	
182 Benzo[b]fluoranthene	252	14.085	14.077	0.008	80	5921468	23.0	
183 Benzo[k]fluoranthene	252	14.128	14.120	0.008	84	6117211	23.1	
184 Benzo[a]pyrene	252	14.603	14.595	0.008	74	5590497	23.0	
188 Indeno[1,2,3-cd]pyrene	276	16.414	16.401	0.013	77	6105267	22.8	
189 Dibenz(a,h)anthracene	278	16.441	16.427	0.014	63	5127826	23.4	
190 Benzo[g,h,i]perylene	276	16.900	16.881	0.019	79	5054031	22.5	
S 191 Methyl Phenols,Total	100				0		42.5	

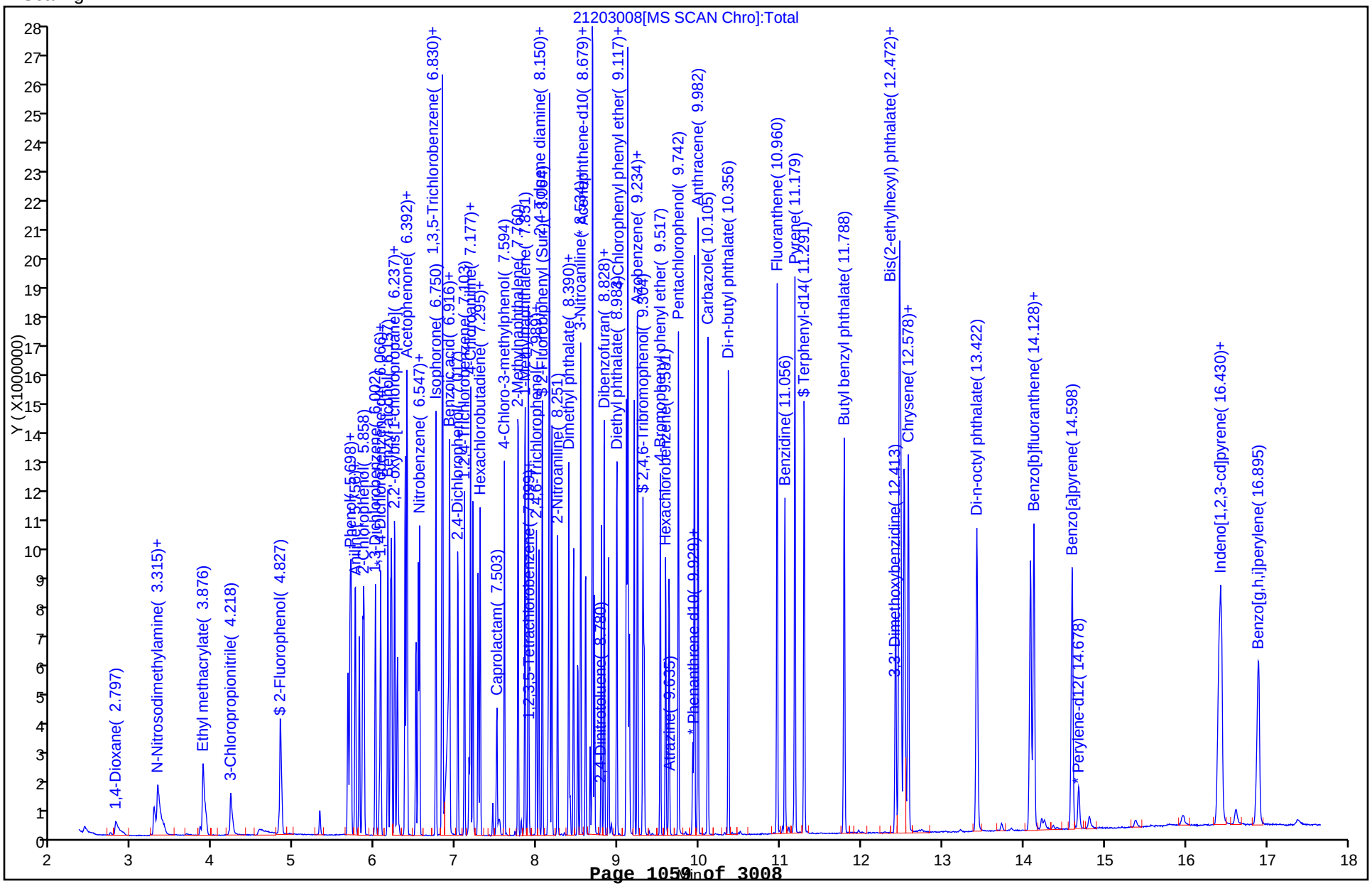
Report Date: 04-Dec-2012 08:01:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203008.D

Injection Date:	03-Dec-2012 14:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	8
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203009.D		
Lims ID:	std7 tcl	Client ID:	
Inject. Date:	03-Dec-2012 14:36:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	240-0015467-009		
Misc. Info.:	STD7 TCL =STD7 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	67070	Lims Sample ID:	9
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:28	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 15:31:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.052	6.053	-0.001	86	196540	4.00	
* 2 Naphthalene-d8	136	7.157	7.159	-0.002	98	845951	4.00	
* 3 Acenaphthene-d10	164	8.653	8.649	0.004	66	522597	4.00	
* 4 Phenanthrene-d10	188	9.919	9.915	0.004	77	913285	4.00	
* 5 Chrysene-d12	240	12.542	12.538	0.004	75	940204	4.00	
* 6 Perylene-d12	264	14.685	14.681	0.004	85	763816	4.00	
$ 7 2-Fluorophenol	112	4.828	4.830	-0.002	92	1197803	15.5	
$ 8 Phenol-d5	99	5.688	5.684	0.004	0	1779153	15.9	
$ 9 Nitrobenzene-d5	82	6.527	6.528	-0.001	79	1975313	15.3	
$ 10 2-Fluorobiphenyl (Surr)	172	8.060	8.062	-0.002	95	2610009	15.0	
$ 11 2,4,6-Tribromophenol	330	9.321	9.317	0.004	72	323865	16.0	
$ 12 Terphenyl-d14	244	11.292	11.294	-0.002	96	2873627	14.9	
25 1,4-Dioxane	88	2.793	2.805	-0.012	78	543998	14.3	
26 N-Nitrosodimethylamine	74	3.268	3.275	-0.007	77	816856	16.3	
27 Pyridine	79	3.316	3.318	-0.002	79	1620749	15.8	
28 Ethyl methacrylate	69	3.872	3.879	-0.007	78	1500922	15.1	
29 3-Chloropropionitrile	54	4.214	4.215	-0.001	82	579758	16.0	
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.662	5.663	-0.001	81	1269321	16.3	
43 Phenol	94	5.699	5.700	-0.001	89	2003163	15.8	
44 Aniline	93	5.753	5.754	-0.002	83	2502297	15.8	
69 Bis(2-chloroethyl)ether	93	5.801	5.802	-0.001	91	1492774	15.3	
46 2-Chlorophenol	128	5.859	5.861	-0.002	88	1096266	15.3	
47 1,3-Dichlorobenzene	146	6.004	6.005	-0.001	81	1180356	15.3	
48 1,4-Dichlorobenzene	146	6.068	6.069	-0.001	78	1151768	14.8	
49 Benzyl alcohol	108	6.153	6.154	-0.001	83	916925	15.5	
50 1,2-Dichlorobenzene	146	6.201	6.203	-0.002	78	1114610	14.9	
51 2-Methylphenol	108	6.239	6.240	-0.001	94	1325720	15.7	
53 2,2'-oxybis[1-chloropropane]	45	6.271	6.272	-0.001	94	1562839	15.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.367	6.363	0.004	91	1390992	15.5	
57 N-Nitrosodi-n-propylamine	70	6.383	6.384	-0.001	64	1420567	16.1	
58 Acetophenone	105	6.394	6.395	-0.001	85	2023578	15.5	
61 Hexachloroethane	117	6.500	6.502	-0.002	90	542116	14.9	
62 Nitrobenzene	77	6.548	6.544	0.004	70	2033011	14.9	
64 Isophorone	82	6.746	6.747	-0.001	92	3869063	15.6	
66 2-Nitrophenol	139	6.821	6.822	-0.001	88	580637	15.6	
65 2,4-Dimethylphenol	107	6.832	6.828	0.004	95	1535491	14.7	
67 1,3,5-Trichlorobenzene	180	6.832	6.833	-0.001	67	1095265	14.4	
71 Benzoic acid	122	6.901	6.865	0.036	77	1441946	29.6	
70 Bis(2-chloroethoxy)methane	93	6.917	6.918	-0.001	88	1938498	15.2	
73 2,4-Dichlorophenol	162	7.019	7.020	-0.001	88	872558	14.6	
74 1,2,4-Trichlorobenzene	180	7.104	7.100	0.004	80	1071050	14.4	
75 Naphthalene	128	7.179	7.175	0.004	80	3546318	15.3	
76 4-Chloroaniline	127	7.206	7.202	0.004	79	1398635	15.2	
79 Hexachlorobutadiene	225	7.270	7.271	-0.001	85	596689	14.8	
80 1,2,3-Trichlorobenzene	180	7.296	7.292	0.004	79	999010	0	
84 Caprolactam	113	7.494	7.479	0.015	79	356527	14.6	
86 4-Chloro-3-methylphenol	107	7.596	7.592	0.004	79	1322578	15.0	
87 2-Methylnaphthalene	142	7.761	7.762	-0.001	82	2197459	15.1	
88 1-Methylnaphthalene	142	7.847	7.848	-0.001	80	2113183	15.0	
90 1,2,3,5-Tetrachlorobenzene	216	7.889	7.891	-0.002	81	1097095	15.0	
89 Hexachlorocyclopentadiene	237	7.889	7.891	-0.002	63	660004	15.7	
92 2,4,6-Trichlorophenol	196	7.991	7.987	0.004	85	700417	15.5	
93 2,4,5-Trichlorophenol	196	8.018	8.019	-0.001	88	731223	14.7	
97 2,4-Toluene diamine	121	8.135	8.131	0.004	95	584842	14.1	
99 1,2,3,4 -Tetrachlorobenzene	216	8.146	8.147	-0.001	84	1044182	0	
98 1,1'-Biphenyl	154	8.151	8.152	-0.001	93	2933167	15.5	
100 2-Chloronaphthalene	162	8.178	8.179	-0.001	91	2170503	15.1	
102 2-Nitroaniline	65	8.247	8.249	-0.002	69	1059612	15.8	
105 Dimethyl phthalate	163	8.392	8.388	0.004	94	2638665	15.5	
107 2,6-Dinitrotoluene	165	8.445	8.446	-0.001	76	571148	16.2	
108 1,2-Dinitrobenzene	168	8.498	8.494	0.004	80	271922	15.7	
109 Acenaphthylene	152	8.536	8.537	-0.001	68	3717874	16.2	
110 3-Nitroaniline	138	8.595	8.591	0.005	76	605348	15.9	
111 2,4-Dinitrophenol	184	8.680	8.676	0.004	67	779421	29.9	
112 Acenaphthene	153	8.680	8.681	-0.001	84	2197679	15.1	
113 4-Nitrophenol	109	8.707	8.697	0.010	82	437400	15.7	
114 2,4-Dinitrotoluene	165	8.792	8.788	0.004	75	744156	15.7	
116 Dibenzofuran	168	8.824	8.826	-0.002	87	3312358	15.7	
118 2,3,5,6-Tetrachlorophenol	232	8.883	8.879	0.004	85	629040	15.2	
121 Diethyl phthalate	149	8.979	8.980	-0.001	95	2575128	15.3	
123 4-Chlorophenyl phenyl ether	204	9.102	9.098	0.004	89	1337478	14.8	
125 4-Nitroaniline	138	9.118	9.109	0.009	74	652966	16.3	
126 Fluorene	166	9.118	9.114	0.004	70	2719190	15.3	
128 4,6-Dinitro-2-methylphenol	198	9.134	9.130	0.004	75	513143	14.6	
131 N-Nitrosodiphenylamine	169	9.198	9.194	0.004	92	1959808	15.5	
133 Azobenzene	77	9.236	9.237	-0.001	91	5241671	17.1	
132 1,2-Diphenylhydrazine	77	9.236	9.237	-0.001	99	5242019	17.1	
139 4-Bromophenyl phenyl ether	248	9.519	9.520	-0.001	66	704915	15.3	
141 Hexachlorobenzene	284	9.583	9.584	-0.001	74	687504	14.8	
142 Atrazine	200	9.626	9.622	0.004	80	613227	15.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.743	9.739	0.004	78	1074664	29.9	
148 Phenanthrene	178	9.941	9.937	0.004	81	4266491	15.6	
149 Anthracene	178	9.983	9.979	0.004	81	4603038	16.8	
151 Carbazole	167	10.106	10.102	0.004	63	3878743	15.8	
154 Di-n-butyl phthalate	149	10.357	10.359	-0.002	100	5022953	16.7	
159 Fluoranthene	202	10.961	10.957	0.004	76	5163534	16.6	
160 Benzidine	184	11.057	11.053	0.004	86	2624642	14.2	
161 Pyrene	202	11.180	11.176	0.004	77	5266082	16.2	
168 Butyl benzyl phthalate	149	11.789	11.785	0.004	84	1998546	15.4	
172 3,3'-Dimethoxybenzidine	244	12.419	12.415	0.004	74	1115656	14.1	
174 4,4'-Methylene bis(2-chloroanili	231	12.468	12.464	0.004	63	822324	15.7	
175 3,3'-Dichlorobenzidine	252	12.468	12.464	0.004	69	1613926	14.4	
173 Bis(2-ethylhexyl) phthalate	149	12.484	12.485	-0.001	94	2892564	15.0	
177 Benzo[a]anthracene	228	12.526	12.522	0.004	84	4418081	15.1	
178 Chrysene	228	12.580	12.576	0.004	81	4053767	15.1	
180 Di-n-octyl phthalate	149	13.424	13.425	-0.001	98	4994408	14.4	
182 Benzo[b]fluoranthene	252	14.086	14.077	0.009	82	4092896	15.5	
183 Benzo[k]fluoranthene	252	14.129	14.120	0.009	83	4263040	15.7	
184 Benzo[a]pyrene	252	14.599	14.595	0.004	77	3873105	15.5	
188 Indeno[1,2,3-cd]pyrene	276	16.410	16.401	0.009	75	4197780	15.3	
189 Dibenz(a,h)anthracene	278	16.437	16.427	0.010	74	3493923	15.5	
190 Benzo[g,h,i]perylene	276	16.896	16.881	0.015	72	3434050	14.9	
S 191 Methyl Phenols,Total	100				0		31.2	

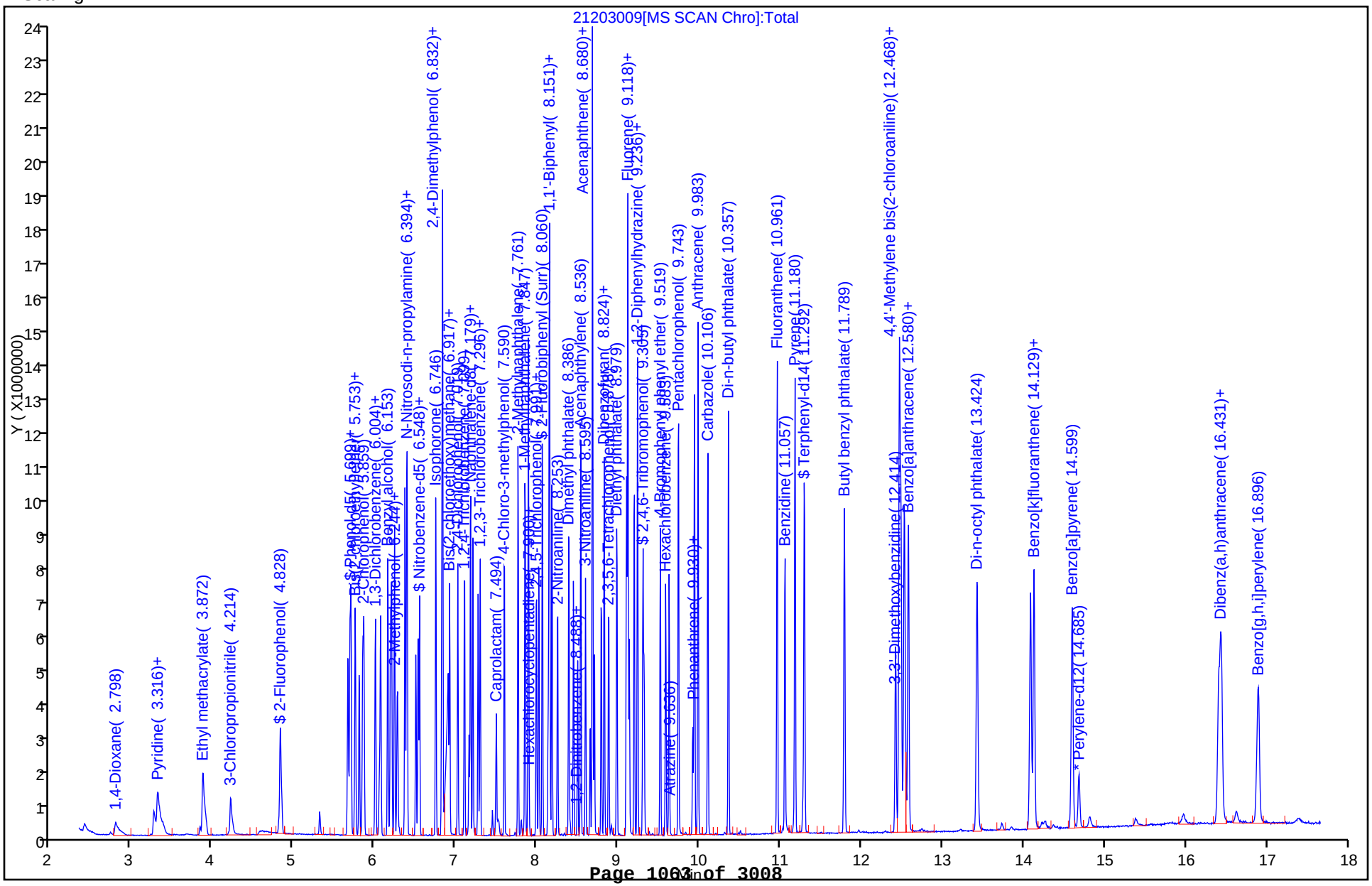
Report Date: 04-Dec-2012 08:01:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203009.D

Injection Date:	03-Dec-2012 14:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	9
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Lims ID:	std6 tcl	Client ID:	
Inject. Date:	03-Dec-2012 15:01:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	240-0015467-010		
Misc. Info.:	STD6 TCL =STD6 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	67070	Lims Sample ID:	10
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:30	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 15:53:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.050	6.050	0.0	84	219993	4.00	
* 2 Naphthalene-d8	136	7.156	7.156	0.0	97	913768	4.00	
* 3 Acenaphthene-d10	164	8.652	8.652	0.0	61	570837	4.00	
* 4 Phenanthrene-d10	188	9.918	9.918	0.0	78	998118	4.00	
* 5 Chrysene-d12	240	12.541	12.541	0.0	75	998924	4.00	
* 6 Perylene-d12	264	14.677	14.677	0.0	76	831813	4.00	
$ 7 2-Fluorophenol	112	4.832	4.832	0.0	93	847177	9.79	
$ 8 Phenol-d5	99	5.687	5.687	0.0	0	1278603	10.2	
$ 9 Nitrobenzene-d5	82	6.531	6.531	0.0	82	1375736	9.84	
$ 10 2-Fluorobiphenyl (Surr)	172	8.059	8.059	0.0	98	1844912	9.73	
$ 11 2,4,6-Tribromophenol	330	9.319	9.319	0.0	68	230291	10.4	
$ 12 Terphenyl-d14	244	11.291	11.291	0.0	95	2036667	9.95	
25 1,4-Dioxane	88	2.807	2.807	0.0	74	399753	9.36	
26 N-Nitrosodimethylamine	74	3.272	3.272	0.0	83	607272	10.8	
27 Pyridine	79	3.320	3.320	0.0	94	1153107	10.1	
28 Ethyl methacrylate	69	3.876	3.876	0.0	83	1072582	9.66	
29 3-Chloropropionitrile	54	4.218	4.218	0.0	83	422307	10.4	
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.665	5.665	0.0	83	965070	9.45	
43 Phenol	94	5.703	5.703	0.0	88	1431885	10.1	
44 Aniline	93	5.751	5.751	0.0	82	1794952	10.1	
69 Bis(2-chloroethyl)ether	93	5.804	5.804	0.0	93	1075083	9.84	
46 2-Chlorophenol	128	5.858	5.858	0.0	88	798948	9.95	
47 1,3-Dichlorobenzene	146	6.002	6.002	0.0	81	855886	9.91	
48 1,4-Dichlorobenzene	146	6.066	6.066	0.0	78	856970	9.82	
49 Benzyl alcohol	108	6.157	6.157	0.0	83	673487	10.2	
50 1,2-Dichlorobenzene	146	6.199	6.199	0.0	75	804726	9.59	
51 2-Methylphenol	108	6.237	6.237	0.0	94	973970	10.3	
53 2,2'-oxybis[1-chloropropane]	45	6.274	6.274	0.0	95	1110965	9.98	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.365	6.365	0.0	87	1015483	10.1	
57 N-Nitrosodi-n-propylamine	70	6.386	6.386	0.0	69	990057	10.0	
58 Acetophenone	105	6.392	6.392	0.0	86	1444593	9.90	
61 Hexachloroethane	117	6.504	6.504	0.0	90	396040	9.71	
62 Nitrobenzene	77	6.547	6.547	0.0	70	1497384	10.2	
64 Isophorone	82	6.744	6.744	0.0	94	2794681	10.4	
66 2-Nitrophenol	139	6.819	6.819	0.0	85	428852	10.7	
65 2,4-Dimethylphenol	107	6.830	6.830	0.0	95	1124586	9.98	
67 1,3,5-Trichlorobenzene	180	6.830	6.830	0.0	67	798595	9.70	
71 Benzoic acid	122	6.889	6.889	0.0	77	992750	20.0	
70 Bis(2-chloroethoxy)methane	93	6.915	6.915	0.0	94	1378514	10.0	
73 2,4-Dichlorophenol	162	7.017	7.017	0.0	87	641251	9.90	
74 1,2,4-Trichlorobenzene	180	7.102	7.102	0.0	78	767717	9.59	
75 Naphthalene	128	7.177	7.177	0.0	79	2482143	9.89	
76 4-Chloroaniline	127	7.204	7.204	0.0	79	1004186	10.1	
79 Hexachlorobutadiene	225	7.268	7.268	0.0	86	426339	9.76	
80 1,2,3-Trichlorobenzene	180	7.295	7.295	0.0	78	728769	0	
84 Caprolactam	113	7.487	7.487	0.0	82	267301	10.1	
86 4-Chloro-3-methylphenol	107	7.594	7.594	0.0	79	971266	10.2	
87 2-Methylnaphthalene	142	7.759	7.759	0.0	85	1568614	9.97	
88 1-Methylnaphthalene	142	7.850	7.850	0.0	79	1525035	10.0	
90 1,2,3,5-Tetrachlorobenzene	216	7.888	7.888	0.0	81	793734	9.97	
89 Hexachlorocyclopentadiene	237	7.893	7.893	0.0	73	464113	10.1	
92 2,4,6-Trichlorophenol	196	7.989	7.989	0.0	85	487834	9.87	
93 2,4,5-Trichlorophenol	196	8.016	8.016	0.0	89	549869	10.1	
97 2,4-Toluene diamine	121	8.133	8.133	0.0	97	444710	9.94	
99 1,2,3,4 -Tetrachlorobenzene	216	8.144	8.144	0.0	84	767938	0	
98 1,1'-Biphenyl	154	8.149	8.149	0.0	94	2097075	10.2	
100 2-Chloronaphthalene	162	8.181	8.181	0.0	91	1601844	10.2	
102 2-Nitroaniline	65	8.246	8.246	0.0	71	759915	10.4	
105 Dimethyl phthalate	163	8.384	8.384	0.0	92	1847769	9.96	
107 2,6-Dinitrotoluene	165	8.443	8.443	0.0	75	408875	10.6	
108 1,2-Dinitrobenzene	168	8.497	8.497	0.0	81	202332	10.7	
109 Acenaphthylene	152	8.534	8.534	0.0	86	2549553	10.2	
110 3-Nitroaniline	138	8.593	8.593	0.0	80	425539	10.3	
111 2,4-Dinitrophenol	184	8.678	8.678	0.0	65	538392	20.0	
112 Acenaphthene	153	8.678	8.678	0.0	84	1575777	9.90	
113 4-Nitrophenol	109	8.700	8.700	0.0	74	325899	10.7	
114 2,4-Dinitrotoluene	165	8.785	8.785	0.0	78	550422	10.6	
116 Dibenzofuran	168	8.822	8.822	0.0	85	2367844	10.3	
118 2,3,5,6-Tetrachlorophenol	232	8.881	8.881	0.0	85	453798	10.1	
121 Diethyl phthalate	149	8.977	8.977	0.0	94	1832980	9.99	
123 4-Chlorophenyl phenyl ether	204	9.100	9.100	0.0	88	981917	9.95	
125 4-Nitroaniline	138	9.111	9.111	0.0	80	458818	10.5	
126 Fluorene	166	9.116	9.116	0.0	67	1907218	9.81	
128 4,6-Dinitro-2-methylphenol	198	9.132	9.132	0.0	76	374569	10.0	
131 N-Nitrosodiphenylamine	169	9.191	9.191	0.0	94	1381461	10.0	
133 Azobenzene	77	9.234	9.234	0.0	92	3692336	11.0	
132 1,2-Diphenylhydrazine	77	9.234	9.234	0.0	99	3692336	11.0	
139 4-Bromophenyl phenyl ether	248	9.517	9.517	0.0	66	517373	10.3	
141 Hexachlorobenzene	284	9.581	9.581	0.0	78	503817	9.92	
142 Atrazine	200	9.624	9.624	0.0	80	463454	10.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.741	9.741	0.0	81	749230	19.7	
148 Phenanthrene	178	9.939	9.939	0.0	82	2998659	10.1	
149 Anthracene	178	9.982	9.982	0.0	81	3207585	10.7	
151 Carbazole	167	10.105	10.105	0.0	61	2771758	10.4	
154 Di-n-butyl phthalate	149	10.356	10.356	0.0	100	3532454	10.7	
159 Fluoranthene	202	10.959	10.959	0.0	76	3605052	10.6	
160 Benzidine	184	11.050	11.050	0.0	86	1843303	9.84	
161 Pyrene	202	11.178	11.178	0.0	73	3639569	10.5	
168 Butyl benzyl phthalate	149	11.787	11.787	0.0	85	1468183	10.6	
172 3,3'-Dimethoxybenzidine	244	12.418	12.418	0.0	85	786421	9.73	
174 4,4'-Methylene bis(2-chloroanili	231	12.466	12.466	0.0	67	594586	10.7	
175 3,3'-Dichlorobenzidine	252	12.466	12.466	0.0	70	1151707	9.95	
173 Bis(2-ethylhexyl) phthalate	149	12.482	12.482	0.0	94	2092198	10.2	
177 Benzo[a]anthracene	228	12.525	12.525	0.0	80	3116592	10.0	
178 Chrysene	228	12.573	12.573	0.0	82	2855800	10.0	
180 Di-n-octyl phthalate	149	13.422	13.422	0.0	98	3512292	9.91	
182 Benzo[b]fluoranthene	252	14.079	14.079	0.0	83	2885491	10.0	
183 Benzo[k]fluoranthene	252	14.122	14.122	0.0	82	3025983	10.2	
184 Benzo[a]pyrene	252	14.597	14.597	0.0	77	2722148	10.0	
188 Indeno[1,2,3-cd]pyrene	276	16.403	16.403	0.0	78	3017526	10.1	
189 Dibenz(a,h)anthracene	278	16.430	16.430	0.0	60	2535331	10.3	
190 Benzo[g,h,i]perylene	276	16.889	16.889	0.0	80	2461930	9.80	
S 191 Methyl Phenols,Total	100				0		20.4	

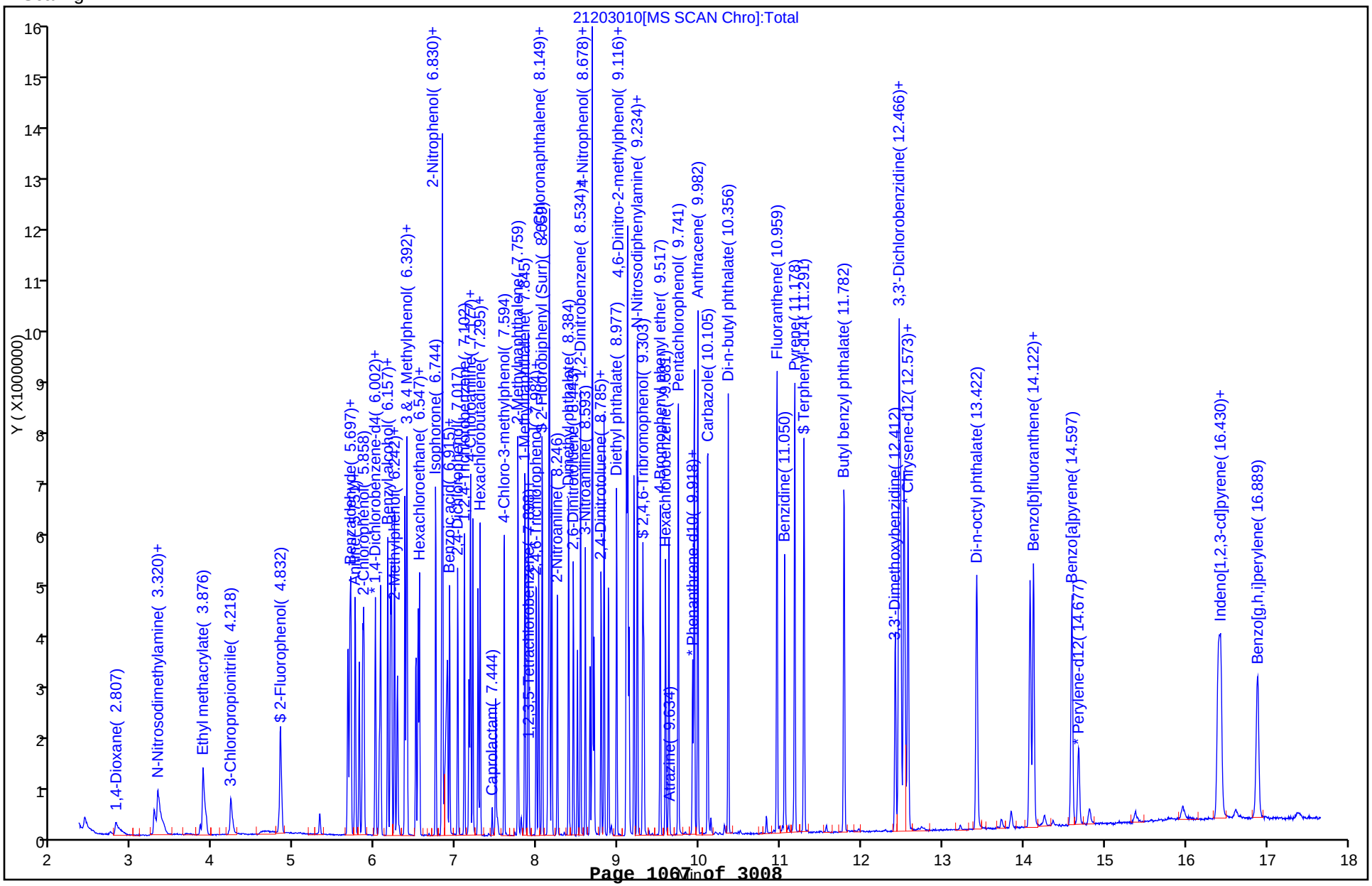
Report Date: 04-Dec-2012 08:01:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D

Injection Date:	03-Dec-2012 15:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	10
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-64921/21 Calibration Date: 11/14/2012 14:53

Instrument ID: A4HP9 Calib Start Date: 11/08/2012 12:24

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/08/2012 14:39

Lab File ID: 21114021.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dichlorophenol	Ave	0.2552	0.3309	0.0500	0.0100	10.0	29.6*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5067		0.0500	0.000550	10.0		20.0
N-Nitrosopyrrolidine	Ave	0.9526		0.0500	0.00240	10.0		20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114021.D
Lims ID: icv ind Client ID:
Inject. Date: 14-Nov-2012 14:53:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014932-021
Misc. Info.: ICV IND =ICV IND
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 64921 Lims Sample ID: 21
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m
Last Update: 15-Nov-2012 07:40:27 Calib Date: 14-Nov-2012 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: ulmanm Date: 14-Nov-2012 15:28:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.835	3.839	-0.004	87	155222	4.00	
* 2 Naphthalene-d8	136	4.796	4.795	0.001	99	585567	4.00	
* 3 Acenaphthene-d10	164	6.089	6.087	0.002	77	383760	4.00	
* 4 Phenanthrene-d10	188	7.173	7.172	0.001	97	681510	4.00	
* 5 Chrysene-d12	240	9.128	9.116	0.012	78	726263	4.00	
* 6 Perylene-d12	264	10.495	10.483	0.012	97	612788	4.00	
25 1,4-Dioxane	88	1.736	1.740	-0.004	81	335411	10.1	
26 N-Nitrosodimethylamine	74	1.912	1.911	0.001	87	575046	10.6	
41 Benzaldehyde	77	3.504	3.502	0.002	84	214324	3.27	
43 Phenol	94	3.525	3.529	-0.004	87	961327	10.7	
44 Aniline	93	3.579	3.582	-0.003	82	506568	4.47	
69 Bis(2-chloroethyl)ether	93	3.611	3.609	0.002	93	791384	10.9	
46 2-Chlorophenol	128	3.675	3.679	-0.004	91	545234	10.4	
47 1,3-Dichlorobenzene	146	3.798	3.796	0.002	83	628966	10.4	
48 1,4-Dichlorobenzene	146	3.851	3.850	0.001	83	630716	10.6	
49 Benzyl alcohol	108	3.921	3.919	0.002	85	452210	10.7	
50 1,2-Dichlorobenzene	146	3.969	3.972	-0.003	85	590969	10.3	
56 N-Nitrosopyrrolidine	100		3.987					
51 2-Methylphenol	108	3.990	3.988	0.002	88	539279	9.22	
53 2,2'-oxybis[1-chloropropane]	45	4.017	4.020	-0.003	98	662613	10.5	
21 3 & 4 Methylphenol	108	4.102	4.106	-0.004	92	626752	10.1	
57 N-Nitrosodi-n-propylamine	70	4.118	4.122	-0.004	70	697249	11.1	
58 Acetophenone	105	4.129	4.127	0.002	75	962404	10.4	
61 Hexachloroethane	117	4.230	4.229	0.001	89	257008	10.4	
62 Nitrobenzene	77	4.262	4.261	0.001	77	950735	10.8	
64 Isophorone	82	4.433	4.437	-0.004	95	1646407	10.6	
66 2-Nitrophenol	139	4.503	4.501	0.002	88	313357	10.7	
65 2,4-Dimethylphenol	107	4.508	4.506	0.002	96	640391	8.98	
71 Benzoic acid	122	4.599	4.592	0.007	78	827060	23.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 Bis(2-chloroethoxy)methane	93	4.577	4.576	0.001	96	877466	10.7	
73 2,4-Dichlorophenol	162	4.679	4.677	0.002	91	484387	10.9	
77 2,6-Dichlorophenol	162	4.679	4.729	-0.050	85	484387	0	
74 1,2,4-Trichlorobenzene	180	4.748	4.747	0.001	85	539968	10.1	
75 Naphthalene	128	4.812	4.811	0.001	98	1626707	10.7	
76 4-Chloroaniline	127	4.834	4.832	0.002	76	528586	8.08	
79 Hexachlorobutadiene	225	4.898	4.896	0.002	87	341959	10.8	
84 Caprolactam	113	5.096	5.094	0.002	81	229475	11.2	
86 4-Chloro-3-methylphenol	107	5.176	5.174	0.002	79	676556	10.9	
87 2-Methylnaphthalene	142	5.320	5.318	0.002	85	1076079	10.8	
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
89 Hexachlorocyclopentadiene	237	5.437	5.436	0.001	85	423297	11.0	
92 2,4,6-Trichlorophenol	196	5.517	5.516	0.001	92	413367	11.1	
93 2,4,5-Trichlorophenol	196	5.550	5.548	0.002	93	432506	10.9	
98 1,1'-Biphenyl	154	5.656	5.655	0.001	96	1421418	11.0	
100 2-Chloronaphthalene	162	5.683	5.681	0.002	98	1131574	10.9	
102 2-Nitroaniline	65	5.742	5.740	0.002	71	495635	11.2	
105 Dimethyl phthalate	163	5.854	5.852	0.002	96	1338117	11.0	
107 2,6-Dinitrotoluene	165	5.907	5.906	0.001	86	311347	11.1	
109 Acenaphthylene	152	5.988	5.986	0.002	86	1757292	10.7	
110 3-Nitroaniline	138	6.036	6.034	0.002	84	281131	9.73	
111 2,4-Dinitrophenol	184	6.110	6.109	0.001	70	483202	20.5	
112 Acenaphthene	153	6.116	6.114	0.002	93	1099890	10.8	
113 4-Nitrophenol	109	6.137	6.135	0.002	84	234239	11.1	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
114 2,4-Dinitrotoluene	165	6.201	6.200	0.001	82	432418	11.4	
116 Dibenzofuran	168	6.239	6.237	0.002	85	1592958	10.7	
121 Diethyl phthalate	149	6.361	6.360	0.001	96	1330835	11.1	
123 4-Chlorophenyl phenyl ether	204	6.468	6.467	0.001	86	723284	11.0	
125 4-Nitroaniline	138	6.484	6.483	0.001	68	315778	10.2	
126 Fluorene	166	6.484	6.488	-0.004	74	1322500	10.5	
128 4,6-Dinitro-2-methylphenol	198	6.500	6.499	0.001	85	305116	11.8	
131 N-Nitrosodiphenylamine	169	6.548	6.547	0.001	98	996825	10.6	
133 Azobenzene	77	6.580	6.579	0.001	96	1961611	11.3	
139 4-Bromophenyl phenyl ether	248	6.826	6.824	0.002	62	378864	11.0	
141 Hexachlorobenzene	284	6.895	6.894	0.001	83	363452	11.0	
142 Atrazine	200		6.910					9
143 Pentachlorophenol	266	7.029	7.027	0.002	83	582530	24.6	
148 Phenanthrene	178	7.189	7.188	0.001	87	1985381	10.9	
149 Anthracene	178	7.227	7.225	0.002	87	1999698	10.6	
151 Carbazole	167	7.328	7.327	0.001	82	1795130	10.9	
154 Di-n-butyl phthalate	149	7.536	7.529	0.007	100	2325914	11.3	
159 Fluoranthene	202	8.055	8.053	0.002	99	2356734	11.0	
160 Benzidine	184		8.117					9
161 Pyrene	202	8.225	8.224	0.001	95	2391261	10.4	
168 Butyl benzyl phthalate	149	8.637	8.630	0.007	93	1065561	10.8	
173 Bis(2-ethylhexyl) phthalate	149	9.048	9.036	0.012	95	1455931	10.5	
175 3,3'-Dichlorobenzidine	252	9.069	9.062	0.007	54	621072	7.80	
177 Benzo[a]anthracene	228	9.117	9.105	0.012	89	2250336	9.87	
178 Chrysene	228	9.149	9.137	0.012	91	2132319	10.5	
180 Di-n-octyl phthalate	149	9.566	9.554	0.012	98	2520832	10.2	
182 Benzo[b]fluoranthene	252	10.073	10.061	0.012	85	1973040	8.69	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
183 Benzo[k]fluoranthene	252	10.100	10.088	0.012	86	2285872	11.0	
184 Benzo[a]pyrene	252	10.437	10.424	0.013	75	1716430	8.71	
188 Indeno[1,2,3-cd]pyrene	276	11.980	11.957	0.023	90	2016577	9.90	
189 Dibenz(a,h)anthracene	278	11.980	11.963	0.017	84	1701875	10.0	
190 Benzo[g,h,i]perylene	276	12.429	12.406	0.023	90	1647532	9.62	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

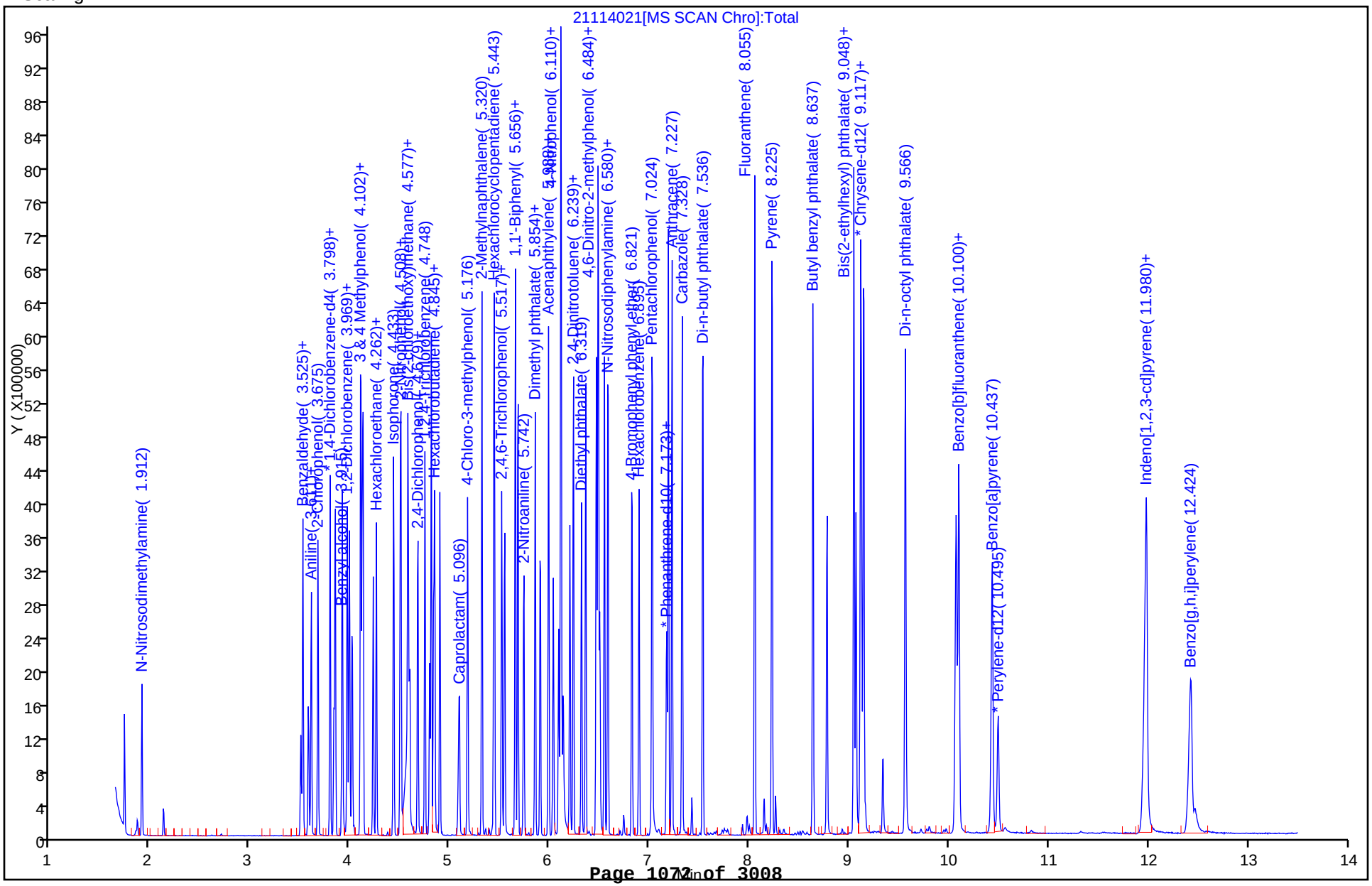
Report Date: 15-Nov-2012 07:40:30 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114021.D

Injection Date:	14-Nov-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-64921/21 Calibration Date: 11/14/2012 14:53

Instrument ID: A4HP9 Calib Start Date: 11/14/2012 11:39

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/14/2012 14:12

Lab File ID: 21114021.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8555	0.8643	0.0500	10.1	10.0	1.0	20.0
N-Nitrosodimethylamine	Ave	1.399	1.482	0.0500	10.6	10.0	5.9	20.0
Benzaldehyde	Ave	1.691	0.5523	0.0500	3.27	10.0	-67.3*	20.0
Phenol	Ave	2.318	2.477	0.0500	10.7	10.0	6.9	20.0
Aniline	Ave	2.922	1.305	0.0500	4.47	10.0	-55.3*	20.0
Bis(2-chloroethyl)ether	Ave	1.866	2.039	0.0500	10.9	10.0	9.3	20.0
2-Chlorophenol	Ave	1.357	1.405	0.0500	10.4	10.0	3.6	20.0
1,3-Dichlorobenzene	Ave	1.562	1.621	0.0500	10.4	10.0	3.8	20.0
1,4-Dichlorobenzene	Ave	1.532	1.625	0.0500	10.6	10.0	6.1	20.0
Benzyl alcohol	Ave	1.087	1.165	0.0500	10.7	10.0	7.2	20.0
1,2-Dichlorobenzene	Ave	1.482	1.523	0.0500	10.3	10.0	2.7	20.0
2-Methylphenol	Ave	1.507	1.390	0.0500	9.22	10.0	-7.8	20.0
bis (2-chloroisopropyl) ether	Ave	1.633	1.708	0.0500	10.5	10.0	4.6	20.0
3 & 4 Methylphenol	Ave	1.605	1.615	0.0500	10.1	10.0	0.6	20.0
N-Nitrosodi-n-propylamine	Ave	1.626	1.797	0.0500	11.1	10.0	10.5	20.0
Acetophenone	Ave	2.393	2.480	0.0500	10.4	10.0	3.7	20.0
Hexachloroethane	Ave	0.6342	0.6623	0.0500	10.4	10.0	4.4	20.0
Nitrobenzene	Ave	0.6002	0.6495	0.0500	10.8	10.0	8.2	20.0
Isophorone	Ave	1.057	1.125	0.0500	10.6	10.0	6.4	20.0
2-Nitrophenol	Ave	0.1992	0.2141	0.0500	10.7	10.0	7.5	20.0
2,4-Dimethylphenol	Ave	0.4869	0.4375	0.0500	8.98	10.0	-10.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.5579	0.5994	0.0500	10.7	10.0	7.4	20.0
Benzoic acid	Qua		0.2825	0.0500	23.3	20.0	16.4	20.0
2,4-Dichlorophenol	Ave	0.3029	0.3309	0.0500	10.9	10.0	9.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3641	0.3689	0.0500	10.1	10.0	1.3	20.0
Naphthalene	Ave	1.038	1.111	0.0500	10.7	10.0	7.1	20.0
4-Chloroaniline	Ave	0.4469	0.3611	0.0500	8.08	10.0	-19.2	20.0
Hexachlorobutadiene	Ave	0.2166	0.2336	0.0500	10.8	10.0	7.9	20.0
Caprolactam	Ave	0.1400	0.1568	0.0500	11.2	10.0	12.0	20.0
4-Chloro-3-methylphenol	Ave	0.4229	0.4622	0.0500	10.9	10.0	9.3	20.0
2-Methylnaphthalene	Ave	0.6836	0.7351	0.0500	10.8	10.0	7.5	20.0
Hexachlorocyclopentadiene	Ave	0.3993	0.4412	0.0500	11.0	10.0	10.5	20.0
2,4,6-Trichlorophenol	Ave	0.3874	0.4309	0.0500	11.1	10.0	11.2	20.0
2,4,5-Trichlorophenol	Ave	0.4146	0.4508	0.0500	10.9	10.0	8.7	20.0
1,1'-Biphenyl	Ave	1.348	1.482	0.0500	11.0	10.0	9.9	20.0
2-Chloronaphthalene	Ave	1.082	1.179	0.0500	10.9	10.0	9.0	20.0
2-Nitroaniline	Ave	0.4617	0.5166	0.0500	11.2	10.0	11.9	20.0
Dimethyl phthalate	Ave	1.271	1.395	0.0500	11.0	10.0	9.7	20.0
2,6-Dinitrotoluene	Ave	0.2922	0.3245	0.0500	11.1	10.0	11.1	20.0
Acenaphthylene	Ave	1.715	1.832	0.0500	10.7	10.0	6.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-64921/21 Calibration Date: 11/14/2012 14:53

Instrument ID: A4HP9 Calib Start Date: 11/14/2012 11:39

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/14/2012 14:12

Lab File ID: 21114021.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3-Nitroaniline	Ave	0.3011	0.2930	0.0500	9.73	10.0	-2.7	20.0
2,4-Dinitrophenol	Qua		0.2518	0.0500	20.5	20.0	2.4	20.0
Acenaphthene	Ave	1.059	1.146	0.0500	10.8	10.0	8.2	20.0
4-Nitrophenol	Ave	0.2190	0.2442	0.0500	11.1	10.0	11.5	20.0
2,4-Dinitrotoluene	Ave	0.3953	0.4507	0.0500	11.4	10.0	14.0	20.0
Dibenzofuran	Ave	1.550	1.660	0.0500	10.7	10.0	7.1	20.0
Diethyl phthalate	Ave	1.253	1.387	0.0500	11.1	10.0	10.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.6853	0.7539	0.0500	11.0	10.0	10.0	20.0
4-Nitroaniline	Ave	0.3232	0.3291	0.0500	10.2	10.0	1.8	20.0
Fluorene	Ave	1.311	1.378	0.0500	10.5	10.0	5.2	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1513	0.1791	0.0500	11.8	10.0	18.3	20.0
N-Nitrosodiphenylamine	Ave	0.5533	0.5851	0.0500	10.6	10.0	5.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2025	0.2224	0.0500	11.0	10.0	9.8	20.0
Hexachlorobenzene	Ave	0.1936	0.2133	0.0500	11.0	10.0	10.2	20.0
Pentachlorophenol	Ave	0.1392	0.1710	0.0500	24.6	20.0	22.8*	20.0
Phenanthrene	Ave	1.069	1.165	0.0500	10.9	10.0	9.0	20.0
Anthracene	Ave	1.104	1.174	0.0500	10.6	10.0	6.3	20.0
Carbazole	Ave	0.9707	1.054	0.0500	10.9	10.0	8.5	20.0
Di-n-butyl phthalate	Ave	1.210	1.365	0.0500	11.3	10.0	12.8	20.0
Fluoranthene	Ave	1.253	1.383	0.0500	11.0	10.0	10.4	20.0
Pyrene	Ave	1.271	1.317	0.0500	10.4	10.0	3.6	20.0
Butyl benzyl phthalate	Ave	0.5459	0.5869	0.0500	10.8	10.0	7.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7669	0.8019	0.0500	10.5	10.0	4.6	20.0
3,3'-Dichlorobenzidine	Ave	0.4385	0.3421	0.0500	7.80	10.0	-22.0*	20.0
Benzo[a]anthracene	Ave	1.256	1.239	0.0500	9.87	10.0	-1.3	20.0
Chrysene	Ave	1.119	1.174	0.0500	10.5	10.0	4.9	20.0
Di-n-octyl phthalate	Ave	1.618	1.645	0.0500	10.2	10.0	1.7	20.0
Benzo[b]fluoranthene	Ave	1.481	1.288	0.0500	8.69	10.0	-13.1	20.0
Benzo[k]fluoranthene	Ave	1.360	1.492	0.0500	11.0	10.0	9.7	20.0
Benzo[a]pyrene	Ave	1.286	1.120	0.0500	8.71	10.0	-12.9	20.0
Dibenz(a,h)anthracene	Ave	1.111	1.111	0.0500	10.0	10.0	-0.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.330	1.316	0.0500	9.90	10.0	-1.0	20.0
Benzo[g,h,i]perylene	Ave	1.118	1.075	0.0500	9.62	10.0	-3.8	20.0
Atrazine	Ave	0.1913		0.0500	0.000800	10.0		20.0
Benzidine	Ave	0.6825		0.0500	0.00240	10.0		20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114021.D
Lims ID: icv ind Client ID:
Inject. Date: 14-Nov-2012 14:53:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014932-021
Misc. Info.: ICV IND =ICV IND
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 64921 Lims Sample ID: 21
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m
Last Update: 15-Nov-2012 07:40:27 Calib Date: 14-Nov-2012 14:12:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK015

First Level Reviewer: ulmanm Date: 14-Nov-2012 15:28:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.835	3.839	-0.004	87	155222	4.00	
* 2 Naphthalene-d8	136	4.796	4.795	0.001	99	585567	4.00	
* 3 Acenaphthene-d10	164	6.089	6.087	0.002	77	383760	4.00	
* 4 Phenanthrene-d10	188	7.173	7.172	0.001	97	681510	4.00	
* 5 Chrysene-d12	240	9.128	9.116	0.012	78	726263	4.00	
* 6 Perylene-d12	264	10.495	10.483	0.012	97	612788	4.00	
25 1,4-Dioxane	88	1.736	1.740	-0.004	81	335411	10.1	
26 N-Nitrosodimethylamine	74	1.912	1.911	0.001	87	575046	10.6	
41 Benzaldehyde	77	3.504	3.502	0.002	84	214324	3.27	
43 Phenol	94	3.525	3.529	-0.004	87	961327	10.7	
44 Aniline	93	3.579	3.582	-0.003	82	506568	4.47	
69 Bis(2-chloroethyl)ether	93	3.611	3.609	0.002	93	791384	10.9	
46 2-Chlorophenol	128	3.675	3.679	-0.004	91	545234	10.4	
47 1,3-Dichlorobenzene	146	3.798	3.796	0.002	83	628966	10.4	
48 1,4-Dichlorobenzene	146	3.851	3.850	0.001	83	630716	10.6	
49 Benzyl alcohol	108	3.921	3.919	0.002	85	452210	10.7	
50 1,2-Dichlorobenzene	146	3.969	3.972	-0.003	85	590969	10.3	
56 N-Nitrosopyrrolidine	100		3.987					
51 2-Methylphenol	108	3.990	3.988	0.002	88	539279	9.22	
53 2,2'-oxybis[1-chloropropane]	45	4.017	4.020	-0.003	98	662613	10.5	
21 3 & 4 Methylphenol	108	4.102	4.106	-0.004	92	626752	10.1	
57 N-Nitrosodi-n-propylamine	70	4.118	4.122	-0.004	70	697249	11.1	
58 Acetophenone	105	4.129	4.127	0.002	75	962404	10.4	
61 Hexachloroethane	117	4.230	4.229	0.001	89	257008	10.4	
62 Nitrobenzene	77	4.262	4.261	0.001	77	950735	10.8	
64 Isophorone	82	4.433	4.437	-0.004	95	1646407	10.6	
66 2-Nitrophenol	139	4.503	4.501	0.002	88	313357	10.7	
65 2,4-Dimethylphenol	107	4.508	4.506	0.002	96	640391	8.98	
71 Benzoic acid	122	4.599	4.592	0.007	78	827060	23.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 Bis(2-chloroethoxy)methane	93	4.577	4.576	0.001	96	877466	10.7	
73 2,4-Dichlorophenol	162	4.679	4.677	0.002	91	484387	10.9	
77 2,6-Dichlorophenol	162	4.679	4.729	-0.050	85	484387	0	
74 1,2,4-Trichlorobenzene	180	4.748	4.747	0.001	85	539968	10.1	
75 Naphthalene	128	4.812	4.811	0.001	98	1626707	10.7	
76 4-Chloroaniline	127	4.834	4.832	0.002	76	528586	8.08	
79 Hexachlorobutadiene	225	4.898	4.896	0.002	87	341959	10.8	
84 Caprolactam	113	5.096	5.094	0.002	81	229475	11.2	
86 4-Chloro-3-methylphenol	107	5.176	5.174	0.002	79	676556	10.9	
87 2-Methylnaphthalene	142	5.320	5.318	0.002	85	1076079	10.8	
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
89 Hexachlorocyclopentadiene	237	5.437	5.436	0.001	85	423297	11.0	
92 2,4,6-Trichlorophenol	196	5.517	5.516	0.001	92	413367	11.1	
93 2,4,5-Trichlorophenol	196	5.550	5.548	0.002	93	432506	10.9	
98 1,1'-Biphenyl	154	5.656	5.655	0.001	96	1421418	11.0	
100 2-Chloronaphthalene	162	5.683	5.681	0.002	98	1131574	10.9	
102 2-Nitroaniline	65	5.742	5.740	0.002	71	495635	11.2	
105 Dimethyl phthalate	163	5.854	5.852	0.002	96	1338117	11.0	
107 2,6-Dinitrotoluene	165	5.907	5.906	0.001	86	311347	11.1	
109 Acenaphthylene	152	5.988	5.986	0.002	86	1757292	10.7	
110 3-Nitroaniline	138	6.036	6.034	0.002	84	281131	9.73	
111 2,4-Dinitrophenol	184	6.110	6.109	0.001	70	483202	20.5	
112 Acenaphthene	153	6.116	6.114	0.002	93	1099890	10.8	
113 4-Nitrophenol	109	6.137	6.135	0.002	84	234239	11.1	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
114 2,4-Dinitrotoluene	165	6.201	6.200	0.001	82	432418	11.4	
116 Dibenzofuran	168	6.239	6.237	0.002	85	1592958	10.7	
121 Diethyl phthalate	149	6.361	6.360	0.001	96	1330835	11.1	
123 4-Chlorophenyl phenyl ether	204	6.468	6.467	0.001	86	723284	11.0	
125 4-Nitroaniline	138	6.484	6.483	0.001	68	315778	10.2	
126 Fluorene	166	6.484	6.488	-0.004	74	1322500	10.5	
128 4,6-Dinitro-2-methylphenol	198	6.500	6.499	0.001	85	305116	11.8	
131 N-Nitrosodiphenylamine	169	6.548	6.547	0.001	98	996825	10.6	
133 Azobenzene	77	6.580	6.579	0.001	96	1961611	11.3	
139 4-Bromophenyl phenyl ether	248	6.826	6.824	0.002	62	378864	11.0	
141 Hexachlorobenzene	284	6.895	6.894	0.001	83	363452	11.0	
142 Atrazine	200		6.910					9
143 Pentachlorophenol	266	7.029	7.027	0.002	83	582530	24.6	
148 Phenanthrene	178	7.189	7.188	0.001	87	1985381	10.9	
149 Anthracene	178	7.227	7.225	0.002	87	1999698	10.6	
151 Carbazole	167	7.328	7.327	0.001	82	1795130	10.9	
154 Di-n-butyl phthalate	149	7.536	7.529	0.007	100	2325914	11.3	
159 Fluoranthene	202	8.055	8.053	0.002	99	2356734	11.0	
160 Benzidine	184		8.117					9
161 Pyrene	202	8.225	8.224	0.001	95	2391261	10.4	
168 Butyl benzyl phthalate	149	8.637	8.630	0.007	93	1065561	10.8	
173 Bis(2-ethylhexyl) phthalate	149	9.048	9.036	0.012	95	1455931	10.5	
175 3,3'-Dichlorobenzidine	252	9.069	9.062	0.007	54	621072	7.80	
177 Benzo[a]anthracene	228	9.117	9.105	0.012	89	2250336	9.87	
178 Chrysene	228	9.149	9.137	0.012	91	2132319	10.5	
180 Di-n-octyl phthalate	149	9.566	9.554	0.012	98	2520832	10.2	
182 Benzo[b]fluoranthene	252	10.073	10.061	0.012	85	1973040	8.69	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
183 Benzo[k]fluoranthene	252	10.100	10.088	0.012	86	2285872	11.0	
184 Benzo[a]pyrene	252	10.437	10.424	0.013	75	1716430	8.71	
188 Indeno[1,2,3-cd]pyrene	276	11.980	11.957	0.023	90	2016577	9.90	
189 Dibenz(a,h)anthracene	278	11.980	11.963	0.017	84	1701875	10.0	
190 Benzo[g,h,i]perylene	276	12.429	12.406	0.023	90	1647532	9.62	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

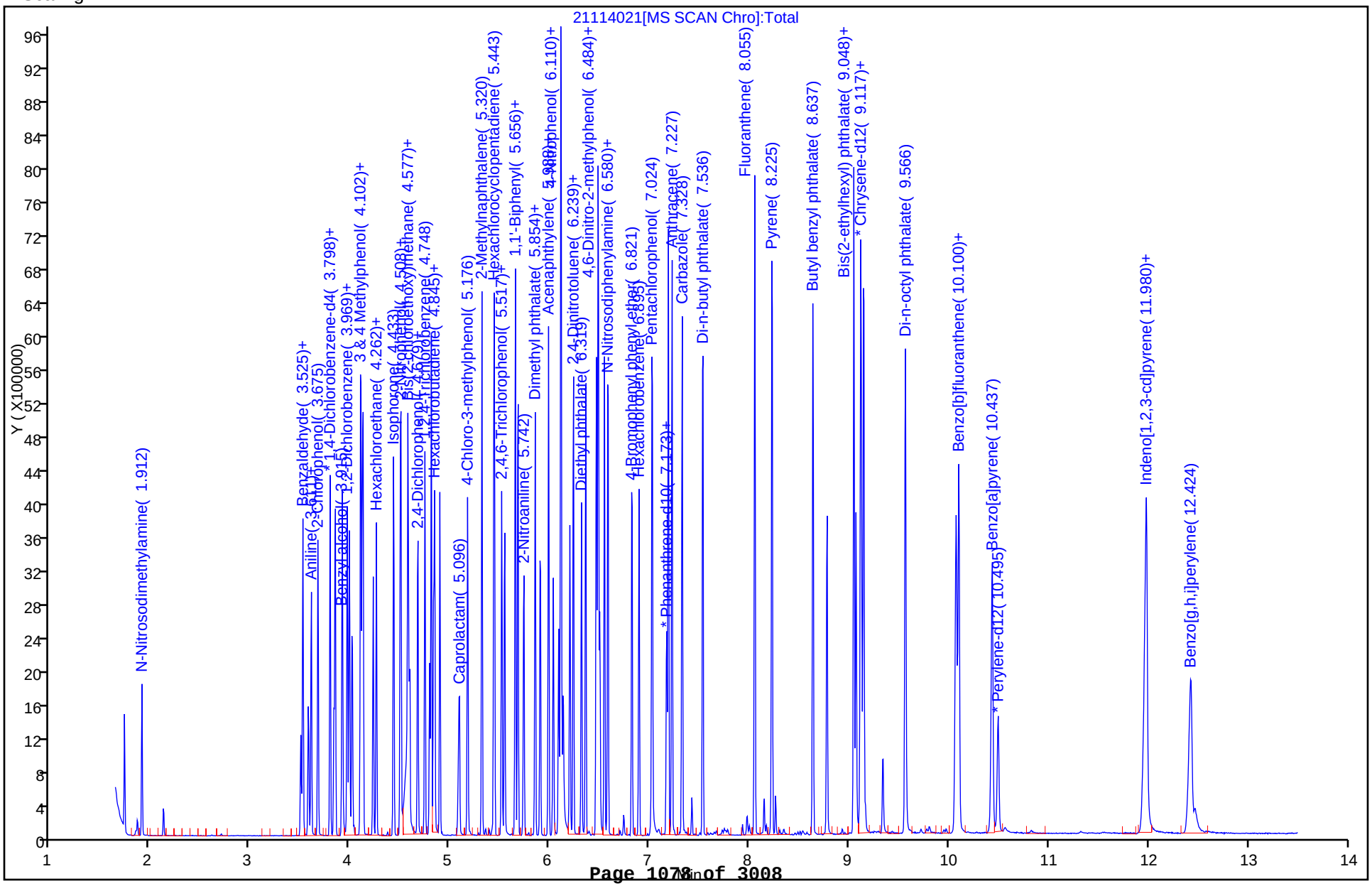
Report Date: 15-Nov-2012 07:40:30 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114021.D

Injection Date:	14-Nov-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	21
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65294/2 Calibration Date: 11/16/2012 09:38

Instrument ID: A4HP9 Calib Start Date: 11/14/2012 11:39

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/14/2012 14:12

Lab File ID: 21116002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.8555	0.7284	0.0500	8.51	10.0	-14.9	20.0
N-Nitrosodimethylamine	Ave	1.399	1.313	0.0500	9.39	10.0	-6.1	20.0
Pyridine	Ave	2.129	1.986	0.0500	9.33	10.0	-6.7	20.0
Benzaldehyde	Ave	1.691	1.322	0.0500	7.82	10.0	-21.8*	20.0
Phenol	Ave	2.318	2.373	0.0500	10.2	10.0	2.4	20.0
Aniline	Ave	2.922	2.983	0.0500	10.2	10.0	2.1	20.0
Bis(2-chloroethyl)ether	Ave	1.866	1.882	0.0500	10.1	10.0	0.9	20.0
2-Chlorophenol	Ave	1.357	1.364	0.0500	10.1	10.0	0.5	20.0
1,3-Dichlorobenzene	Ave	1.562	1.593	0.0500	10.2	10.0	2.0	20.0
1,4-Dichlorobenzene	Ave	1.532	1.570	0.0500	10.2	10.0	2.5	20.0
Benzyl alcohol	Ave	1.087	1.077	0.0500	9.91	10.0	-0.9	20.0
1,2-Dichlorobenzene	Ave	1.482	1.507	0.0500	10.2	10.0	1.7	20.0
2-Methylphenol	Ave	1.507	1.578	0.0500	10.5	10.0	4.7	20.0
bis (2-chloroisopropyl) ether	Ave	1.633	1.625	0.0500	9.95	10.0	-0.5	20.0
3 & 4 Methylphenol	Ave	1.605	1.642	0.0500	10.2	10.0	2.3	20.0
N-Nitrosodi-n-propylamine	Ave	1.626	1.620	0.0500	9.96	10.0	-0.4	20.0
Acetophenone	Ave	2.393	2.445	0.0500	10.2	10.0	2.2	20.0
Hexachloroethane	Ave	0.6342	0.6384	0.0500	10.1	10.0	0.7	20.0
Nitrobenzene	Ave	0.6002	0.5987	0.0500	9.97	10.0	-0.3	20.0
Isophorone	Ave	1.057	1.075	0.0500	10.2	10.0	1.8	20.0
2-Nitrophenol	Ave	0.1992	0.2035	0.0500	10.2	10.0	2.2	20.0
2,4-Dimethylphenol	Ave	0.4869	0.4963	0.0500	10.2	10.0	1.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.5579	0.5757	0.0500	10.3	10.0	3.2	20.0
Benzoic acid	Qua		0.2068	0.0500	17.7	20.0	-11.6	20.0
2,4-Dichlorophenol	Ave	0.3029	0.3148	0.0500	10.4	10.0	3.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3641	0.3647	0.0500	10.0	10.0	0.2	20.0
Naphthalene	Ave	1.038	1.059	0.0500	10.2	10.0	2.0	20.0
4-Chloroaniline	Ave	0.4469	0.4470	0.0500	10.0	10.0	0.0	20.0
Hexachlorobutadiene	Ave	0.2166	0.2157	0.0500	9.96	10.0	-0.4	20.0
Caprolactam	Ave	0.1400	0.1457	0.0500	10.4	10.0	4.0	20.0
4-Chloro-3-methylphenol	Ave	0.4229	0.4259	0.0500	10.1	10.0	0.7	20.0
2-Methylnaphthalene	Ave	0.6836	0.7129	0.0500	10.4	10.0	4.3	20.0
Hexachlorocyclopentadiene	Ave	0.3993	0.3555	0.0500	8.90	10.0	-11.0	20.0
2,4,6-Trichlorophenol	Ave	0.3874	0.3821	0.0500	9.86	10.0	-1.4	20.0
2,4,5-Trichlorophenol	Ave	0.4146	0.3955	0.0500	9.54	10.0	-4.6	20.0
1,1'-Biphenyl	Ave	1.348	1.365	0.0500	10.1	10.0	1.3	20.0
2-Chloronaphthalene	Ave	1.082	1.082	0.0500	10.0	10.0	0.0	20.0
2-Nitroaniline	Ave	0.4617	0.4574	0.0500	9.91	10.0	-0.9	20.0
Dimethyl phthalate	Ave	1.271	1.266	0.0500	9.96	10.0	-0.4	20.0
2,6-Dinitrotoluene	Ave	0.2922	0.3059	0.0500	10.5	10.0	4.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65294/2 Calibration Date: 11/16/2012 09:38

Instrument ID: A4HP9 Calib Start Date: 11/14/2012 11:39

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/14/2012 14:12

Lab File ID: 21116002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.715	1.743	0.0500	10.2	10.0	1.6	20.0
3-Nitroaniline	Ave	0.3011	0.3095	0.0500	10.3	10.0	2.8	20.0
Acenaphthene	Ave	1.059	1.090	0.0500	10.3	10.0	2.9	20.0
2,4-Dinitrophenol	Qua		0.2129	0.0500	17.6	20.0	-12.2	20.0
4-Nitrophenol	Ave	0.2190	0.2025	0.0500	9.24	10.0	-7.6	20.0
2,4-Dinitrotoluene	Ave	0.3953	0.4076	0.0500	10.3	10.0	3.1	20.0
Dibenzofuran	Ave	1.550	1.538	0.0500	9.92	10.0	-0.8	20.0
Diethyl phthalate	Ave	1.253	1.234	0.0500	9.85	10.0	-1.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6853	0.7014	0.0500	10.2	10.0	2.4	20.0
Fluorene	Ave	1.311	1.315	0.0500	10.0	10.0	0.3	20.0
4-Nitroaniline	Ave	0.3232	0.3299	0.0500	10.2	10.0	2.1	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1513	0.1546	0.0500	10.2	10.0	2.2	20.0
N-Nitrosodiphenylamine	Ave	0.5533	0.5427	0.0500	9.81	10.0	-1.9	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.019	0.995	0.0500	9.76	10.0	-2.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2025	0.2045	0.0500	10.1	10.0	1.0	20.0
Hexachlorobenzene	Ave	0.1936	0.1964	0.0500	10.1	10.0	1.5	20.0
Atrazine	Ave	0.1913	0.1794	0.0500	9.38	10.0	-6.2	20.0
Pentachlorophenol	Ave	0.1392	0.1250	0.0500	18.0	20.0	-10.2	20.0
Phenanthrene	Ave	1.069	1.085	0.0500	10.1	10.0	1.5	20.0
Anthracene	Ave	1.104	1.120	0.0500	10.1	10.0	1.5	20.0
Carbazole	Ave	0.9707	1.003	0.0500	10.3	10.0	3.3	20.0
Di-n-butyl phthalate	Ave	1.210	1.239	0.0500	10.2	10.0	2.4	20.0
Fluoranthene	Ave	1.253	1.286	0.0500	10.3	10.0	2.7	20.0
Benzidine	Ave	0.6825	0.7328	0.0500	10.7	10.0	7.4	20.0
Pyrene	Ave	1.271	1.287	0.0500	10.1	10.0	1.2	20.0
Butyl benzyl phthalate	Ave	0.5459	0.5484	0.0500	10.0	10.0	0.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7669	0.7544	0.0500	9.84	10.0	-1.6	20.0
3,3'-Dichlorobenzidine	Ave	0.4385	0.4553	0.0500	10.4	10.0	3.8	20.0
Benzo[a]anthracene	Ave	1.256	1.214	0.0500	9.67	10.0	-3.3	20.0
Chrysene	Ave	1.119	1.097	0.0500	9.80	10.0	-2.0	20.0
Di-n-octyl phthalate	Ave	1.618	1.642	0.0500	10.2	10.0	1.5	20.0
Benzo[b]fluoranthene	Ave	1.481	1.388	0.0500	9.37	10.0	-6.3	20.0
Benzo[k]fluoranthene	Ave	1.360	1.468	0.0500	10.8	10.0	8.0	20.0
Benzo[a]pyrene	Ave	1.286	1.290	0.0500	10.0	10.0	0.3	20.0
Dibenz(a,h)anthracene	Ave	1.111	1.160	0.0500	10.4	10.0	4.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.330	1.353	0.0500	10.2	10.0	1.8	20.0
Benzo[g,h,i]perylene	Ave	1.118	1.121	0.0500	10.0	10.0	0.3	20.0
2-Fluorophenol (Surr)	Ave	1.497	1.500	0.0500	10.0	10.0	0.2	20.0
Phenol-d5 (Surr)	Ave	2.140	2.151	0.0500	10.1	10.0	0.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.6065	0.5652	0.0500	9.32	10.0	-6.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65294/2 Calibration Date: 11/16/2012 09:38

Instrument ID: A4HP9 Calib Start Date: 11/14/2012 11:39

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/14/2012 14:12

Lab File ID: 21116002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorobiphenyl (Surr)	Ave	1.331	1.353	0.0500	10.2	10.0	1.7	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1385	0.1384	0.0500	9.99	10.0	-0.1	20.0
Terphenyl-d14 (Surr)	Ave	0.7690	0.7822	0.0500	10.2	10.0	1.7	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116002.D		
Lims ID:	ccv tcl	Client ID:	
Inject. Date:	16-Nov-2012 09:38:30	Dil. Factor:	1.0000
Sample Type:	CCVIS		
Sample ID:	240-0015012-002		
Misc. Info.:	CCV TCL =CCV TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	65294	Lims Sample ID:	2
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m		
Last Update:	17-Nov-2012 12:48:08	Calib Date:	15-Nov-2012 10:19:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	CORP-CTX-18		
First Level Reviewer: ulmanm		Date:	16-Nov-2012 10:14:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.677	3.677	0.0	86	147783	4.00	
* 2 Naphthalene-d8	136	4.639	4.639	0.0	99	571090	4.00	
* 3 Acenaphthene-d10	164	5.931	5.931	0.0	75	377818	4.00	
* 4 Phenanthrene-d10	188	7.010	7.010	0.0	97	674669	4.00	
* 5 Chrysene-d12	240	8.949	8.949	0.0	76	681998	4.00	
* 6 Perylene-d12	264	10.215	10.215	0.0	94	554478	4.00	
$ 7 2-Fluorophenol	112	2.673	2.673	0.0	94	554159	10.0	
$ 8 Phenol-d5	99	3.373	3.373	0.0	0	794790	10.1	
$ 9 Nitrobenzene-d5	82	4.094	4.094	0.0	82	806913	9.32	
$ 10 2-Fluorobiphenyl (Surr)	172	5.424	5.424	0.0	98	1277998	10.2	
$ 11 2,4,6-Tribromophenol	330	6.503	6.503	0.0	82	130705	9.99	
$ 12 Terphenyl-d14	244	8.142	8.142	0.0	97	1333562	10.2	
25 1,4-Dioxane	88	1.578	1.578	0.0	79	269103	8.51	
26 N-Nitrosodimethylamine	74	1.765	1.765	0.0	82	485216	9.39	
27 Pyridine	79	1.792	1.792	0.0	91	733715	9.33	
28 Ethyl methacrylate	69	2.032	2.032	0.0	79	650137	9.35	
29 3-Chloropropionitrile	54	2.224	2.224	0.0	80	333095	9.98	
33 Malononitrile	66	2.411	2.411	0.0	78	868399	10.2	
41 Benzaldehyde	77	3.346	3.346	0.0	85	488355	7.82	
43 Phenol	94	3.383	3.383	0.0	95	876827	10.2	
44 Aniline	93	3.426	3.426	0.0	83	1101929	10.2	
69 Bis(2-chloroethyl)ether	93	3.458	3.458	0.0	96	695212	10.1	
46 2-Chlorophenol	128	3.522	3.522	0.0	92	503770	10.1	
47 1,3-Dichlorobenzene	146	3.640	3.640	0.0	84	588584	10.2	
48 1,4-Dichlorobenzene	146	3.693	3.693	0.0	83	579904	10.2	
49 Benzyl alcohol	108	3.768	3.768	0.0	85	397921	9.91	
50 1,2-Dichlorobenzene	146	3.811	3.811	0.0	90	556906	10.2	
51 2-Methylphenol	108	3.848	3.848	0.0	95	583030	10.5	
53 2,2'-oxybis[1-chloropropane]	45	3.864	3.864	0.0	99	600259	9.95	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	3.960	3.960	0.0	94	606593	10.2	
57 N-Nitrosodi-n-propylamine	70	3.971	3.971	0.0	73	598522	9.96	
58 Acetophenone	105	3.976	3.976	0.0	88	903176	10.2	
61 Hexachloroethane	117	4.067	4.067	0.0	91	235848	10.1	
62 Nitrobenzene	77	4.110	4.110	0.0	79	854709	9.97	
64 Isophorone	82	4.286	4.286	0.0	94	1534991	10.2	
66 2-Nitrophenol	139	4.350	4.350	0.0	95	290493	10.2	
65 2,4-Dimethylphenol	107	4.361	4.361	0.0	98	708546	10.2	
67 1,3,5-Trichlorobenzene	180	4.361	4.361	0.0	87	530996	10.2	
70 Bis(2-chloroethoxy)methane	93	4.430	4.430	0.0	94	821899	10.3	
71 Benzoic acid	122	4.468	4.468	0.0	77	590558	17.7	
73 2,4-Dichlorophenol	162	4.526	4.526	0.0	94	449432	10.4	
74 1,2,4-Trichlorobenzene	180	4.596	4.596	0.0	87	520719	10.0	
75 Naphthalene	128	4.655	4.655	0.0	98	1511440	10.2	
76 4-Chloroaniline	127	4.681	4.681	0.0	79	638193	10.0	
79 Hexachlorobutadiene	225	4.740	4.740	0.0	88	307884	9.96	
80 1,2,3-Trichlorobenzene	180	4.761	4.761	0.0	87	481007	0	
84 Caprolactam	113	4.948	4.948	0.0	78	207949	10.4	
86 4-Chloro-3-methylphenol	107	5.034	5.034	0.0	79	608061	10.1	
87 2-Methylnaphthalene	142	5.162	5.162	0.0	86	1017869	10.4	
88 1-Methylnaphthalene	142	5.237	5.237	0.0	79	957392	10.3	
89 Hexachlorocyclopentadiene	237	5.280	5.280	0.0	69	335815	8.90	
90 1,2,3,5-Tetrachlorobenzene	216	5.280	5.280	0.0	90	564470	9.97	
92 2,4,6-Trichlorophenol	196	5.365	5.365	0.0	89	360885	9.86	
93 2,4,5-Trichlorophenol	196	5.397	5.397	0.0	93	373534	9.54	
97 2,4-Toluene diamine	121	5.482	5.482	0.0	96	216007	5.11	
98 1,1'-Biphenyl	154	5.499	5.499	0.0	96	1289176	10.1	
99 1,2,3,4 -Tetrachlorobenzene	216	5.499	5.499	0.0	63	532955	0	
100 2-Chloronaphthalene	162	5.525	5.525	0.0	95	1022090	10.0	
102 2-Nitroaniline	65	5.589	5.589	0.0	74	431995	9.91	
105 Dimethyl phthalate	163	5.701	5.701	0.0	95	1195895	9.96	
107 2,6-Dinitrotoluene	165	5.755	5.755	0.0	85	288909	10.5	
108 1,2-Dinitrobenzene	168	5.803	5.803	0.0	85	145670	10.5	
109 Acenaphthylene	152	5.830	5.830	0.0	90	1646666	10.2	
110 3-Nitroaniline	138	5.883	5.883	0.0	84	292290	10.3	
112 Acenaphthene	153	5.953	5.953	0.0	94	1029163	10.3	
111 2,4-Dinitrophenol	184	5.963	5.963	0.0	82	402175	17.6	
113 4-Nitrophenol	109	5.995	5.995	0.0	86	191221	9.24	
114 2,4-Dinitrotoluene	165	6.054	6.054	0.0	82	385001	10.3	
116 Dibenzofuran	168	6.081	6.081	0.0	83	1452808	9.92	
118 2,3,5,6-Tetrachlorophenol	232	6.134	6.134	0.0	88	306322	9.67	
121 Diethyl phthalate	149	6.209	6.209	0.0	96	1165517	9.85	
123 4-Chlorophenyl phenyl ether	204	6.310	6.310	0.0	88	662503	10.2	
126 Fluorene	166	6.326	6.326	0.0	80	1242287	10.0	
125 4-Nitroaniline	138	6.332	6.332	0.0	80	311611	10.2	
128 4,6-Dinitro-2-methylphenol	198	6.353	6.353	0.0	84	260740	10.2	
131 N-Nitrosodiphenylamine	169	6.396	6.396	0.0	96	915329	9.81	
133 Azobenzene	77	6.428	6.428	0.0	96	1684540	9.80	
132 1,2-Diphenylhydrazine	77	6.428	6.428	0.0	97	1678257	9.76	
139 4-Bromophenyl phenyl ether	248	6.663	6.663	0.0	68	344973	10.1	
141 Hexachlorobenzene	284	6.738	6.738	0.0	84	331311	10.1	
142 Atrazine	200	6.764	6.764	0.0	88	302523	9.38	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	6.871	6.871	0.0	85	421551	18.0	
148 Phenanthrene	178	7.026	7.026	0.0	98	1829658	10.1	
149 Anthracene	178	7.063	7.063	0.0	87	1889401	10.1	
151 Carbazole	167	7.170	7.170	0.0	82	1691706	10.3	
154 Di-n-butyl phthalate	149	7.379	7.379	0.0	100	2090428	10.2	
159 Fluoranthene	202	7.891	7.891	0.0	98	2169194	10.3	
160 Benzidine	184	7.961	7.961	0.0	99	1249492	10.7	
161 Pyrene	202	8.062	8.062	0.0	95	2194082	10.1	
168 Butyl benzyl phthalate	149	8.473	8.473	0.0	93	934974	10.0	
172 3,3'-Dimethoxybenzidine	244	8.863	8.863	0.0	84	614046	11.4	
173 Bis(2-ethylhexyl) phthalate	149	8.879	8.879	0.0	95	1286186	9.84	
174 4,4'-Methylene bis(2-chloroanili	231	8.895	8.895	0.0	82	423311	10.4	
175 3,3'-Dichlorobenzidine	252	8.901	8.901	0.0	60	776206	10.4	
177 Benzo[a]anthracene	228	8.944	8.944	0.0	89	2070441	9.67	
178 Chrysene	228	8.970	8.970	0.0	93	1870288	9.80	
180 Di-n-octyl phthalate	149	9.365	9.365	0.0	98	2276632	10.2	
182 Benzo[b]fluoranthene	252	9.830	9.830	0.0	86	1924189	9.37	
183 Benzo[k]fluoranthene	252	9.857	9.857	0.0	86	2035402	10.8	
184 Benzo[a]pyrene	252	10.161	10.161	0.0	74	1787543	10.0	
188 Indeno[1,2,3-cd]pyrene	276	11.577	11.577	0.0	86	1875610	10.2	
189 Dibenz(a,h)anthracene	278	11.577	11.577	0.0	59	1607696	10.4	
190 Benzo[g,h,i]perylene	276	11.983	11.983	0.0	93	1554336	10.0	
S 191 Methyl Phenols,Total	100				0		20.7	

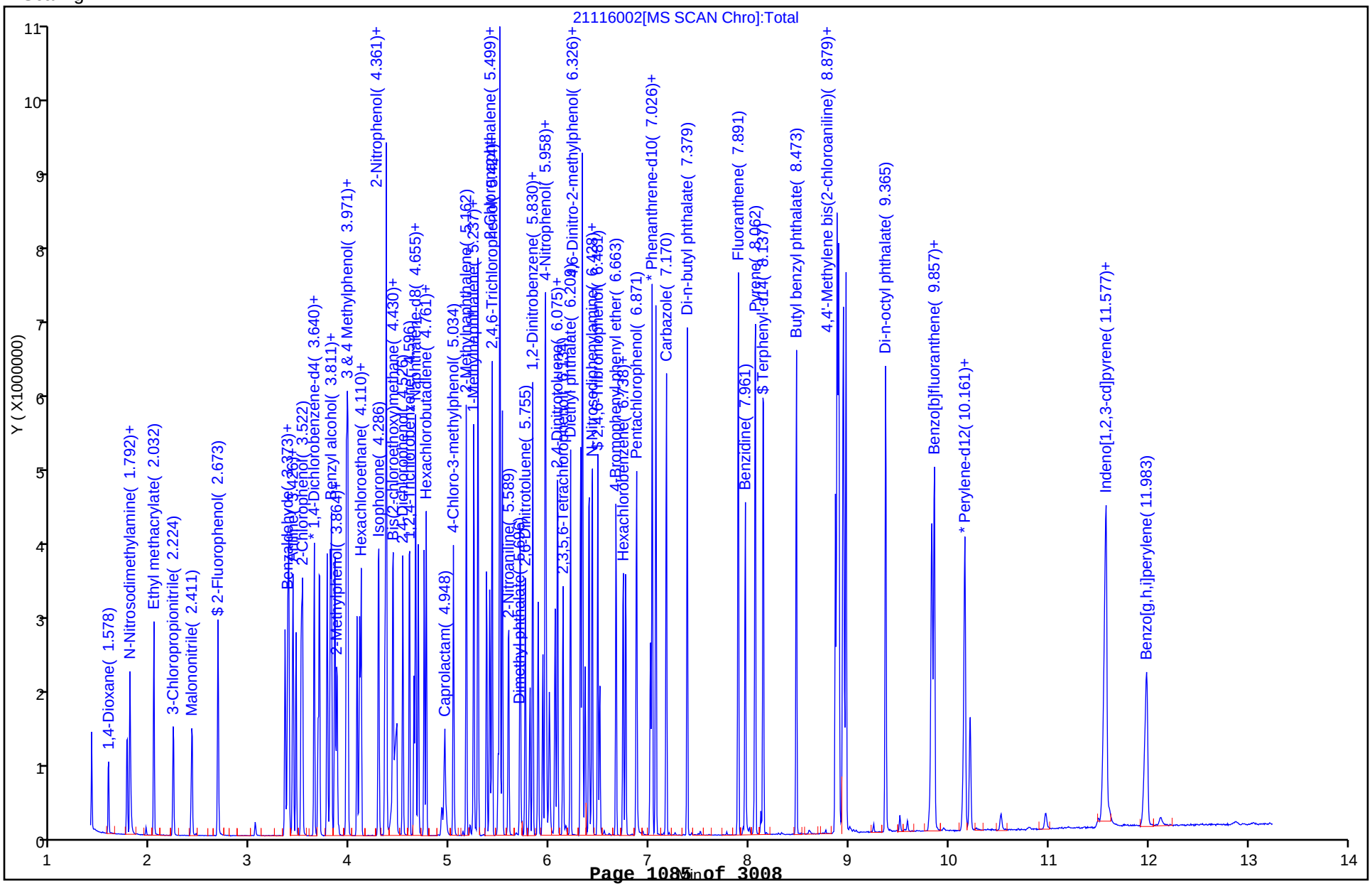
Report Date: 17-Nov-2012 12:48:08 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116002.D

Injection Date:	16-Nov-2012 09:38:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-67070/12 Calibration Date: 12/03/2012 15:52

Instrument ID: A4HP9 Calib Start Date: 11/22/2012 11:53

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/22/2012 14:05

Lab File ID: 21203012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4,5-Tetrachlorobenzene	Ave	0.5590			0.000550	10.0		
2,6-Dichlorophenol	Ave	0.2986			0.0100	10.0		
N-Nitrosopyrrolidine	Ave	0.9013			0.00240	10.0		

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203012.D
Lims ID: icv ind
Client ID:
Inject. Date: 03-Dec-2012 15:52:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015467-012
Misc. Info.: ICV IND =ICV IND
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 12
Lims Batch ID: 67070
Lims Sample ID: 12
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 08:01:30
Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm
Date: 03-Dec-2012 16:29:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.054	6.050	0.004	83	137958	4.00	
* 2 Naphthalene-d8	136	7.154	7.156	-0.002	97	564325	4.00	
* 3 Acenaphthene-d10	164	8.650	8.652	-0.002	62	357466	4.00	
* 4 Phenanthrene-d10	188	9.916	9.918	-0.002	75	594843	4.00	
* 5 Chrysene-d12	240	12.539	12.541	-0.002	74	624609	4.00	
* 6 Perylene-d12	264	14.676	14.677	-0.001	77	454251	4.00	
25 1,4-Dioxane	88	2.805	2.807	-0.002	81	298989	11.2	
26 N-Nitrosodimethylamine	74	3.276	3.272	0.004	77	395535	11.2	
56 N-Nitrosopyrrolidine	100		3.992					
77 2,6-Dichlorophenol	162		4.729					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
41 Benzaldehyde	77	5.664	5.665	-0.001	79	136744	1.93	
43 Phenol	94	5.701	5.703	-0.002	92	999021	11.2	
44 Aniline	93	5.754	5.751	0.003	84	1054544	9.50	
69 Bis(2-chloroethyl)ether	93	5.802	5.804	-0.002	91	777591	11.3	
46 2-Chlorophenol	128	5.861	5.858	0.003	88	552972	11.0	
47 1,3-Dichlorobenzene	146	6.000	6.002	-0.002	77	614232	11.3	
48 1,4-Dichlorobenzene	146	6.064	6.066	-0.002	75	609410	11.1	
49 Benzyl alcohol	108	6.155	6.157	-0.002	84	453451	10.9	
50 1,2-Dichlorobenzene	146	6.203	6.199	0.004	80	596884	11.3	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
51 2-Methylphenol	108	6.240	6.237	0.003	93	629200	10.6	
53 2,2'-oxybis[1-chloropropane]	45	6.273	6.274	-0.001	95	804619	11.5	
21 3 & 4 Methylphenol	108	6.363	6.365	-0.002	93	697345	11.1	
57 N-Nitrosodi-n-propylamine	70	6.385	6.386	-0.001	70	722835	11.6	
58 Acetophenone	105	6.395	6.392	0.003	75	1003264	11.0	
61 Hexachloroethane	117	6.502	6.504	-0.002	90	273697	10.7	
62 Nitrobenzene	77	6.545	6.547	-0.002	76	1024405	11.3	
64 Isophorone	82	6.743	6.744	-0.001	93	1878947	11.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
66 2-Nitrophenol	139	6.817	6.819	-0.002	81	289166	11.7	
65 2,4-Dimethylphenol	107	6.828	6.830	-0.002	96	705084	10.1	
71 Benzoic acid	122	6.882	6.889	-0.007	78	728200	23.2	
70 Bis(2-chloroethoxy)methane	93	6.919	6.915	0.004	98	942848	11.1	
73 2,4-Dichlorophenol	162	7.020	7.017	0.003	92	459393	11.5	
74 1,2,4-Trichlorobenzene	180	7.101	7.102	-0.001	73	540081	10.9	
75 Naphthalene	128	7.175	7.177	-0.002	81	1690873	10.9	
76 4-Chloroaniline	127	7.202	7.204	-0.002	78	658560	10.7	
79 Hexachlorobutadiene	225	7.272	7.268	0.004	87	301779	11.2	
84 Caprolactam	113	7.485	7.487	-0.002	82	207806	12.7	
86 4-Chloro-3-methylphenol	107	7.592	7.594	-0.002	79	631746	10.8	
87 2-Methylnaphthalene	142	7.763	7.759	0.004	84	1069979	11.0	
89 Hexachlorocyclopentadiene	237	7.891	7.893	-0.002	85	340568	11.9	
92 2,4,6-Trichlorophenol	196	7.987	7.989	-0.002	85	345636	11.2	
93 2,4,5-Trichlorophenol	196	8.019	8.016	0.003	90	372765	10.9	
98 1,1'-Biphenyl	154	8.148	8.149	-0.001	95	1442922	11.2	
100 2-Chloronaphthalene	162	8.180	8.181	-0.001	93	1098957	11.2	
102 2-Nitroaniline	65	8.249	8.246	0.003	71	520802	11.4	
105 Dimethyl phthalate	163	8.388	8.384	0.004	93	1277892	11.0	
107 2,6-Dinitrotoluene	165	8.441	8.443	-0.002	73	283135	11.7	
109 Acenaphthylene	152	8.532	8.534	-0.002	68	1713965	10.9	
110 3-Nitroaniline	138	8.591	8.593	-0.002	80	290092	11.2	
111 2,4-Dinitrophenol	184	8.676	8.678	-0.002	70	353977	20.9	
112 Acenaphthene	153	8.676	8.678	-0.002	87	1082656	10.9	
113 4-Nitrophenol	109	8.698	8.700	-0.002	83	223052	11.7	
114 2,4-Dinitrotoluene	165	8.789	8.785	0.004	74	379742	11.7	
116 Dibenzofuran	168	8.826	8.822	0.004	85	1536053	10.7	
121 Diethyl phthalate	149	8.976	8.977	-0.001	95	1255517	10.9	
123 4-Chlorophenyl phenyl ether	204	9.099	9.100	-0.001	88	671563	10.9	
125 4-Nitroaniline	138	9.109	9.111	-0.002	77	266974	9.76	
126 Fluorene	166	9.115	9.116	-0.001	70	1257544	10.3	
128 4,6-Dinitro-2-methylphenol	198	9.131	9.132	-0.001	73	241096	10.8	
131 N-Nitrosodiphenylamine	169	9.195	9.191	0.004	92	903611	11.0	
133 Azobenzene	77	9.232	9.234	-0.002	93	2441037	12.2	
139 4-Bromophenyl phenyl ether	248	9.515	9.517	-0.002	66	349204	11.6	
141 Hexachlorobenzene	284	9.585	9.581	0.004	82	343623	11.4	
142 Atrazine	200	9.622	9.624	-0.002	79	194049	7.42	
143 Pentachlorophenol	266	9.740	9.741	-0.001	78	519711	22.7	
148 Phenanthrene	178	9.937	9.939	-0.002	81	2004995	11.3	
149 Anthracene	178	9.980	9.982	-0.002	82	2024057	11.4	
151 Carbazole	167	10.103	10.105	-0.002	61	1772488	11.1	
154 Di-n-butyl phthalate	149	10.354	10.356	-0.002	99	2294133	11.7	
159 Fluoranthene	202	10.958	10.959	-0.001	78	2302388	11.4	
160 Benzidine	184	11.054	11.050	0.004	70	47446	0.9461	
161 Pyrene	202	11.177	11.178	-0.001	73	2309487	10.7	
168 Butyl benzyl phthalate	149	11.786	11.787	-0.001	85	933651	10.8	
175 3,3'-Dichlorobenzidine	252	12.464	12.466	-0.002	72	570939	7.99	
173 Bis(2-ethylhexyl) phthalate	149	12.480	12.482	-0.002	93	1344128	10.5	
177 Benzo[a]anthracene	228	12.523	12.525	-0.002	79	2038561	10.5	
178 Chrysene	228	12.571	12.573	-0.002	81	1927989	10.8	
180 Di-n-octyl phthalate	149	13.420	13.422	-0.002	98	2198975	11.2	
182 Benzo[b]fluoranthene	252	14.077	14.079	-0.002	86	1815220	11.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
183 Benzo[k]fluoranthene	252	14.120	14.122	-0.002	80	1940920	12.0	
184 Benzo[a]pyrene	252	14.590	14.597	-0.007	75	1585356	10.7	
188 Indeno[1,2,3-cd]pyrene	276	16.401	16.403	-0.002	78	1943034	11.9	
189 Dibenz(a,h)anthracene	278	16.428	16.430	-0.002	55	1606401	12.0	
190 Benzo[g,h,i]perylene	276	16.882	16.889	-0.007	79	1616215	11.8	

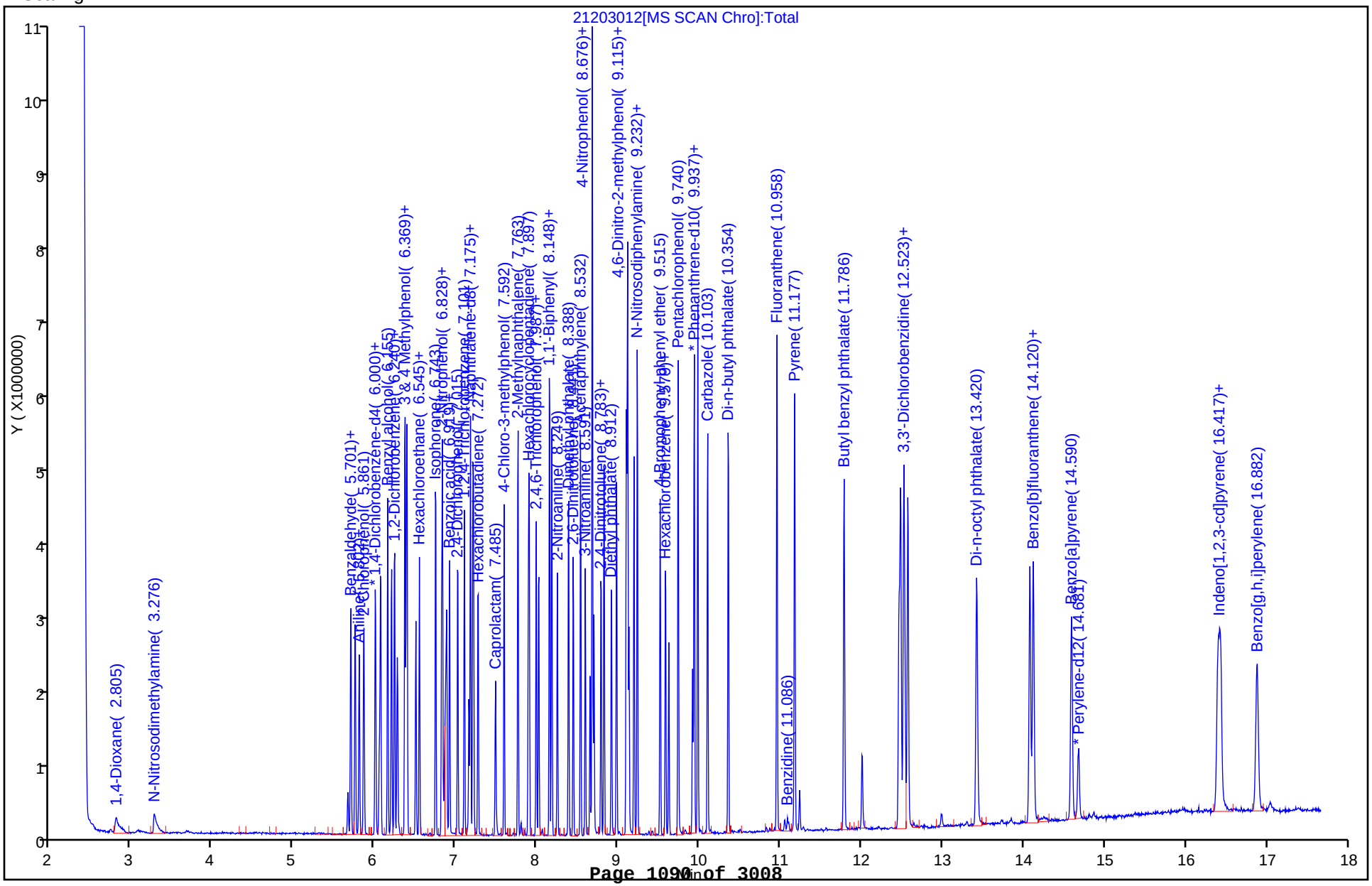
Report Date: 04-Dec-2012 08:01:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203012.D

Injection Date:	03-Dec-2012 15:52:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-67070/12 Calibration Date: 12/03/2012 15:52

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7764	0.8669		11.2	10.0	11.7	
N-Nitrosodimethylamine	Ave	1.020	1.147		11.2	10.0	12.4	
Benzaldehyde	Qua		0.3965		1.93	10.0	-80.7	
Phenol	Ave	2.575	2.897		11.2	10.0	12.5	
Aniline	Ave	3.218	3.058		9.50	10.0	-5.0	
Bis(2-chloroethyl)ether	Ave	1.987	2.255		11.3	10.0	13.5	
2-Chlorophenol	Ave	1.461	1.603		11.0	10.0	9.8	
1,3-Dichlorobenzene	Ave	1.570	1.781		11.3	10.0	13.4	
1,4-Dichlorobenzene	Ave	1.586	1.767		11.1	10.0	11.4	
Benzyl alcohol	Ave	1.204	1.315		10.9	10.0	9.2	
1,2-Dichlorobenzene	Ave	1.526	1.731		11.3	10.0	13.4	
2-Methylphenol	Ave	1.718	1.824		10.6	10.0	6.2	
3 & 4 Methylphenol	Ave	1.828	2.022		11.1	10.0	10.6	
N-Nitrosodi-n-propylamine	Ave	1.801	2.096		11.6	10.0	16.4	
Acetophenone	Ave	2.653	2.909		11.0	10.0	9.6	
Hexachloroethane	Ave	0.7420	0.7936		10.7	10.0	7.0	
Nitrobenzene	Ave	0.6444	0.7261		11.3	10.0	12.7	
Isophorone	Ave	1.175	1.332		11.3	10.0	13.3	
2-Nitrophenol	Ave	0.1757	0.2050		11.7	10.0	16.7	
2,4-Dimethylphenol	Ave	0.4935	0.4998		10.1	10.0	1.3	
Benzoic acid	Qua		0.2581		23.2	20.0	16.1	
Bis(2-chloroethoxy)methane	Ave	0.6014	0.6683		11.1	10.0	11.1	
2,4-Dichlorophenol	Ave	0.2834	0.3256		11.5	10.0	14.9	
1,2,4-Trichlorobenzene	Ave	0.3506	0.3828		10.9	10.0	9.2	
Naphthalene	Ave	1.099	1.199		10.9	10.0	9.1	
Hexachlorobutadiene	Ave	0.1912	0.2139		11.2	10.0	11.9	
Caprolactam	Ave	0.1156	0.1473		12.7	10.0	27.4	
4-Chloro-3-methylphenol	Ave	0.4157	0.4478		10.8	10.0	7.7	
2-Methylnaphthalene	Ave	0.6886	0.7584		11.0	10.0	10.1	
Hexachlorocyclopentadiene	Ave	0.3216	0.3811		11.9	10.0	18.5	
2,4,6-Trichlorophenol	Ave	0.3463	0.3868		11.2	10.0	11.7	
2,4,5-Trichlorophenol	Ave	0.3811	0.4171		10.9	10.0	9.5	
1,1'-Biphenyl	Ave	1.445	1.615		11.2	10.0	11.8	
2-Chloronaphthalene	Ave	1.103	1.230		11.2	10.0	11.5	
2-Nitroaniline	Ave	0.5134	0.5828		11.4	10.0	13.5	
Dimethyl phthalate	Ave	1.299	1.430		11.0	10.0	10.0	
2,6-Dinitrotoluene	Ave	0.2702	0.3168		11.7	10.0	17.2	
Acenaphthylene	Ave	1.759	1.918		10.9	10.0	9.0	
3-Nitroaniline	Ave	0.2907	0.3246		11.2	10.0	11.7	
2,4-Dinitrophenol	Qua		0.1981		20.9	20.0	4.3	
Acenaphthene	Ave	1.116	1.211		10.9	10.0	8.6	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-67070/12 Calibration Date: 12/03/2012 15:52

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.2139	0.2496		11.7	10.0	16.7	
2,4-Dinitrotoluene	Ave	0.3626	0.4249		11.7	10.0	17.2	
Dibenzofuran	Ave	1.610	1.719		10.7	10.0	6.8	
Diethyl phthalate	Ave	1.286	1.405		10.9	10.0	9.2	
4-Chlorophenyl phenyl ether	Ave	0.6916	0.7515		10.9	10.0	8.7	
4-Nitroaniline	Ave	0.3061	0.2987		9.76	10.0	-2.4	
Fluorene	Ave	1.363	1.407		10.3	10.0	3.2	
4,6-Dinitro-2-methylphenol	Qua		0.1621		10.8	10.0	7.6	
N-Nitrosodiphenylamine	Ave	0.5526	0.6076		11.0	10.0	10.0	
4-Bromophenyl phenyl ether	Ave	0.2017	0.2348		11.6	10.0	16.4	
Hexachlorobenzene	Ave	0.2035	0.2311		11.4	10.0	13.5	
Atrazine	Ave	0.1759	0.1305		7.42	10.0	-25.8	
Pentachlorophenol	Qua		0.1747		22.7	20.0	13.4	
Phenanthrene	Ave	1.195	1.348		11.3	10.0	12.8	
Anthracene	Ave	1.197	1.361		11.4	10.0	13.7	
Carbazole	Ave	1.072	1.192		11.1	10.0	11.2	
Di-n-butyl phthalate	Ave	1.317	1.543		11.7	10.0	17.1	
Fluoranthene	Ave	1.364	1.548		11.4	10.0	13.5	
Benzidine	Qua		0.0304		0.946	10.0	-90.5	
Pyrene	Ave	1.384	1.479		10.7	10.0	6.9	
Butyl benzyl phthalate	Ave	0.5524	0.5979		10.8	10.0	8.2	
3,3'-Dichlorobenzidine	Qua		0.3656		7.99	10.0	-20.1	
Bis(2-ethylhexyl) phthalate	Ave	0.8220	0.8608		10.5	10.0	4.7	
Benzo[a]anthracene	Ave	1.246	1.306		10.5	10.0	4.8	
Chrysene	Ave	1.142	1.235		10.8	10.0	8.1	
Di-n-octyl phthalate	Qua		1.936		11.2	10.0	11.6	
Benzo[b]fluoranthene	Ave	1.387	1.598		11.5	10.0	15.3	
Benzo[k]fluoranthene	Ave	1.426	1.709		12.0	10.0	19.9	
Benzo[a]pyrene	Ave	1.309	1.396		10.7	10.0	6.7	
Indeno[1,2,3-cd]pyrene	Ave	1.438	1.711		11.9	10.0	19.0	
Dibenz(a,h)anthracene	Ave	1.180	1.415		12.0	10.0	19.9	
Benzo[g,h,i]perylene	Ave	1.208	1.423		11.8	10.0	17.8	

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203012.D
Lims ID: icv ind
Client ID:
Inject. Date: 03-Dec-2012 15:52:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015467-012
Misc. Info.: ICV IND =ICV IND
Operator: 001574
Instrument ID: A4HP9
Injection Vol: 1.0 ul
ALS Bottle#: 12
Lims Batch ID: 67070
Lims Sample ID: 12
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 08:01:30
Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm
Date: 03-Dec-2012 16:29:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.054	6.050	0.004	83	137958	4.00	
* 2 Naphthalene-d8	136	7.154	7.156	-0.002	97	564325	4.00	
* 3 Acenaphthene-d10	164	8.650	8.652	-0.002	62	357466	4.00	
* 4 Phenanthrene-d10	188	9.916	9.918	-0.002	75	594843	4.00	
* 5 Chrysene-d12	240	12.539	12.541	-0.002	74	624609	4.00	
* 6 Perylene-d12	264	14.676	14.677	-0.001	77	454251	4.00	
25 1,4-Dioxane	88	2.805	2.807	-0.002	81	298989	11.2	
26 N-Nitrosodimethylamine	74	3.276	3.272	0.004	77	395535	11.2	
56 N-Nitrosopyrrolidine	100		3.992					
77 2,6-Dichlorophenol	162		4.729					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
41 Benzaldehyde	77	5.664	5.665	-0.001	79	136744	1.93	
43 Phenol	94	5.701	5.703	-0.002	92	999021	11.2	
44 Aniline	93	5.754	5.751	0.003	84	1054544	9.50	
69 Bis(2-chloroethyl)ether	93	5.802	5.804	-0.002	91	777591	11.3	
46 2-Chlorophenol	128	5.861	5.858	0.003	88	552972	11.0	
47 1,3-Dichlorobenzene	146	6.000	6.002	-0.002	77	614232	11.3	
48 1,4-Dichlorobenzene	146	6.064	6.066	-0.002	75	609410	11.1	
49 Benzyl alcohol	108	6.155	6.157	-0.002	84	453451	10.9	
50 1,2-Dichlorobenzene	146	6.203	6.199	0.004	80	596884	11.3	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
51 2-Methylphenol	108	6.240	6.237	0.003	93	629200	10.6	
53 2,2'-oxybis[1-chloropropane]	45	6.273	6.274	-0.001	95	804619	11.5	
21 3 & 4 Methylphenol	108	6.363	6.365	-0.002	93	697345	11.1	
57 N-Nitrosodi-n-propylamine	70	6.385	6.386	-0.001	70	722835	11.6	
58 Acetophenone	105	6.395	6.392	0.003	75	1003264	11.0	
61 Hexachloroethane	117	6.502	6.504	-0.002	90	273697	10.7	
62 Nitrobenzene	77	6.545	6.547	-0.002	76	1024405	11.3	
64 Isophorone	82	6.743	6.744	-0.001	93	1878947	11.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
66 2-Nitrophenol	139	6.817	6.819	-0.002	81	289166	11.7	
65 2,4-Dimethylphenol	107	6.828	6.830	-0.002	96	705084	10.1	
71 Benzoic acid	122	6.882	6.889	-0.007	78	728200	23.2	
70 Bis(2-chloroethoxy)methane	93	6.919	6.915	0.004	98	942848	11.1	
73 2,4-Dichlorophenol	162	7.020	7.017	0.003	92	459393	11.5	
74 1,2,4-Trichlorobenzene	180	7.101	7.102	-0.001	73	540081	10.9	
75 Naphthalene	128	7.175	7.177	-0.002	81	1690873	10.9	
76 4-Chloroaniline	127	7.202	7.204	-0.002	78	658560	10.7	
79 Hexachlorobutadiene	225	7.272	7.268	0.004	87	301779	11.2	
84 Caprolactam	113	7.485	7.487	-0.002	82	207806	12.7	
86 4-Chloro-3-methylphenol	107	7.592	7.594	-0.002	79	631746	10.8	
87 2-Methylnaphthalene	142	7.763	7.759	0.004	84	1069979	11.0	
89 Hexachlorocyclopentadiene	237	7.891	7.893	-0.002	85	340568	11.9	
92 2,4,6-Trichlorophenol	196	7.987	7.989	-0.002	85	345636	11.2	
93 2,4,5-Trichlorophenol	196	8.019	8.016	0.003	90	372765	10.9	
98 1,1'-Biphenyl	154	8.148	8.149	-0.001	95	1442922	11.2	
100 2-Chloronaphthalene	162	8.180	8.181	-0.001	93	1098957	11.2	
102 2-Nitroaniline	65	8.249	8.246	0.003	71	520802	11.4	
105 Dimethyl phthalate	163	8.388	8.384	0.004	93	1277892	11.0	
107 2,6-Dinitrotoluene	165	8.441	8.443	-0.002	73	283135	11.7	
109 Acenaphthylene	152	8.532	8.534	-0.002	68	1713965	10.9	
110 3-Nitroaniline	138	8.591	8.593	-0.002	80	290092	11.2	
111 2,4-Dinitrophenol	184	8.676	8.678	-0.002	70	353977	20.9	
112 Acenaphthene	153	8.676	8.678	-0.002	87	1082656	10.9	
113 4-Nitrophenol	109	8.698	8.700	-0.002	83	223052	11.7	
114 2,4-Dinitrotoluene	165	8.789	8.785	0.004	74	379742	11.7	
116 Dibenzofuran	168	8.826	8.822	0.004	85	1536053	10.7	
121 Diethyl phthalate	149	8.976	8.977	-0.001	95	1255517	10.9	
123 4-Chlorophenyl phenyl ether	204	9.099	9.100	-0.001	88	671563	10.9	
125 4-Nitroaniline	138	9.109	9.111	-0.002	77	266974	9.76	
126 Fluorene	166	9.115	9.116	-0.001	70	1257544	10.3	
128 4,6-Dinitro-2-methylphenol	198	9.131	9.132	-0.001	73	241096	10.8	
131 N-Nitrosodiphenylamine	169	9.195	9.191	0.004	92	903611	11.0	
133 Azobenzene	77	9.232	9.234	-0.002	93	2441037	12.2	
139 4-Bromophenyl phenyl ether	248	9.515	9.517	-0.002	66	349204	11.6	
141 Hexachlorobenzene	284	9.585	9.581	0.004	82	343623	11.4	
142 Atrazine	200	9.622	9.624	-0.002	79	194049	7.42	
143 Pentachlorophenol	266	9.740	9.741	-0.001	78	519711	22.7	
148 Phenanthrene	178	9.937	9.939	-0.002	81	2004995	11.3	
149 Anthracene	178	9.980	9.982	-0.002	82	2024057	11.4	
151 Carbazole	167	10.103	10.105	-0.002	61	1772488	11.1	
154 Di-n-butyl phthalate	149	10.354	10.356	-0.002	99	2294133	11.7	
159 Fluoranthene	202	10.958	10.959	-0.001	78	2302388	11.4	
160 Benzidine	184	11.054	11.050	0.004	70	47446	0.9461	
161 Pyrene	202	11.177	11.178	-0.001	73	2309487	10.7	
168 Butyl benzyl phthalate	149	11.786	11.787	-0.001	85	933651	10.8	
175 3,3'-Dichlorobenzidine	252	12.464	12.466	-0.002	72	570939	7.99	
173 Bis(2-ethylhexyl) phthalate	149	12.480	12.482	-0.002	93	1344128	10.5	
177 Benzo[a]anthracene	228	12.523	12.525	-0.002	79	2038561	10.5	
178 Chrysene	228	12.571	12.573	-0.002	81	1927989	10.8	
180 Di-n-octyl phthalate	149	13.420	13.422	-0.002	98	2198975	11.2	
182 Benzo[b]fluoranthene	252	14.077	14.079	-0.002	86	1815220	11.5	

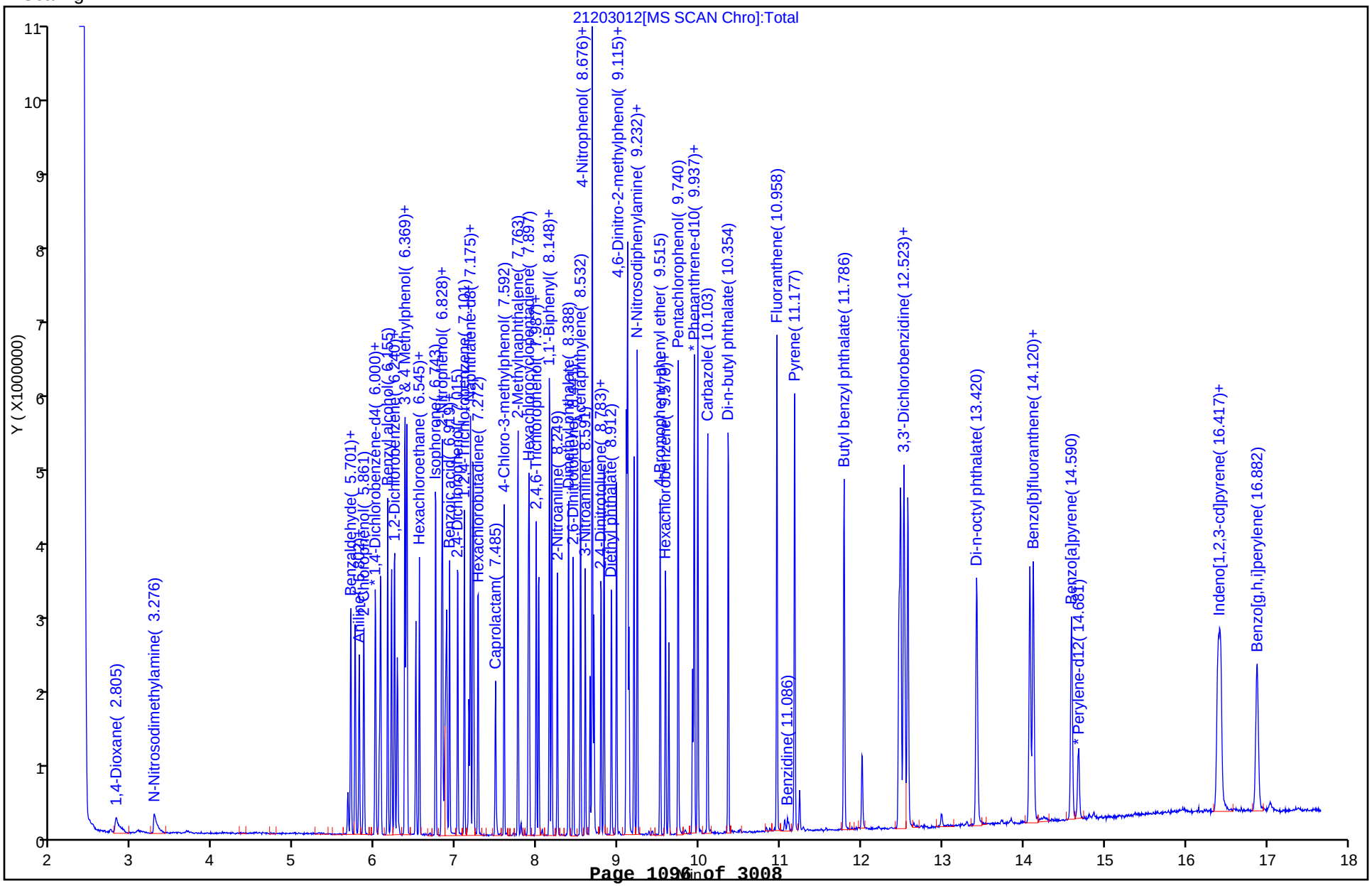
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
183 Benzo[k]fluoranthene	252	14.120	14.122	-0.002	80	1940920	12.0	
184 Benzo[a]pyrene	252	14.590	14.597	-0.007	75	1585356	10.7	
188 Indeno[1,2,3-cd]pyrene	276	16.401	16.403	-0.002	78	1943034	11.9	
189 Dibenz(a,h)anthracene	278	16.428	16.430	-0.002	55	1606401	12.0	
190 Benzo[g,h,i]perylene	276	16.882	16.889	-0.007	79	1616215	11.8	

Report Date: 04-Dec-2012 08:01:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203012.D		
Injection Date:	03-Dec-2012 15:52:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/03/2012 21:21

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.099			0.0896	0.100		
2-Methylnaphthalene	Ave	0.6886			0.0846	0.100		
1,1'-Biphenyl	Ave	1.445			0.0917	0.100		
2-Chloronaphthalene	Ave	1.103			0.0957	0.100		
Acenaphthylene	Ave	1.759			0.0991	0.100		
Acenaphthene	Ave	1.116			0.100	0.100		
Hexachlorobenzene	Ave	0.2035			0.0761	0.100		
Phenanthrene	Ave	1.195			0.101	0.100		
Anthracene	Ave	1.197			0.0953	0.100		
Fluoranthene	Ave	1.364			0.100	0.100		
Pyrene	Ave	1.384			0.107	0.100		
Benzo[a]anthracene	Ave	1.246			0.110	0.100		
Chrysene	Ave	1.142			0.118	0.100		
Benzo[b]fluoranthene	Ave	1.387			0.119	0.100		
Benzo[k]fluoranthene	Ave	1.426			0.111	0.100		
Benzo[a]pyrene	Ave	1.309			0.0928	0.100		
Indeno[1,2,3-cd]pyrene	Ave	1.438			0.0829	0.100		
Dibenz(a,h)anthracene	Ave	1.180			0.0778	0.100		
Benzo[g,h,i]perylene	Ave	1.208			0.0739	0.100		
1,2,4-Trichlorobenzene	Ave	0.3506			0.000800	0.100		
1,2-Dichlorobenzene	Ave	1.526			0.000800	0.100		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346			0.000800	0.100		
1,3-Dichlorobenzene	Ave	1.570			0.000800	0.100		
1,4-Dichlorobenzene	Ave	1.586			0.000800	0.100		
1,4-Dioxane	Ave	0.7764			0.000800	0.100		
2,4,5-Trichlorophenol	Ave	0.3811			0.000800	0.100		
2,4,6-Trichlorophenol	Ave	0.3463			0.000800	0.100		
2,4-Dichlorophenol	Ave	0.2834			0.000800	0.100		
2,4-Dimethylphenol	Ave	0.4935			0.000800	0.100		
2,4-Dinitrophenol	Qua				0.00240	0.200		
2,4-Dinitrotoluene	Ave	0.3626			0.000800	0.100		
2,6-Dinitrotoluene	Ave	0.2702			0.000800	0.100		
2-Chlorophenol	Ave	1.461			0.000800	0.100		
2-Methylphenol	Ave	1.718			0.000800	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/03/2012 21:21

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Ave	0.5134			0.000800	0.100		
2-Nitrophenol	Ave	0.1757			0.000800	0.100		
3 & 4 Methylphenol	Ave	1.828			0.000800	0.100		
3,3'-Dichlorobenzidine	Qua				0.000800	0.100		
3-Nitroaniline	Ave	0.2907			0.000800	0.100		
4,6-Dinitro-2-methylphenol	Qua				0.00240	0.100		
4-Bromophenyl phenyl ether	Ave	0.2017			0.000800	0.100		
4-Chloro-3-methylphenol	Ave	0.4157			0.000800	0.100		
4-Chlorophenyl phenyl ether	Ave	0.6916			0.000800	0.100		
4-Nitroaniline	Ave	0.3061			0.000800	0.100		
4-Nitrophenol	Ave	0.2139			0.00240	0.100		
Acetophenone	Ave	2.653			0.000800	0.100		
Aniline	Ave	3.218			0.00240	0.100		
Atrazine	Ave	0.1759			0.000800	0.100		
Benzaldehyde	Qua				0.000800	0.100		
Benzidine	Qua				0.00240	0.100		
Benzoic acid	Qua				0.0100	0.200		
Benzyl alcohol	Ave	1.204			0.000800	0.100		
Bis(2-chloroethoxy)methane	Ave	0.6014			0.000800	0.100		
Bis(2-chloroethyl)ether	Ave	1.987			0.000100	0.100		
Bis(2-ethylhexyl) phthalate	Ave	0.8220			0.000800	0.100		
Butyl benzyl phthalate	Ave	0.5524			0.000800	0.100		
Caprolactam	Ave	0.1156			0.000800	0.100		
Carbazole	Ave	1.072			0.000800	0.100		
Dibenzofuran	Ave	1.610			0.000100	0.100		
Diethyl phthalate	Ave	1.286			0.000800	0.100		
Dimethyl phthalate	Ave	1.299			0.000800	0.100		
Di-n-butyl phthalate	Ave	1.317			0.000800	0.100		
Di-n-octyl phthalate	Qua				0.000800	0.100		
Fluorene	Ave	1.363			0.000100	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/03/2012 21:21

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.1912			0.000800	0.100		
Hexachlorocyclopentadiene	Ave	0.3216			0.000800	0.100		
Hexachloroethane	Ave	0.7420			0.000800	0.100		
Isophorone	Ave	1.175			0.000800	0.100		
Nitrobenzene	Ave	0.6444			0.000100	0.100		
N-Nitrosodimethylamine	Ave	1.020			0.000800	0.100		
N-Nitrosodi-n-propylamine	Ave	1.801			0.000800	0.100		
N-Nitrosodiphenylamine	Ave	0.5526			0.000800	0.100		
Pentachlorophenol	Qua				0.00240	0.200		
Phenol	Ave	2.575			0.000800	0.100		
Pyridine	Ave	2.082			0.000800	0.100		
Nitrobenzene-d5 (Surr)	Ave	0.6121			0.0924	0.100	92	35-100
2-Fluorobiphenyl (Surr)	Ave	1.328			0.0927	0.100	93	45-105
Terphenyl-d14 (Surr)	Ave	0.8194			0.102	0.100	102	30-125
2,4,6-Tribromophenol (Surr)	Ave	0.1549			0.000000	0.100	0*	35-125
2-Fluorophenol (Surr)	Ave	1.574			0.000000	0.100	0*	35-105
Phenol-d5 (Surr)	Ave	2.273			0.000000	0.100	0*	40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203025.D
Lims ID: mdll1 Client ID:
Inject. Date: 03-Dec-2012 21:21:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015467-025
Misc. Info.: MDLL1 =MDLL1
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 67070 Lims Sample ID: 25
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 11:00:00 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 04-Dec-2012 09:15:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.050	6.050	0.0	87	207444	4.00	
* 2 Naphthalene-d8	136	7.156	7.156	0.0	98	869065	4.00	
* 3 Acenaphthene-d10	164	8.652	8.652	0.0	62	538330	4.00	
* 4 Phenanthrene-d10	188	9.913	9.918	-0.005	73	955227	4.00	
* 5 Chrysene-d12	240	12.536	12.541	-0.005	75	922784	4.00	
* 6 Perylene-d12	264	14.678	14.677	0.001	89	685010	4.00	
$ 7 2-Fluorophenol	112		4.832					9
$ 8 Phenol-d5	99		5.687					
$ 9 Nitrobenzene-d5	82	6.526	6.531	-0.005	68	12295	0.0924	
$ 10 2-Fluorobiphenyl (Surr)	172	8.059	8.059	0.0	76	16575	0.0927	
$ 11 2,4,6-Tribromophenol	330		9.319					9
$ 12 Terphenyl-d14	244	11.285	11.291	-0.006	66	19362	0.1024	
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
13 Octachlorocyclopentene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					9
34 Methyl methanesulfonate	80		2.587					9
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
25 1,4-Dioxane	88		2.807					9
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					
26 N-Nitrosodimethylamine	74		3.272					9
38 2-Methylcyclohexanone	68		3.292					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
39 3-Methylcyclohexanone	69		3.319					
27 Pyridine	79		3.320					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.876					
232 1-Methyl-2-pyrrilidinone	99		3.880					14
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					
29 3-Chloropropionitrile	54		4.218					
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
33 Malononitrile	66		4.627					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					9
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77		5.665					
103 1,4-Naphthoquinone	158		5.680					
43 Phenol	94		5.703					
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
44 Aniline	93		5.751					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
69 Bis(2-chloroethyl)ether	93		5.804					
46 2-Chlorophenol	128		5.858					
47 1,3-Dichlorobenzene	146		6.002					
48 1,4-Dichlorobenzene	146		6.066					
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108		6.157					
117 1-Naphthylamine	143		6.166					
50 1,2-Dichlorobenzene	146		6.199					
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
51 2-Methylphenol	108		6.237					
53 2,2'-oxybis[1-chloropropane]	45		6.274					
122 Thionazin	97		6.305					9
124 N-Nitro-o-toluidine	152		6.358					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108		6.365					
127 Tributyl phosphate	99		6.379					
57 N-Nitrosodi-n-propylamine	70		6.386					
58 Acetophenone	105		6.392					
130 Diphenylamine	169		6.428					
61 Hexachloroethane	117		6.504					9
134 Sulfotepp	202		6.518					
62 Nitrobenzene	77		6.547					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					9
230 Diallate Peak 2	86		6.695					
64 Isophorone	82		6.744					
140 Dimethoate	87		6.764					9
66 2-Nitrophenol	139		6.819					9
65 2,4-Dimethylphenol	107		6.830					
67 1,3,5-Trichlorobenzene	180		6.830					
71 Benzoic acid	122		6.889					
129 4-Aminobiphenyl	169		6.892					
70 Bis(2-chloroethoxy)methane	93		6.915					
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					9
146 Disulfoton	88		7.010					9
73 2,4-Dichlorophenol	162		7.017					
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180		7.102					
75 Naphthalene	128	7.172	7.177	-0.005	37	21376	0.0896	
76 4-Chloroaniline	127		7.204					9
79 Hexachlorobutadiene	225		7.268					9
152 Methyl parathion	109		7.282					9
80 1,2,3-Trichlorobenzene	180		7.295					
84 Caprolactam	113		7.487					9
155 Ethyl Parathion	97		7.560					9
86 4-Chloro-3-methylphenol	107		7.594					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142	7.760	7.759	0.001	67	12652	0.0846	
158 Isodrin	66		7.816					9
88 1-Methylnaphthalene	142	7.845	7.850	-0.005	60	13961	0.0964	
90 1,2,3,5-Tetrachlorobenzene	216		7.888					9
89 Hexachlorocyclopentadiene	237		7.893					
92 2,4,6-Trichlorophenol	196		7.989					9
93 2,4,5-Trichlorophenol	196		8.016					
226 Aramite Peak 1	185		8.131					9
97 2,4-Toluene diamine	121		8.133					
99 1,2,3,4 -Tetrachlorobenzene	216		8.144					9
98 1,1'-Biphenyl	154	8.150	8.149	0.001	69	17829	0.0917	
100 2-Chloronaphthalene	162	8.182	8.181	0.001	75	14204	0.0957	
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65		8.246					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163		8.384					
107 2,6-Dinitrotoluene	165		8.443					9
167 Famphur	218		8.473					
108 1,2-Dinitrobenzene	168		8.497					9
169 3,3'-Dimethylbenzidine	212		8.516					
109 Acenaphthylene	152	8.534	8.534	0.0	72	23455	0.0991	
110 3-Nitroaniline	138		8.593					
111 2,4-Dinitrophenol	184		8.678					
112 Acenaphthene	153	8.679	8.678	0.0	79	15069	0.1004	
113 4-Nitrophenol	109		8.700					9
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165		8.785					9
116 Dibenzofuran	168		8.822					
118 2,3,5,6-Tetrachlorophenol	232		8.881					9
121 Diethyl phthalate	149		8.977					
123 4-Chlorophenyl phenyl ether	204		9.100					
125 4-Nitroaniline	138		9.111					
126 Fluorene	166		9.116					9
128 4,6-Dinitro-2-methylphenol	198		9.132					
131 N-Nitrosodiphenylamine	169		9.191					
176 Hexabromobenzene	232		9.208					
133 Azobenzene	77		9.234					
132 1,2-Diphenylhydrazine	77		9.234					
139 4-Bromophenyl phenyl ether	248		9.517					9
179 6-Methylchrysene	242		9.576					
141 Hexachlorobenzene	284	9.581	9.581	0.0	42	3699	0.0761	
142 Atrazine	200		9.624					9
143 Pentachlorophenol	266		9.741					9
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178	9.934	9.939	-0.005	70	28934	0.1014	
149 Anthracene	178	9.977	9.982	-0.005	86	27240	0.0953	
150 DFTPP								
151 Carbazole	167		10.105					
154 Di-n-butyl phthalate	149		10.356					
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.954	10.959	-0.005	87	32579	0.1000	
160 Benzidine	184		11.050					9
161 Pyrene	202	11.173	11.178	-0.005	72	34178	0.1070	
166 4,4'-DDE	246		11.233					9
165 4,4'-DDD	235		11.580					
187 Dibenz[a,h]acridine	279		11.729					
168 Butyl benzyl phthalate	149		11.787					
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.922					
172 3,3'-Dimethoxybenzidine	244		12.418					9
174 4,4'-Methylene bis(2-chloroanili	231		12.466					9
175 3,3'-Dichlorobenzidine	252		12.466					9
173 Bis(2-ethylhexyl) phthalate	149		12.482					
177 Benzo[a]anthracene	228	12.519	12.525	-0.006	42	31741	0.1105	
178 Chrysene	228	12.568	12.573	-0.005	62	30966	0.1175	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149		13.422					
182 Benzo[b]fluoranthene	252	14.074	14.079	-0.005	69	28174	0.1187	
183 Benzo[k]fluoranthene	252	14.117	14.122	-0.005	55	27072	0.1109	
184 Benzo[a]pyrene	252	14.587	14.597	-0.010	47	20809	0.0928	
188 Indeno[1,2,3-cd]pyrene	276	16.398	16.403	-0.005	0	20423	0.0829	M
189 Dibenz(a,h)anthracene	278	16.425	16.430	-0.005	0	15718	0.0778	M
190 Benzo[g,h,i]perylene	276	16.868	16.889	-0.021	75	15288	0.0739	
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 192 Octadecane (TIC)	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

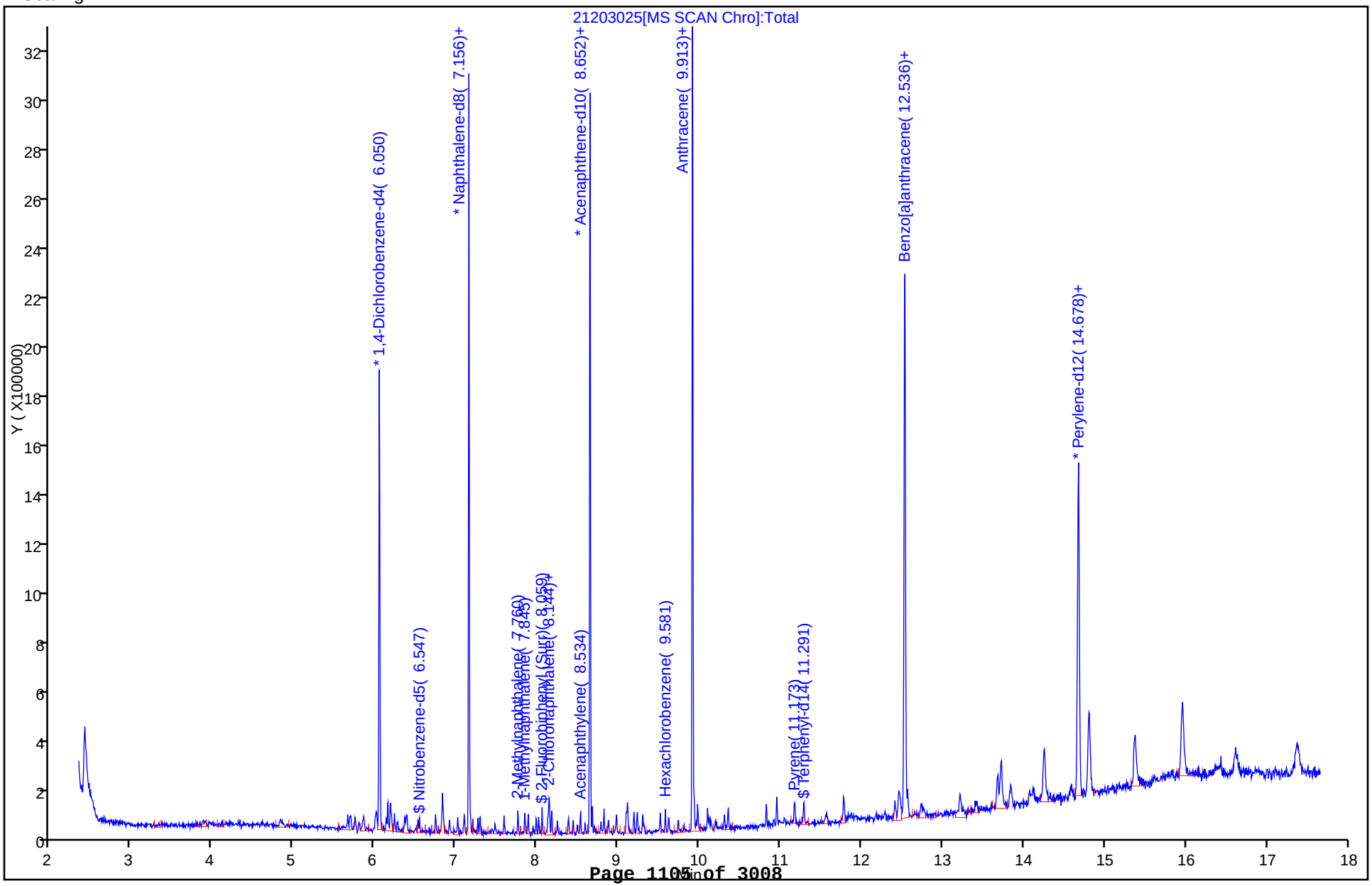
Report Date: 04-Dec-2012 11:00:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203025.D

Injection Date:	03-Dec-2012 21:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	25
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

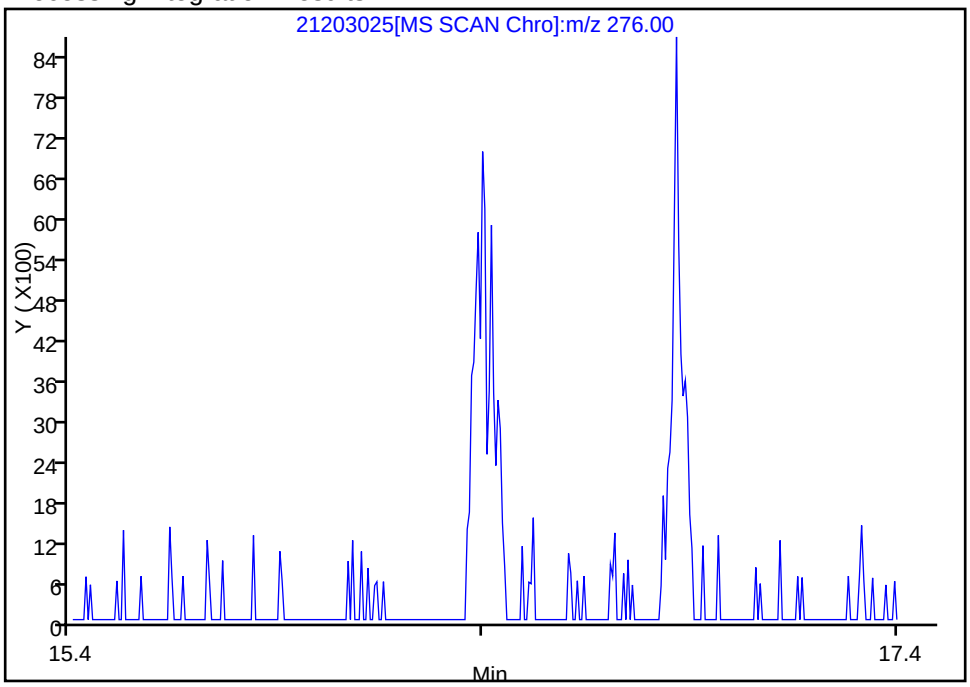
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203025.D		
Injection Date:	03-Dec-2012 21:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	25
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.40

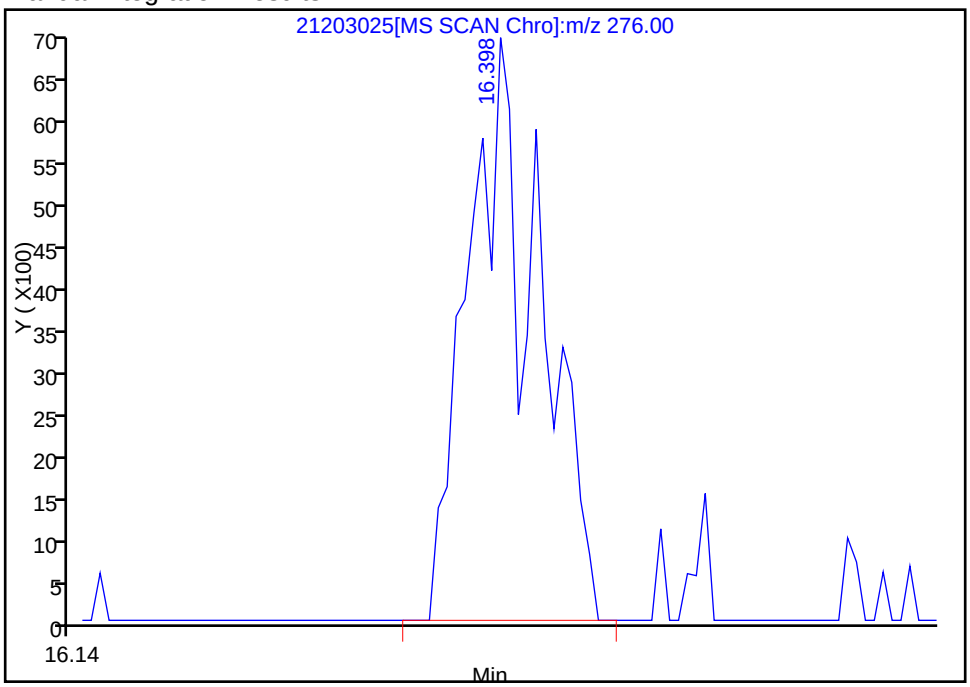
Processing Integration Results

Not Detected
Expected RT: 16.40



Manual Integration Results

RT: 16.40
Response: 20423
Amount: 0.082940



Reviewer: ulmanm, 04-Dec-2012 09:15:45
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

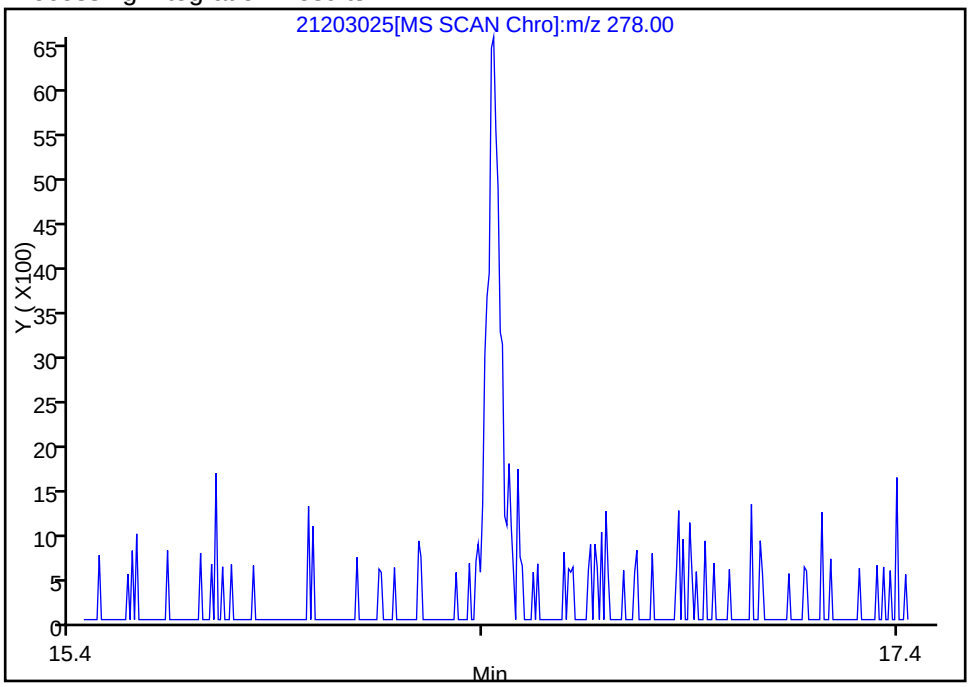
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203025.D		
Injection Date:	03-Dec-2012 21:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	25
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.43

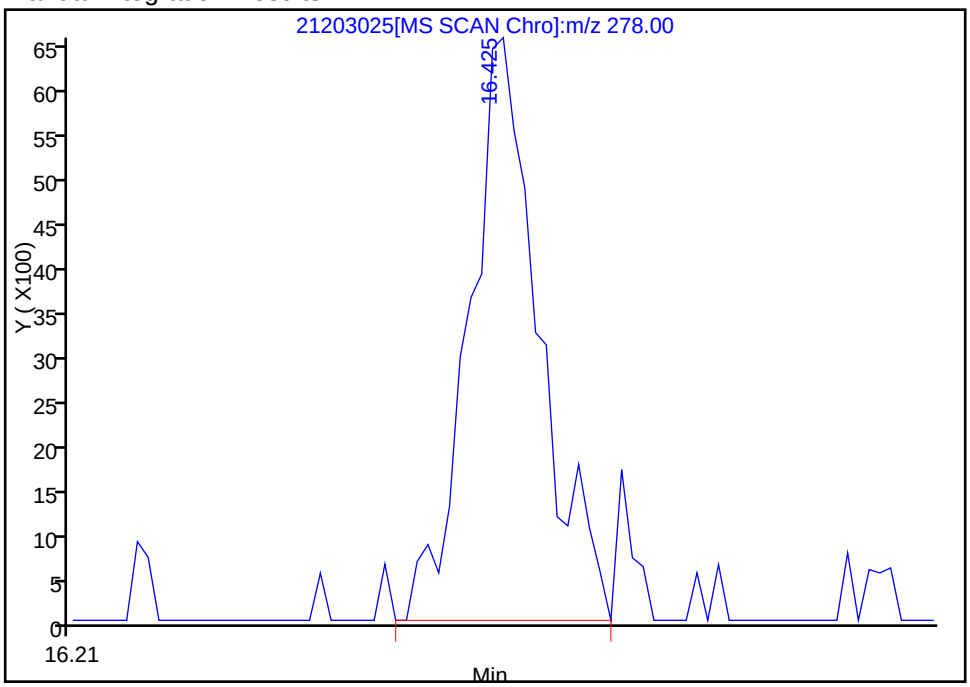
Processing Integration Results

Not Detected
Expected RT: 16.43



Manual Integration Results

RT: 16.42
Response: 15718
Amount: 0.077780



Reviewer: ulmanm, 04-Dec-2012 09:15:45
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/03/2012 21:47

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7764			0.802	0.500		
N-Nitrosodimethylamine	Ave	1.020			0.422	0.500		
Pyridine	Ave	2.082			0.497	0.500		
Benzaldehyde	Qua				0.577	0.500		
Phenol	Ave	2.575			0.460	0.500		
Aniline	Ave	3.218			0.464	0.500		
Bis(2-chloroethyl)ether	Ave	1.987			0.479	0.500		
2-Chlorophenol	Ave	1.461			0.467	0.500		
1,3-Dichlorobenzene	Ave	1.570			0.468	0.500		
1,4-Dichlorobenzene	Ave	1.586			0.520	0.500		
Benzyl alcohol	Ave	1.204			0.500	0.500		
1,2-Dichlorobenzene	Ave	1.526			0.453	0.500		
2-Methylphenol	Ave	1.718			0.498	0.500		
3 & 4 Methylphenol	Ave	1.828			0.452	0.500		
N-Nitrosodi-n-propylamine	Ave	1.801			0.477	0.500		
Acetophenone	Ave	2.653			0.441	0.500		
Hexachloroethane	Ave	0.7420			0.236	0.500		
Nitrobenzene	Ave	0.6444			0.473	0.500		
Isophorone	Ave	1.175			0.431	0.500		
2-Nitrophenol	Ave	0.1757			0.473	0.500		
2,4-Dimethylphenol	Ave	0.4935			0.454	0.500		
Bis(2-chloroethoxy)methane	Ave	0.6014			0.466	0.500		
2,4-Dichlorophenol	Ave	0.2834			0.437	0.500		
1,2,4-Trichlorobenzene	Ave	0.3506			0.450	0.500		
Hexachlorobutadiene	Ave	0.1912			0.443	0.500		
Caprolactam	Ave	0.1156			0.538	0.500		
4-Chloro-3-methylphenol	Ave	0.4157			0.488	0.500		
2-Methylnaphthalene	Ave	0.6886			0.455	0.500		
2,4,6-Trichlorophenol	Ave	0.3463			0.455	0.500		
2,4,5-Trichlorophenol	Ave	0.3811			0.470	0.500		
2-Nitroaniline	Ave	0.5134			0.549	0.500		
Dimethyl phthalate	Ave	1.299			0.477	0.500		
2,6-Dinitrotoluene	Ave	0.2702			0.485	0.500		
3-Nitroaniline	Ave	0.2907			0.463	0.500		
4-Nitrophenol	Ave	0.2139			0.426	0.500		
2,4-Dinitrotoluene	Ave	0.3626			0.359	0.500		
Dibenzofuran	Ave	1.610			0.459	0.500		
Diethyl phthalate	Ave	1.286			0.481	0.500		
4-Chlorophenyl phenyl ether	Ave	0.6916			0.468	0.500		
4-Nitroaniline	Ave	0.3061			0.403	0.500		
N-Nitrosodiphenylamine	Ave	0.5526			0.451	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/03/2012 21:47

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346			0.428	0.500		
4-Bromophenyl phenyl ether	Ave	0.2017			0.443	0.500		
Atrazine	Ave	0.1759			0.504	0.500		
Pentachlorophenol	Qua				1.02	1.00		
Carbazole	Ave	1.072			0.432	0.500		
Di-n-butyl phthalate	Ave	1.317			0.416	0.500		
Benzidine	Qua				0.835	0.500		
Butyl benzyl phthalate	Ave	0.5524			0.374	0.500		
3,3'-Dichlorobenzidine	Qua				0.622	0.500		
Bis(2-ethylhexyl) phthalate	Ave	0.8220			0.419	0.500		
Di-n-octyl phthalate	Qua				0.502	0.500		
1,1'-Biphenyl	Ave	1.445			0.000800	0.500		
2,4-Dinitrophenol	Qua				0.00240	1.00		
2-Chloronaphthalene	Ave	1.103			0.000100	0.500		
4,6-Dinitro-2-methylphenol	Qua				0.00240	0.500		
Acenaphthene	Ave	1.116			0.000100	0.500		
Acenaphthylene	Ave	1.759			0.000100	0.500		
Anthracene	Ave	1.197			0.000100	0.500		
Benzo[a]anthracene	Ave	1.246			0.000100	0.500		
Benzo[a]pyrene	Ave	1.309			0.000100	0.500		
Benzo[b]fluoranthene	Ave	1.387			0.000100	0.500		
Benzo[g,h,i]perylene	Ave	1.208			0.000100	0.500		
Benzo[k]fluoranthene	Ave	1.426			0.000100	0.500		
Benzoic acid	Qua				0.0100	1.00		
Chrysene	Ave	1.142			0.000100	0.500		
Dibenz(a,h)anthracene	Ave	1.180			0.000100	0.500		
Fluoranthene	Ave	1.364			0.000100	0.500		
Fluorene	Ave	1.363			0.000100	0.500		
Hexachlorobenzene	Ave	0.2035			0.000100	0.500		
Hexachlorocyclopentadiene	Ave	0.3216			0.000800	0.500		
Indeno[1,2,3-cd]pyrene	Ave	1.438			0.000100	0.500		
Naphthalene	Ave	1.099			0.000100	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/03/2012 21:47

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenanthrene	Ave	1.195			0.000100	0.500		
Pyrene	Ave	1.384			0.000100	0.500		
2-Fluorophenol (Surr)	Ave	1.574			0.450	0.500	90	35-105
Phenol-d5 (Surr)	Ave	2.273			0.505	0.500	101*	40-100
2,4,6-Tribromophenol (Surr)	Ave	0.1549			0.503	0.500	101	35-125
2-Fluorobiphenyl (Surr)	Ave	1.328			0.000000	0.500	0*	45-105
Nitrobenzene-d5 (Surr)	Ave	0.6121			0.000000	0.500	0*	35-100
Terphenyl-d14 (Surr)	Ave	0.8194			0.000000	0.500	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203026.D
Lims ID: mdll2 Client ID:
Inject. Date: 03-Dec-2012 21:47:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015467-026
Misc. Info.: MDLL2 =MDLL2
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 67070 Lims Sample ID: 26
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 11:00:00 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 04-Dec-2012 09:21:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.053	6.050	0.003	86	209193	4.00	
* 2 Naphthalene-d8	136	7.159	7.156	0.003	98	859994	4.00	
* 3 Acenaphthene-d10	164	8.649	8.652	-0.003	62	530467	4.00	
* 4 Phenanthrene-d10	188	9.915	9.918	-0.003	78	945623	4.00	
* 5 Chrysene-d12	240	12.533	12.541	-0.008	75	937401	4.00	
* 6 Perylene-d12	264	14.675	14.677	-0.002	81	677012	4.00	
$ 7 2-Fluorophenol	112	4.829	4.832	-0.003	72	37055	0.4502	
$ 8 Phenol-d5	99	5.689	5.687	0.002	0	60020	0.5050	
$ 9 Nitrobenzene-d5	82		6.531					
$ 10 2-Fluorobiphenyl (Surr)	172		8.059					
$ 11 2,4,6-Tribromophenol	330	9.317	9.319	-0.002	35	10323	0.5025	
$ 12 Terphenyl-d14	244		11.291					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
13 Octachlorocyclopentene	1		0.000					
31 2-Picoline	93		2.310					
32 N-Nitrosomethylethylamine	88		2.374					9
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
25 1,4-Dioxane	88	2.815	2.807	0.008	82	32576	0.8023	M
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					9
26 N-Nitrosodimethylamine	74	3.312	3.272	0.040	72	22503	0.4218	M
38 2-Methylcyclohexanone	68		3.292					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
39 3-Methylcyclohexanone	69		3.319					
27 Pyridine	79	3.334	3.320	0.014	75	54079	0.4967	M
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					9
28 Ethyl methacrylate	69	3.878	3.876	0.002	68	55471	0.5253	M
232 1-Methyl-2-pyrrilidinone	99		3.880					1
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					9
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					
29 3-Chloropropionitrile	54		4.218					
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
33 Malononitrile	66		4.627					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.663	5.665	-0.002	79	53851	0.5772	
103 1,4-Naphthoquinone	158		5.680					
43 Phenol	94	5.700	5.703	-0.003	87	61963	0.4601	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
44 Aniline	93	5.754	5.751	0.003	80	78124	0.4643	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
69 Bis(2-chloroethyl)ether	93	5.802	5.804	-0.002	78	49780	0.4791	
46 2-Chlorophenol	128	5.860	5.858	0.002	85	35675	0.4670	
47 1,3-Dichlorobenzene	146	5.999	6.002	-0.003	78	38470	0.4684	
48 1,4-Dichlorobenzene	146	6.069	6.066	0.003	63	43133	0.5200	
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108	6.154	6.157	-0.003	77	31510	0.5004	
117 1-Naphthylamine	143		6.166					
50 1,2-Dichlorobenzene	146	6.202	6.199	0.003	80	36203	0.4535	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
51 2-Methylphenol	108	6.240	6.237	0.003	90	44702	0.4977	
53 2,2'-oxybis[1-chloropropane]	45	6.272	6.274	-0.002	93	54550	0.5152	
122 Thionazin	97		6.305					9
124 N-Nitro-o-toluidine	152		6.358					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.368	6.365	0.003	87	43200	0.4519	
127 Tributyl phosphate	99		6.379					
57 N-Nitrosodi-n-propylamine	70	6.384	6.386	-0.002	69	44923	0.4769	
58 Acetophenone	105	6.395	6.392	0.003	83	61156	0.4408	
130 Diphenylamine	169		6.428					
61 Hexachloroethane	117	6.496	6.504	-0.008	70	9143	0.2356	
134 Sulfotepp	202		6.518					9
62 Nitrobenzene	77	6.544	6.547	-0.003	76	65522	0.4729	
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					
230 Diallate Peak 2	86		6.695					9
64 Isophorone	82	6.747	6.744	0.003	93	108826	0.4307	
140 Dimethoate	87		6.764					9
66 2-Nitrophenol	139	6.822	6.819	0.003	80	17854	0.4726	
65 2,4-Dimethylphenol	107	6.827	6.830	-0.003	94	48121	0.4536	
67 1,3,5-Trichlorobenzene	180	6.827	6.830	-0.003	70	36060	0.4652	
71 Benzoic acid	122		6.889					
129 4-Aminobiphenyl	169		6.892					
70 Bis(2-chloroethoxy)methane	93	6.918	6.915	0.003	92	60216	0.4657	
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					
146 Disulfoton	88		7.010					9
73 2,4-Dichlorophenol	162	7.020	7.017	0.003	91	26611	0.4367	
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180	7.100	7.102	-0.002	84	33912	0.4500	
75 Naphthalene	128		7.177					
76 4-Chloroaniline	127	7.201	7.204	-0.003	73	45652	0.4887	
79 Hexachlorobutadiene	225	7.265	7.268	-0.003	70	18204	0.4429	
152 Methyl parathion	109		7.282					9
80 1,2,3-Trichlorobenzene	180		7.295					
84 Caprolactam	113	7.474	7.487	-0.013	68	13379	0.5383	
155 Ethyl Parathion	97		7.560					
86 4-Chloro-3-methylphenol	107	7.591	7.594	-0.003	82	43636	0.4883	
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142	7.762	7.759	0.003	87	67372	0.4550	
158 Isodrin	66		7.816					
88 1-Methylnaphthalene	142	7.848	7.850	-0.002	77	63540	0.4435	
90 1,2,3,5-Tetrachlorobenzene	216	7.890	7.888	0.002	84	33832	0.4571	
89 Hexachlorocyclopentadiene	237		7.893					9
92 2,4,6-Trichlorophenol	196	7.987	7.989	-0.002	74	20903	0.4551	
93 2,4,5-Trichlorophenol	196	8.019	8.016	0.003	82	23755	0.4700	
226 Aramite Peak 1	185		8.131					
97 2,4-Toluene diamine	121	8.131	8.133	-0.002	86	29238	0.6941	
99 1,2,3,4 -Tetrachlorobenzene	216		8.144					
98 1,1'-Biphenyl	154		8.149					
100 2-Chloronaphthalene	162		8.181					
229 Aramite Peak 2	185		8.185					
102 2-Nitroaniline	65	8.248	8.246	0.002	57	37357	0.5487	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163	8.382	8.384	-0.002	90	82189	0.4770	
107 2,6-Dinitrotoluene	165	8.441	8.443	-0.002	78	17390	0.4852	
167 Famphur	218		8.473					
108 1,2-Dinitrobenzene	168	8.494	8.497	-0.003	78	6996	0.3970	
169 3,3'-Dimethylbenzidine	212		8.516					
109 Acenaphthylene	152		8.534					
110 3-Nitroaniline	138	8.590	8.593	-0.003	76	17857	0.4632	
111 2,4-Dinitrophenol	184		8.678					
112 Acenaphthene	153		8.678					
113 4-Nitrophenol	109	8.702	8.700	0.002	74	12076	0.4257	
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165	8.788	8.785	0.003	68	17264	0.3590	
116 Dibenzofuran	168	8.820	8.822	-0.002	86	97901	0.4585	
118 2,3,5,6-Tetrachlorophenol	232	8.879	8.881	-0.002	62	16942	0.4038	
121 Diethyl phthalate	149	8.975	8.977	-0.002	92	82049	0.4810	
123 4-Chlorophenyl phenyl ether	204	9.098	9.100	-0.002	87	42907	0.4678	
125 4-Nitroaniline	138	9.108	9.111	-0.003	74	16367	0.4031	
126 Fluorene	166		9.116					
128 4,6-Dinitro-2-methylphenol	198		9.132					9
131 N-Nitrosodiphenylamine	169	9.194	9.191	0.003	86	58881	0.4507	
176 Hexabromobenzene	232		9.208					
133 Azobenzene	77	9.231	9.234	-0.003	91	136300	0.4285	
132 1,2-Diphenylhydrazine	77	9.231	9.234	-0.003	100	136300	0.4285	
139 4-Bromophenyl phenyl ether	248	9.514	9.517	-0.003	66	21141	0.4433	
179 6-Methylchrysene	242		9.576					
141 Hexachlorobenzene	284		9.581					
142 Atrazine	200	9.621	9.624	-0.003	66	20954	0.5038	
143 Pentachlorophenol	266	9.739	9.741	-0.002	60	20398	1.02	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178		9.939					
149 Anthracene	178		9.982					
150 DFTPP								
151 Carbazole	167	10.102	10.105	-0.003	80	109405	0.4316	
154 Di-n-butyl phthalate	149	10.353	10.356	-0.003	95	129619	0.4163	
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202		10.959					
160 Benzidine	184	11.053	11.050	0.003	77	51693	0.8350	
161 Pyrene	202		11.178					
166 4,4'-DDE	246		11.233					9
165 4,4'-DDD	235		11.580					
187 Dibenz[a,h]acridine	279		11.729					
168 Butyl benzyl phthalate	149	11.785	11.787	-0.002	80	48424	0.3741	
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.922					
172 3,3'-Dimethoxybenzidine	244	12.415	12.418	-0.003	58	27311	0.9247	
174 4,4'-Methylene bis(2-chloroanili	231	12.458	12.466	-0.008	60	23206	0.4436	
175 3,3'-Dichlorobenzidine	252	12.458	12.466	-0.008	57	42602	0.6223	
173 Bis(2-ethylhexyl) phthalate	149	12.479	12.482	-0.003	88	80806	0.4195	
177 Benzo[a]anthracene	228		12.525					
178 Chrysene	228		12.573					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149	13.414	13.422	-0.008	92	117083	0.5021	
182 Benzo[b]fluoranthene	252		14.079					
183 Benzo[k]fluoranthene	252		14.122					
184 Benzo[a]pyrene	252		14.597					
188 Indeno[1,2,3-cd]pyrene	276		16.403					
189 Dibenz(a,h)anthracene	278		16.430					9
190 Benzo[g,h,i]perylene	276		16.889					
S 191 Methyl Phenols,Total	100				0		0.9496	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					
T 192 Octadecane (TIC)	57		0.000					
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 235 4-isopropylphenol TIC	121		4.756					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

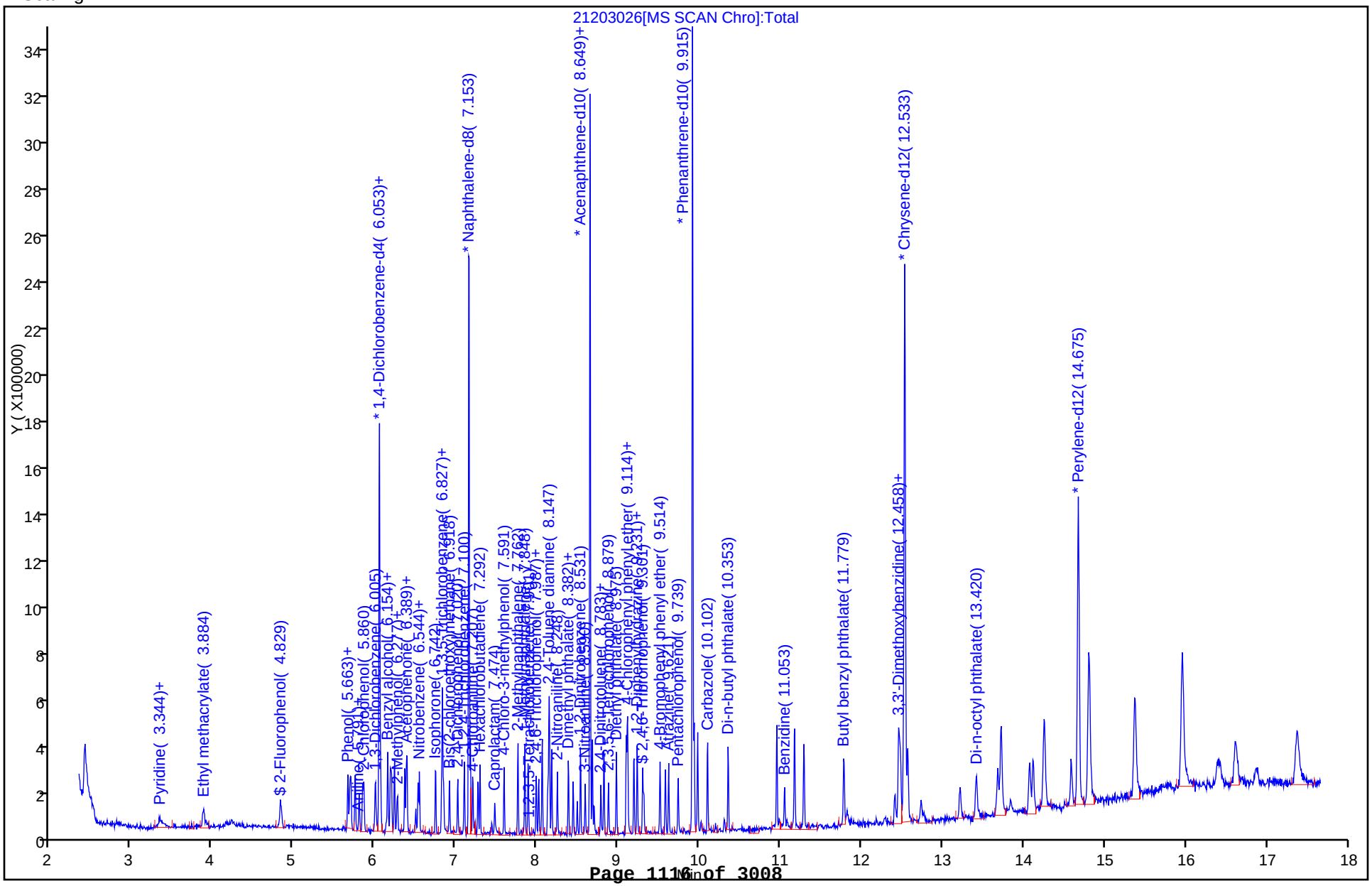
Report Date: 04-Dec-2012 11:00:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203026.D

Injection Date:	03-Dec-2012 21:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	26
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

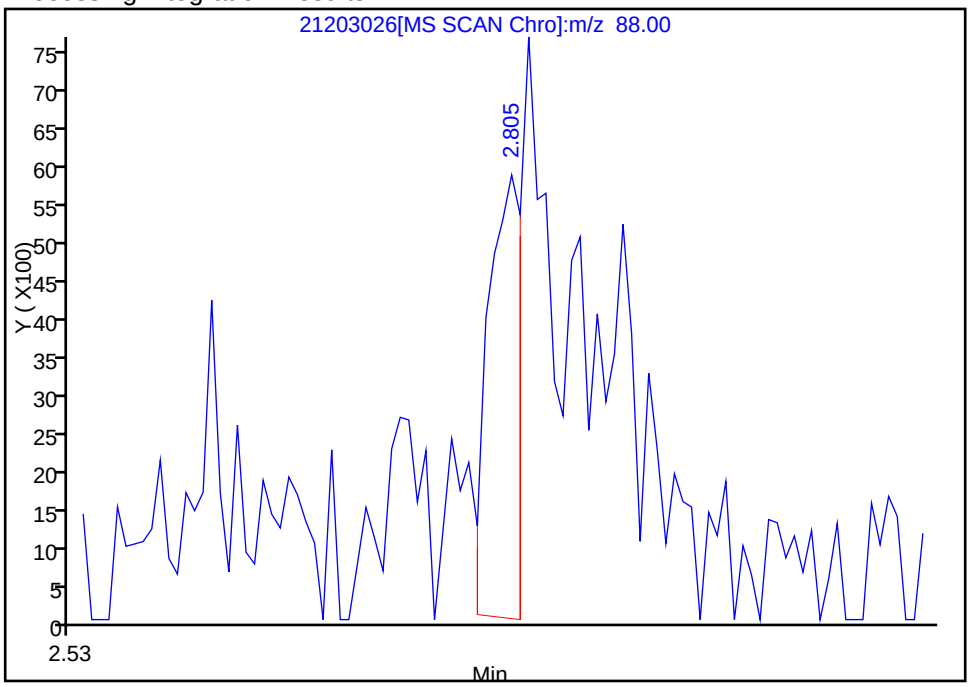
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203026.D		
Injection Date:	03-Dec-2012 21:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	26
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.81

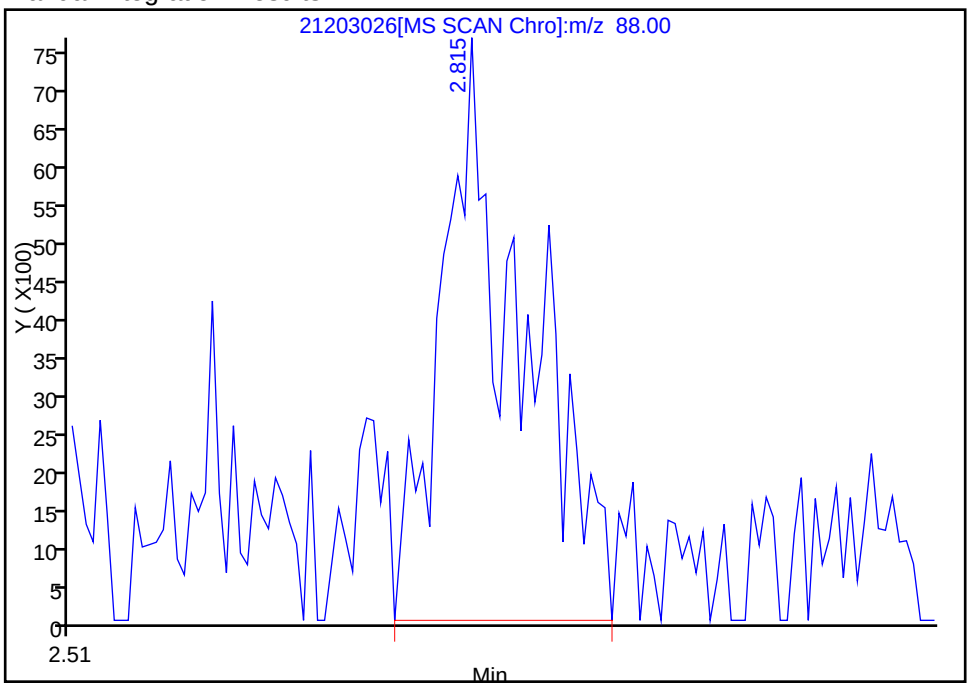
Processing Integration Results

RT: 2.80
Response: 8353
Amount: 0.205724



Manual Integration Results

RT: 2.82
Response: 32576
Amount: 0.802307



Reviewer: ulmanm, 04-Dec-2012 09:21:02
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

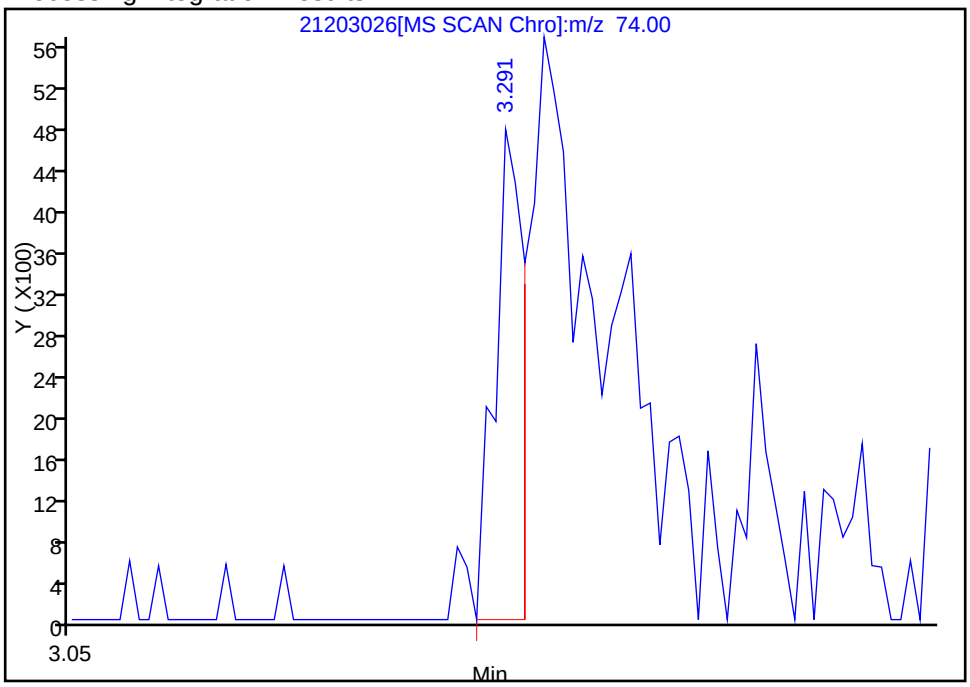
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203026.D		
Injection Date:	03-Dec-2012 21:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	26
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.27

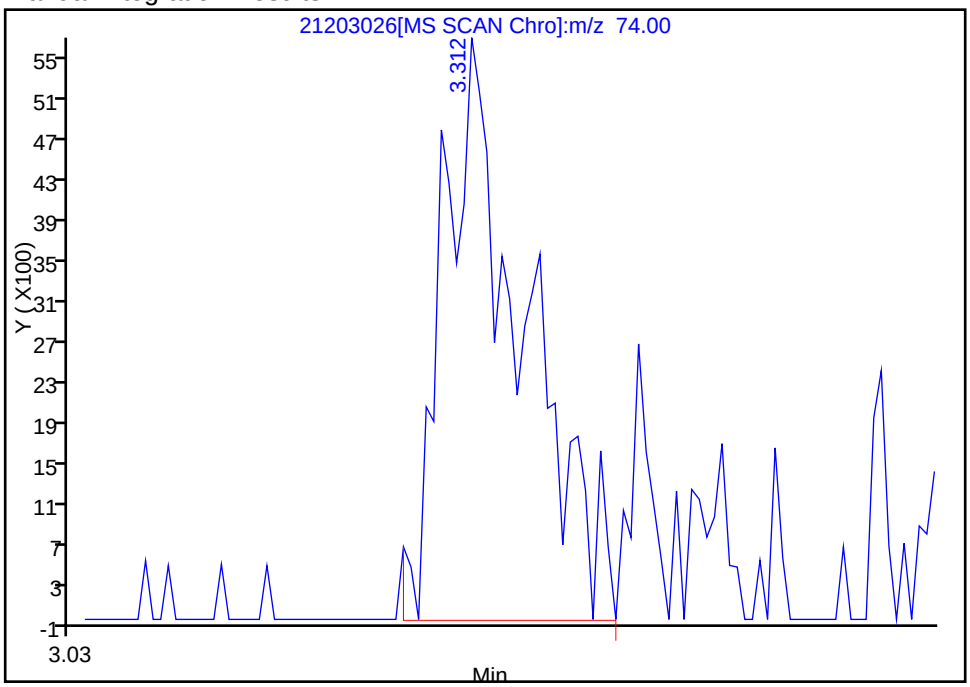
Processing Integration Results

RT: 3.29
Response: 5262
Amount: 0.098623



Manual Integration Results

RT: 3.31
Response: 22503
Amount: 0.421763



Reviewer: ulmanm, 04-Dec-2012 09:21:02
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

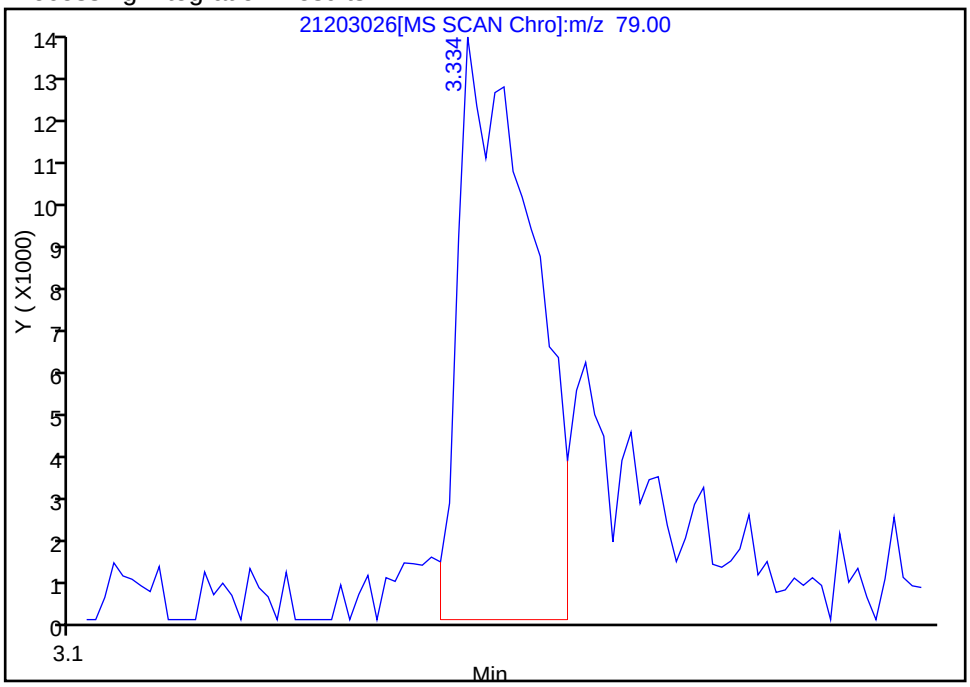
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203026.D		
Injection Date:	03-Dec-2012 21:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	26
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.32

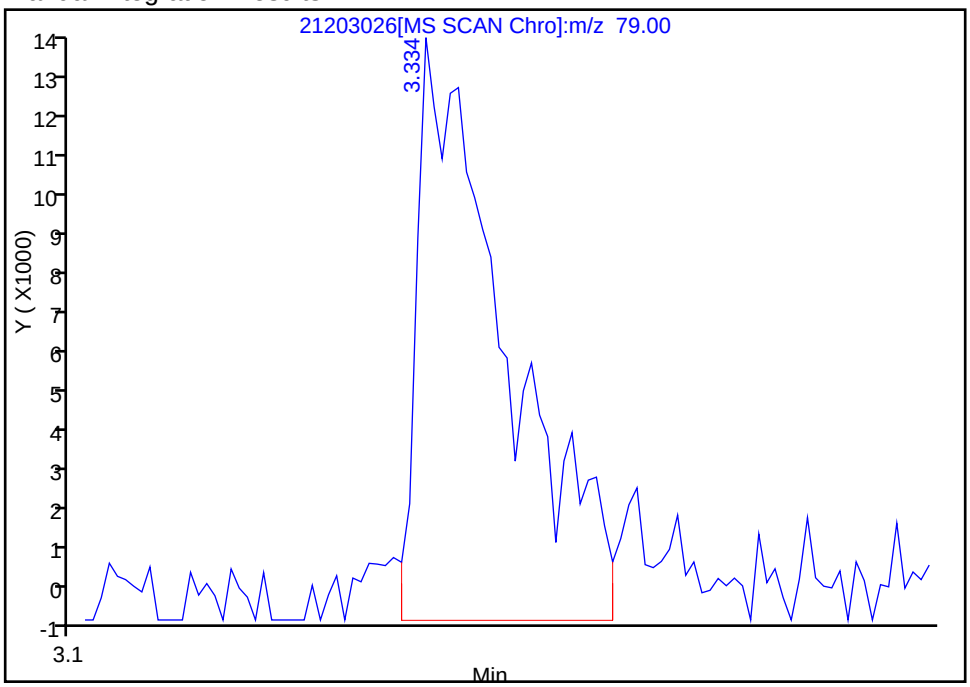
Processing Integration Results

RT: 3.33
Response: 40398
Amount: 0.371055



Manual Integration Results

RT: 3.33
Response: 54079
Amount: 0.496715



Reviewer: ulmanm, 04-Dec-2012 09:21:02
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/03/2012 22:12

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Qua				2.73	2.00		
2,4-Dinitrophenol	Qua				1.63	2.00		
4,6-Dinitro-2-methylphenol	Qua				0.776	1.00		
1,1'-Biphenyl	Ave	1.445			0.000800	1.00		
1,2,4-Trichlorobenzene	Ave	0.3506			0.000800	1.00		
1,2-Dichlorobenzene	Ave	1.526			0.000800	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346			0.000800	1.00		
1,3-Dichlorobenzene	Ave	1.570			0.000800	1.00		
1,4-Dichlorobenzene	Ave	1.586			0.000800	1.00		
1,4-Dioxane	Ave	0.7764			0.000800	1.00		
2,4,5-Trichlorophenol	Ave	0.3811			0.000800	1.00		
2,4,6-Trichlorophenol	Ave	0.3463			0.000800	1.00		
2,4-Dichlorophenol	Ave	0.2834			0.000800	1.00		
2,4-Dimethylphenol	Ave	0.4935			0.000800	1.00		
2,4-Dinitrotoluene	Ave	0.3626			0.000800	1.00		
2,6-Dinitrotoluene	Ave	0.2702			0.000800	1.00		
2-Chloronaphthalene	Ave	1.103			0.000100	1.00		
2-Chlorophenol	Ave	1.461			0.000800	1.00		
2-Methylnaphthalene	Ave	0.6886			0.000100	1.00		
2-Methylphenol	Ave	1.718			0.000800	1.00		
2-Nitroaniline	Ave	0.5134			0.000800	1.00		
2-Nitrophenol	Ave	0.1757			0.000800	1.00		
3 & 4 Methylphenol	Ave	1.828			0.000800	1.00		
3,3'-Dichlorobenzidine	Qua				0.000800	1.00		
3-Nitroaniline	Ave	0.2907			0.000800	1.00		
4-Bromophenyl phenyl ether	Ave	0.2017			0.000800	1.00		
4-Chloro-3-methylphenol	Ave	0.4157			0.000800	1.00		
4-Chlorophenyl phenyl ether	Ave	0.6916			0.000800	1.00		
4-Nitroaniline	Ave	0.3061			0.000800	1.00		
4-Nitrophenol	Ave	0.2139			0.00240	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/03/2012 22:12

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.116			0.000100	1.00		
Acenaphthylene	Ave	1.759			0.000100	1.00		
Acetophenone	Ave	2.653			0.000800	1.00		
Aniline	Ave	3.218			0.00240	1.00		
Anthracene	Ave	1.197			0.000100	1.00		
Atrazine	Ave	0.1759			0.000800	1.00		
Benzaldehyde	Qua				0.000800	1.00		
Benzidine	Qua				0.00240	1.00		
Benzo[a]anthracene	Ave	1.246			0.000100	1.00		
Benzo[a]pyrene	Ave	1.309			0.000100	1.00		
Benzo[b]fluoranthene	Ave	1.387			0.000100	1.00		
Benzo[g,h,i]perylene	Ave	1.208			0.000100	1.00		
Benzo[k]fluoranthene	Ave	1.426			0.000100	1.00		
Benzyl alcohol	Ave	1.204			0.000800	1.00		
Bis(2-chloroethoxy)methane	Ave	0.6014			0.000800	1.00		
Bis(2-chloroethyl)ether	Ave	1.987			0.000100	1.00		
Bis(2-ethylhexyl) phthalate	Ave	0.8220			0.000800	1.00		
Butyl benzyl phthalate	Ave	0.5524			0.000800	1.00		
Caprolactam	Ave	0.1156			0.000800	1.00		
Carbazole	Ave	1.072			0.000800	1.00		
Chrysene	Ave	1.142			0.000100	1.00		
Dibenz(a,h)anthracene	Ave	1.180			0.000100	1.00		
Dibenzofuran	Ave	1.610			0.000100	1.00		
Diethyl phthalate	Ave	1.286			0.000800	1.00		
Dimethyl phthalate	Ave	1.299			0.000800	1.00		
Di-n-butyl phthalate	Ave	1.317			0.000800	1.00		
Di-n-octyl phthalate	Qua				0.000800	1.00		
Fluoranthene	Ave	1.364			0.000100	1.00		
Fluorene	Ave	1.363			0.000100	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/03/2012 22:12

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Ave	0.2035			0.000100	1.00		
Hexachlorobutadiene	Ave	0.1912			0.000800	1.00		
Hexachlorocyclopentadiene	Ave	0.3216			0.000800	1.00		
Hexachloroethane	Ave	0.7420			0.000800	1.00		
Indeno[1,2,3-cd]pyrene	Ave	1.438			0.000100	1.00		
Isophorone	Ave	1.175			0.000800	1.00		
Naphthalene	Ave	1.099			0.000100	1.00		
Nitrobenzene	Ave	0.6444			0.000100	1.00		
N-Nitrosodimethylamine	Ave	1.020			0.000800	1.00		
N-Nitrosodi-n-propylamine	Ave	1.801			0.000800	1.00		
N-Nitrosodiphenylamine	Ave	0.5526			0.000800	1.00		
Pentachlorophenol	Qua				0.00240	2.00		
Phenanthrene	Ave	1.195			0.000100	1.00		
Phenol	Ave	2.575			0.000800	1.00		
Pyrene	Ave	1.384			0.000100	1.00		
Pyridine	Ave	2.082			0.000800	1.00		
2,4,6-Tribromophenol (Surr)	Ave	0.1549			0.000000	1.00	0*	35-125
2-Fluorobiphenyl (Surr)	Ave	1.328			0.000000	1.00	0*	45-105
2-Fluorophenol (Surr)	Ave	1.574			0.000000	1.00	0*	35-105
Nitrobenzene-d5 (Surr)	Ave	0.6121			0.000000	1.00	0*	35-100
Phenol-d5 (Surr)	Ave	2.273			0.000000	1.00	0*	40-100
Terphenyl-d14 (Surr)	Ave	0.8194			0.000000	1.00	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203027.D
Lims ID: mdll3 Client ID:
Inject. Date: 03-Dec-2012 22:12:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015467-027
Misc. Info.: MDLL3 =MDLL3
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 67070 Lims Sample ID: 27
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 11:00:00 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 04-Dec-2012 09:25:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.050	0.001	87	213548	4.00	
* 2 Naphthalene-d8	136	7.157	7.156	0.001	98	921422	4.00	
* 3 Acenaphthene-d10	164	8.652	8.652	0.0	67	589971	4.00	
* 4 Phenanthrene-d10	188	9.913	9.918	-0.005	78	1040733	4.00	
* 5 Chrysene-d12	240	12.536	12.541	-0.005	79	1043646	4.00	
* 6 Perylene-d12	264	14.678	14.677	0.001	78	741905	4.00	
$ 7 2-Fluorophenol	112		4.832					
$ 8 Phenol-d5	99		5.687					
$ 9 Nitrobenzene-d5	82		6.531					
$ 10 2-Fluorobiphenyl (Surr)	172		8.059					
$ 11 2,4,6-Tribromophenol	330		9.319					
$ 12 Terphenyl-d14	244		11.291					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
13 Octachlorocyclopentene	1		0.000					
31 2-Picoline	93		2.310					
32 N-Nitrosomethylethylamine	88		2.374					9
34 Methyl methanesulfonate	80		2.587					9
30 3-Picoline	93		2.651					9
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
25 1,4-Dioxane	88		2.807					
36 N-Nitrosodiethylamine	102		2.897					9
37 Ethyl methanesulfonate	79		3.105					
26 N-Nitrosodimethylamine	74		3.272					
38 2-Methylcyclohexanone	68		3.292					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
39 3-Methylcyclohexanone	69		3.319					
27 Pyridine	79		3.320					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.876					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					9
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
29 3-Chloropropionitrile	54		4.218					
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
33 Malononitrile	66		4.627					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.953					9
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					9
41 Benzaldehyde	77		5.665					
103 1,4-Naphthoquinone	158		5.680					
43 Phenol	94		5.703					
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
44 Aniline	93		5.751					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
69 Bis(2-chloroethyl)ether	93		5.804					
46 2-Chlorophenol	128		5.858					
47 1,3-Dichlorobenzene	146		6.002					
48 1,4-Dichlorobenzene	146		6.066					
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108		6.157					
117 1-Naphthylamine	143		6.166					
50 1,2-Dichlorobenzene	146		6.199					
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
51 2-Methylphenol	108		6.237					
53 2,2'-oxybis[1-chloropropane]	45		6.274					
122 Thionazin	97		6.305					9
124 N-Nitro-o-toluidine	152		6.358					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108		6.365					
127 Tributyl phosphate	99		6.379					
57 N-Nitrosodi-n-propylamine	70		6.386					
58 Acetophenone	105		6.392					
130 Diphenylamine	169		6.428					9
61 Hexachloroethane	117		6.504					
134 Sulfotepp	202		6.518					9
62 Nitrobenzene	77		6.547					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					
230 Diallate Peak 2	86		6.695					
64 Isophorone	82		6.744					
140 Dimethoate	87		6.764					9
66 2-Nitrophenol	139		6.819					
65 2,4-Dimethylphenol	107		6.830					
67 1,3,5-Trichlorobenzene	180		6.830					
71 Benzoic acid	122	6.852	6.889	-0.037	74	62913	2.73	
129 4-Aminobiphenyl	169		6.892					
70 Bis(2-chloroethoxy)methane	93		6.915					
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					
146 Disulfoton	88		7.010					9
73 2,4-Dichlorophenol	162		7.017					
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180		7.102					
75 Naphthalene	128		7.177					
76 4-Chloroaniline	127		7.204					
79 Hexachlorobutadiene	225		7.268					
152 Methyl parathion	109		7.282					9
80 1,2,3-Trichlorobenzene	180		7.295					
84 Caprolactam	113		7.487					
155 Ethyl Parathion	97		7.560					9
86 4-Chloro-3-methylphenol	107		7.594					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142		7.759					
158 Isodrin	66		7.816					9
88 1-Methylnaphthalene	142		7.850					
90 1,2,3,5-Tetrachlorobenzene	216		7.888					
89 Hexachlorocyclopentadiene	237		7.893					
92 2,4,6-Trichlorophenol	196		7.989					
93 2,4,5-Trichlorophenol	196		8.016					
226 Aramite Peak 1	185		8.131					9
97 2,4-Toluene diamine	121		8.133					
99 1,2,3,4 -Tetrachlorobenzene	216		8.144					
98 1,1'-Biphenyl	154		8.149					
100 2-Chloronaphthalene	162		8.181					
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65		8.246					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163		8.384					
107 2,6-Dinitrotoluene	165		8.443					
167 Famphur	218		8.473					
108 1,2-Dinitrobenzene	168		8.497					
169 3,3'-Dimethylbenzidine	212		8.516					
109 Acenaphthylene	152		8.534					
110 3-Nitroaniline	138		8.593					
111 2,4-Dinitrophenol	184	8.674	8.678	-0.004	14	2471	1.63	
112 Acenaphthene	153		8.678					
113 4-Nitrophenol	109		8.700					
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165		8.785					
116 Dibenzofuran	168		8.822					
118 2,3,5,6-Tetrachlorophenol	232		8.881					
121 Diethyl phthalate	149		8.977					
123 4-Chlorophenyl phenyl ether	204		9.100					
125 4-Nitroaniline	138		9.111					
126 Fluorene	166		9.116					
128 4,6-Dinitro-2-methylphenol	198	9.133	9.132	0.001	1	4767	0.7757	
131 N-Nitrosodiphenylamine	169		9.191					
176 Hexabromobenzene	232		9.208					
133 Azobenzene	77		9.234					
132 1,2-Diphenylhydrazine	77		9.234					
139 4-Bromophenyl phenyl ether	248		9.517					
179 6-Methylchrysene	242		9.576					
141 Hexachlorobenzene	284		9.581					
142 Atrazine	200		9.624					
143 Pentachlorophenol	266		9.741					
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178		9.939					
149 Anthracene	178		9.982					
150 DFTPP								
151 Carbazole	167		10.105					
154 Di-n-butyl phthalate	149		10.356					
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202		10.959					
160 Benzidine	184		11.050					
161 Pyrene	202		11.178					
166 4,4'-DDE	246		11.233					9
165 4,4'-DDD	235		11.580					
187 Dibenz[a,h]acridine	279		11.729					
168 Butyl benzyl phthalate	149		11.787					
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.922					9
172 3,3'-Dimethoxybenzidine	244		12.418					
174 4,4'-Methylene bis(2-chloroanili	231		12.466					
175 3,3'-Dichlorobenzidine	252		12.466					
173 Bis(2-ethylhexyl) phthalate	149		12.482					
177 Benzo[a]anthracene	228		12.525					
178 Chrysene	228		12.573					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149		13.422					
182 Benzo[b]fluoranthene	252		14.079					
183 Benzo[k]fluoranthene	252		14.122					
184 Benzo[a]pyrene	252		14.597					
188 Indeno[1,2,3-cd]pyrene	276		16.403					
189 Dibenz(a,h)anthracene	278		16.430					
190 Benzo[g,h,i]perylene	276		16.889					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					
T 192 Octadecane (TIC)	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

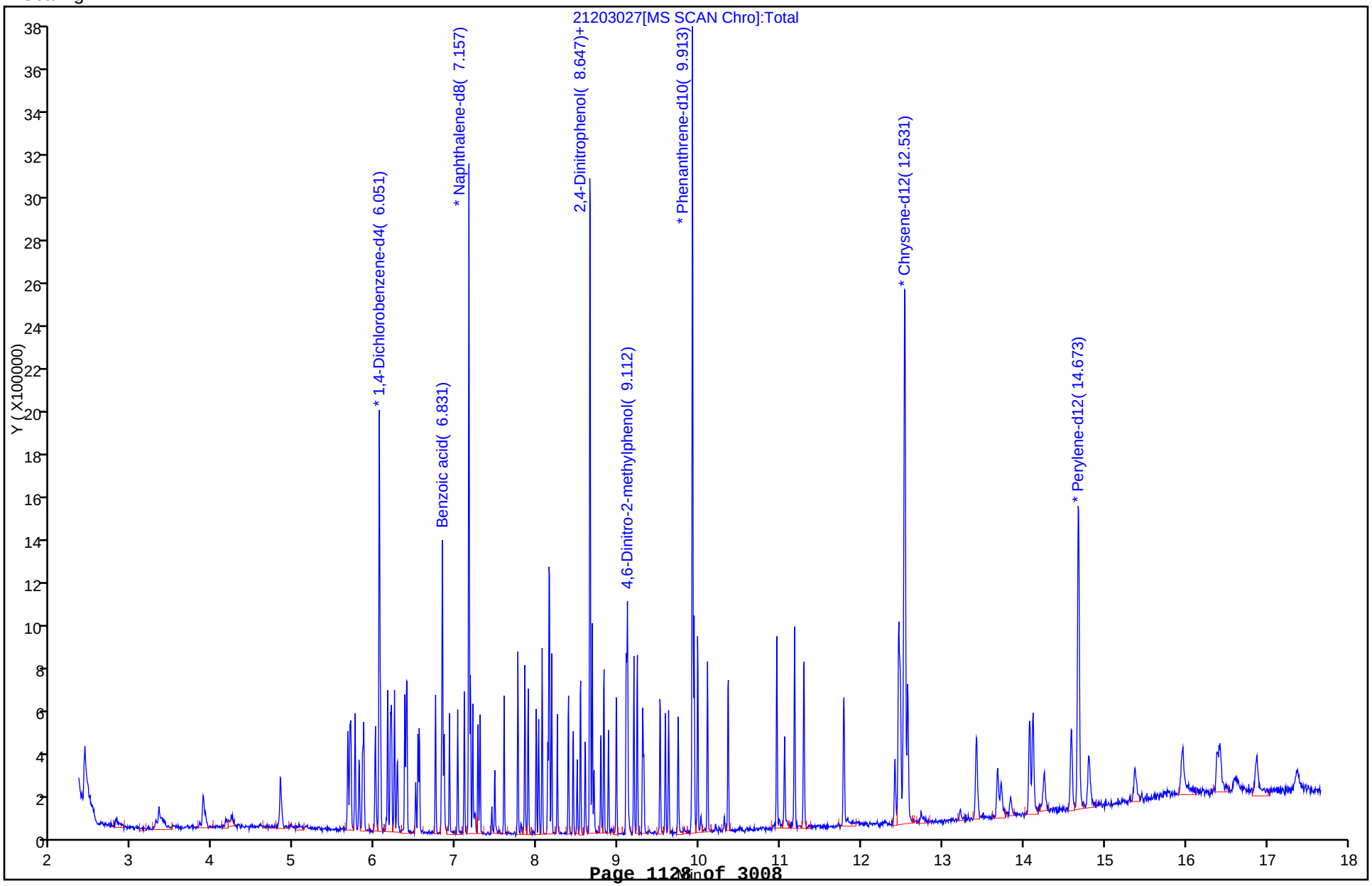
Report Date: 04-Dec-2012 11:00:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203027.D

Injection Date:	03-Dec-2012 22:12:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	27
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 12/03/2012 22:37

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorocyclopentadiene	Ave	0.3216			0.176	2.00		
1,1'-Biphenyl	Ave	1.445			0.000800	2.00		
1,2,4-Trichlorobenzene	Ave	0.3506			0.000800	2.00		
1,2-Dichlorobenzene	Ave	1.526			0.000800	2.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346			0.000800	2.00		
1,3-Dichlorobenzene	Ave	1.570			0.000800	2.00		
1,4-Dichlorobenzene	Ave	1.586			0.000800	2.00		
1,4-Dioxane	Ave	0.7764			0.000800	2.00		
2,4,5-Trichlorophenol	Ave	0.3811			0.000800	2.00		
2,4,6-Trichlorophenol	Ave	0.3463			0.000800	2.00		
2,4-Dichlorophenol	Ave	0.2834			0.000800	2.00		
2,4-Dimethylphenol	Ave	0.4935			0.000800	2.00		
2,4-Dinitrophenol	Qua				0.00240	4.00		
2,4-Dinitrotoluene	Ave	0.3626			0.000800	2.00		
2,6-Dinitrotoluene	Ave	0.2702			0.000800	2.00		
2-Chloronaphthalene	Ave	1.103			0.000100	2.00		
2-Chlorophenol	Ave	1.461			0.000800	2.00		
2-Methylnaphthalene	Ave	0.6886			0.000100	2.00		
2-Methylphenol	Ave	1.718			0.000800	2.00		
2-Nitroaniline	Ave	0.5134			0.000800	2.00		
2-Nitrophenol	Ave	0.1757			0.000800	2.00		
3 & 4 Methylphenol	Ave	1.828			0.000800	2.00		
3,3'-Dichlorobenzidine	Qua				0.000800	2.00		
3-Nitroaniline	Ave	0.2907			0.000800	2.00		
4,6-Dinitro-2-methylphenol	Qua				0.00240	2.00		
4-Bromophenyl phenyl ether	Ave	0.2017			0.000800	2.00		
4-Chloro-3-methylphenol	Ave	0.4157			0.000800	2.00		
4-Chlorophenyl phenyl ether	Ave	0.6916			0.000800	2.00		
4-Nitroaniline	Ave	0.3061			0.000800	2.00		
4-Nitrophenol	Ave	0.2139			0.00240	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 12/03/2012 22:37

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.116			0.000100	2.00		
Acenaphthylene	Ave	1.759			0.000100	2.00		
Acetophenone	Ave	2.653			0.000800	2.00		
Aniline	Ave	3.218			0.00240	2.00		
Anthracene	Ave	1.197			0.000100	2.00		
Atrazine	Ave	0.1759			0.000800	2.00		
Benzaldehyde	Qua				0.000800	2.00		
Benzidine	Qua				0.00240	2.00		
Benzo[a]anthracene	Ave	1.246			0.000100	2.00		
Benzo[a]pyrene	Ave	1.309			0.000100	2.00		
Benzo[b]fluoranthene	Ave	1.387			0.000100	2.00		
Benzo[g,h,i]perylene	Ave	1.208			0.000100	2.00		
Benzo[k]fluoranthene	Ave	1.426			0.000100	2.00		
Benzoic acid	Qua				0.0100	4.00		
Benzyl alcohol	Ave	1.204			0.000800	2.00		
Bis(2-chloroethoxy)methane	Ave	0.6014			0.000800	2.00		
Bis(2-chloroethyl)ether	Ave	1.987			0.000100	2.00		
Bis(2-ethylhexyl) phthalate	Ave	0.8220			0.000800	2.00		
Butyl benzyl phthalate	Ave	0.5524			0.000800	2.00		
Caprolactam	Ave	0.1156			0.000800	2.00		
Carbazole	Ave	1.072			0.000800	2.00		
Chrysene	Ave	1.142			0.000100	2.00		
Dibenz(a,h)anthracene	Ave	1.180			0.000100	2.00		
Dibenzofuran	Ave	1.610			0.000100	2.00		
Diethyl phthalate	Ave	1.286			0.000800	2.00		
Dimethyl phthalate	Ave	1.299			0.000800	2.00		
Di-n-butyl phthalate	Ave	1.317			0.000800	2.00		
Di-n-octyl phthalate	Qua				0.000800	2.00		
Fluoranthene	Ave	1.364			0.000100	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 12/03/2012 22:37

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluorene	Ave	1.363			0.000100	2.00		
Hexachlorobenzene	Ave	0.2035			0.000100	2.00		
Hexachlorobutadiene	Ave	0.1912			0.000080	2.00		
Hexachloroethane	Ave	0.7420			0.000080	2.00		
Indeno[1,2,3-cd]pyrene	Ave	1.438			0.000100	2.00		
Isophorone	Ave	1.175			0.000080	2.00		
Naphthalene	Ave	1.099			0.000100	2.00		
Nitrobenzene	Ave	0.6444			0.000100	2.00		
N-Nitrosodimethylamine	Ave	1.020			0.000080	2.00		
N-Nitrosodi-n-propylamine	Ave	1.801			0.000080	2.00		
N-Nitrosodiphenylamine	Ave	0.5526			0.000080	2.00		
Pentachlorophenol	Qua				0.00240	4.00		
Phenanthrene	Ave	1.195			0.000100	2.00		
Phenol	Ave	2.575			0.000080	2.00		
Pyrene	Ave	1.384			0.000100	2.00		
Pyridine	Ave	2.082			0.000080	2.00		
2,4,6-Tribromophenol (Surr)	Ave	0.1549			0.000000	2.00	0*	35-125
2-Fluorobiphenyl (Surr)	Ave	1.328			0.000000	2.00	0*	45-105
2-Fluorophenol (Surr)	Ave	1.574			0.000000	2.00	0*	35-105
Nitrobenzene-d5 (Surr)	Ave	0.6121			0.000000	2.00	0*	35-100
Phenol-d5 (Surr)	Ave	2.273			0.000000	2.00	0*	40-100
Terphenyl-d14 (Surr)	Ave	0.8194			0.000000	2.00	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203028.D
Lims ID: mdll4 Client ID:
Inject. Date: 03-Dec-2012 22:37:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015467-028
Misc. Info.: MDLL4 =MDLL4
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 28
Lims Batch ID: 67070 Lims Sample ID: 28
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 11:00:00 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 04-Dec-2012 09:28:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.050	0.001	84	182745	4.00	
* 2 Naphthalene-d8	136	7.157	7.156	0.001	98	760921	4.00	
* 3 Acenaphthene-d10	164	8.648	8.652	-0.004	60	476990	4.00	
* 4 Phenanthrene-d10	188	9.914	9.918	-0.004	74	868189	4.00	
* 5 Chrysene-d12	240	12.537	12.541	-0.004	77	847220	4.00	
* 6 Perylene-d12	264	14.673	14.677	-0.004	78	603734	4.00	
$ 7 2-Fluorophenol	112		4.832					
$ 8 Phenol-d5	99		5.687					
$ 9 Nitrobenzene-d5	82		6.531					
$ 10 2-Fluorobiphenyl (Surr)	172		8.059					
$ 11 2,4,6-Tribromophenol	330		9.319					
$ 12 Terphenyl-d14	244		11.291					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
13 Octachlorocyclopentene	1		0.000					
31 2-Picoline	93		2.310					
32 N-Nitrosomethylethylamine	88		2.374					9
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
25 1,4-Dioxane	88		2.807					
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					9
26 N-Nitrosodimethylamine	74		3.272					
38 2-Methylcyclohexanone	68		3.292					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
39 3-Methylcyclohexanone	69		3.319					
27 Pyridine	79		3.320					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.876					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
29 3-Chloropropionitrile	54		4.218					
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
33 Malononitrile	66		4.627					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					9
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77		5.665					
103 1,4-Naphthoquinone	158		5.680					
43 Phenol	94		5.703					
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					9
44 Aniline	93		5.751					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
69 Bis(2-chloroethyl)ether	93		5.804					
46 2-Chlorophenol	128		5.858					
47 1,3-Dichlorobenzene	146		6.002					
48 1,4-Dichlorobenzene	146		6.066					
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108		6.157					
117 1-Naphthylamine	143		6.166					
50 1,2-Dichlorobenzene	146		6.199					
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
51 2-Methylphenol	108		6.237					
53 2,2'-oxybis[1-chloropropane]	45		6.274					
122 Thionazin	97		6.305					9
124 N-Nitro-o-toluidine	152		6.358					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108		6.365					
127 Tributyl phosphate	99		6.379					
57 N-Nitrosodi-n-propylamine	70		6.386					
58 Acetophenone	105		6.392					
130 Diphenylamine	169		6.428					
61 Hexachloroethane	117		6.504					
134 Sulfotepp	202		6.518					
62 Nitrobenzene	77		6.547					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					9
230 Diallate Peak 2	86		6.695					9
64 Isophorone	82		6.744					
140 Dimethoate	87		6.764					9
66 2-Nitrophenol	139		6.819					
65 2,4-Dimethylphenol	107		6.830					
67 1,3,5-Trichlorobenzene	180		6.830					
71 Benzoic acid	122		6.889					
129 4-Aminobiphenyl	169		6.892					
70 Bis(2-chloroethoxy)methane	93		6.915					
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					9
146 Disulfoton	88		7.010					9
73 2,4-Dichlorophenol	162		7.017					
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180		7.102					
75 Naphthalene	128		7.177					
76 4-Chloroaniline	127		7.204					
79 Hexachlorobutadiene	225		7.268					
152 Methyl parathion	109		7.282					9
80 1,2,3-Trichlorobenzene	180		7.295					
84 Caprolactam	113		7.487					
155 Ethyl Parathion	97		7.560					9
86 4-Chloro-3-methylphenol	107		7.594					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					9
87 2-Methylnaphthalene	142		7.759					
158 Isodrin	66		7.816					9
88 1-Methylnaphthalene	142		7.850					
90 1,2,3,5-Tetrachlorobenzene	216		7.888					
89 Hexachlorocyclopentadiene	237	7.889	7.893	-0.004	31	6747	0.1760	
92 2,4,6-Trichlorophenol	196		7.989					
93 2,4,5-Trichlorophenol	196		8.016					
226 Aramite Peak 1	185		8.131					9
97 2,4-Toluene diamine	121		8.133					
99 1,2,3,4 -Tetrachlorobenzene	216		8.144					
98 1,1'-Biphenyl	154		8.149					
100 2-Chloronaphthalene	162		8.181					
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65		8.246					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163		8.384					
107 2,6-Dinitrotoluene	165		8.443					
167 Famphur	218		8.473					
108 1,2-Dinitrobenzene	168		8.497					
169 3,3'-Dimethylbenzidine	212		8.516					
109 Acenaphthylene	152		8.534					
110 3-Nitroaniline	138		8.593					
111 2,4-Dinitrophenol	184		8.678					
112 Acenaphthene	153		8.678					
113 4-Nitrophenol	109		8.700					
171 2-Acetylaminofluorene	181		8.713					9
114 2,4-Dinitrotoluene	165		8.785					
116 Dibenzofuran	168		8.822					
118 2,3,5,6-Tetrachlorophenol	232		8.881					
121 Diethyl phthalate	149		8.977					
123 4-Chlorophenyl phenyl ether	204		9.100					
125 4-Nitroaniline	138		9.111					
126 Fluorene	166		9.116					
128 4,6-Dinitro-2-methylphenol	198		9.132					9
131 N-Nitrosodiphenylamine	169		9.191					
176 Hexabromobenzene	232		9.208					
133 Azobenzene	77		9.234					
132 1,2-Diphenylhydrazine	77		9.234					
139 4-Bromophenyl phenyl ether	248		9.517					
179 6-Methylchrysene	242		9.576					
141 Hexachlorobenzene	284		9.581					
142 Atrazine	200		9.624					
143 Pentachlorophenol	266		9.741					
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178		9.939					
149 Anthracene	178		9.982					
150 DFTPP								
151 Carbazole	167		10.105					
154 Di-n-butyl phthalate	149		10.356					
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202		10.959					
160 Benzidine	184		11.050					
161 Pyrene	202		11.178					
166 4,4'-DDE	246		11.233					9
165 4,4'-DDD	235		11.580					
187 Dibenz[a,h]acridine	279		11.729					
168 Butyl benzyl phthalate	149		11.787					
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.922					
172 3,3'-Dimethoxybenzidine	244		12.418					
174 4,4'-Methylene bis(2-chloroanili	231		12.466					
175 3,3'-Dichlorobenzidine	252		12.466					
173 Bis(2-ethylhexyl) phthalate	149		12.482					
177 Benzo[a]anthracene	228		12.525					
178 Chrysene	228		12.573					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149		13.422					
182 Benzo[b]fluoranthene	252		14.079					
183 Benzo[k]fluoranthene	252		14.122					
184 Benzo[a]pyrene	252		14.597					
188 Indeno[1,2,3-cd]pyrene	276		16.403					
189 Dibenz(a,h)anthracene	278		16.430					
190 Benzo[g,h,i]perylene	276		16.889					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					
T 192 Octadecane (TIC)	57		0.000					
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					2
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

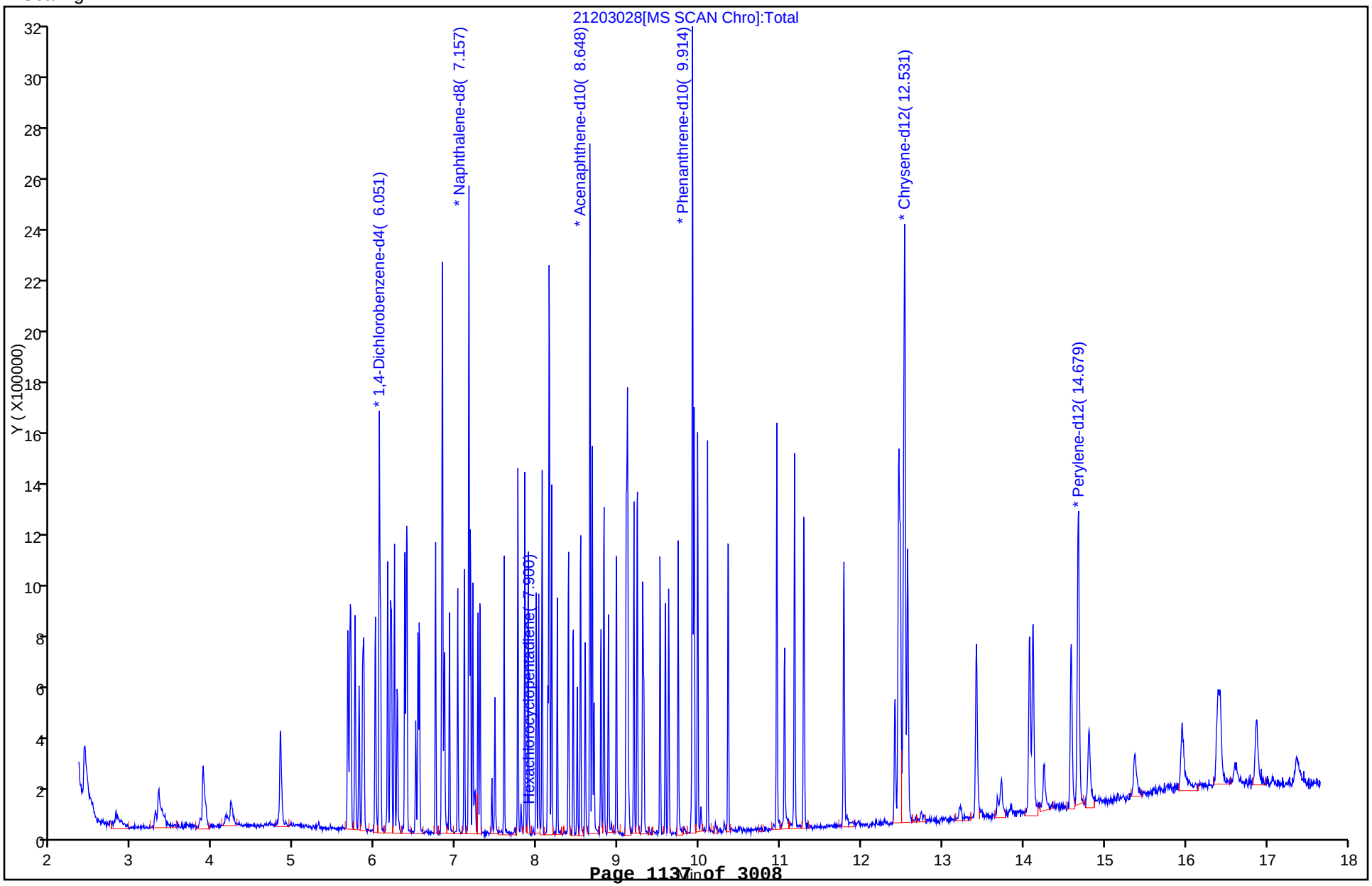
Report Date: 04-Dec-2012 11:00:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203028.D

Injection Date:	03-Dec-2012 22:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	28
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-67729/2 Calibration Date: 12/07/2012 13:16

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7764	0.7054		9.09	10.0	-9.1	
N-Nitrosodimethylamine	Ave	1.020	1.191		11.7	10.0	16.7	
Pyridine	Ave	2.082	1.977		9.50	10.0	-5.0	
Benzaldehyde	Qua		1.716		9.20	10.0	-8.0	
Phenol	Ave	2.575	2.590		10.1	10.0	0.6	
Aniline	Ave	3.218	3.213		9.98	10.0	-0.2	
Bis(2-chloroethyl)ether	Ave	1.987	1.923		9.68	10.0	-3.2	
2-Chlorophenol	Ave	1.461	1.460		10.0	10.0	-0.0	
1,3-Dichlorobenzene	Ave	1.570	1.511		9.62	10.0	-3.8	
1,4-Dichlorobenzene	Ave	1.586	1.500		9.46	10.0	-5.4	
Benzyl alcohol	Ave	1.204	1.192		9.90	10.0	-1.0	
1,2-Dichlorobenzene	Ave	1.526	1.497		9.81	10.0	-1.9	
2-Methylphenol	Ave	1.718	1.740		10.1	10.0	1.3	
3 & 4 Methylphenol	Ave	1.828	1.888		10.3	10.0	3.3	
N-Nitrosodi-n-propylamine	Ave	1.801	1.707		9.48	10.0	-5.2	
Acetophenone	Ave	2.653	2.513		9.47	10.0	-5.3	
Hexachloroethane	Ave	0.7420	0.6754		9.10	10.0	-9.0	
Nitrobenzene	Ave	0.6444	0.6000		9.31	10.0	-6.9	
Isophorone	Ave	1.175	1.103		9.38	10.0	-6.2	
2-Nitrophenol	Ave	0.1757	0.1801		10.3	10.0	2.5	
2,4-Dimethylphenol	Ave	0.4935	0.4590		9.30	10.0	-7.0	
Benzoic acid	Qua		0.1921		17.9	20.0	-10.3	
Bis(2-chloroethoxy)methane	Ave	0.6014	0.5808		9.66	10.0	-3.4	
2,4-Dichlorophenol	Ave	0.2834	0.2870		10.1	10.0	1.2	
1,2,4-Trichlorobenzene	Ave	0.3506	0.3479		9.92	10.0	-0.8	
Naphthalene	Ave	1.099	1.061		9.66	10.0	-3.4	
Hexachlorobutadiene	Ave	0.1912	0.1810		9.47	10.0	-5.3	
Caprolactam	Ave	0.1156	0.1359		11.8	10.0	17.5	
4-Chloro-3-methylphenol	Ave	0.4157	0.3926		9.44	10.0	-5.6	
2-Methylnaphthalene	Ave	0.6886	0.6832		9.92	10.0	-0.8	
Hexachlorocyclopentadiene	Ave	0.3216	0.2982		9.27	10.0	-7.3	
2,4,6-Trichlorophenol	Ave	0.3463	0.3399		9.81	10.0	-1.9	
2,4,5-Trichlorophenol	Ave	0.3811	0.3687		9.68	10.0	-3.2	
1,1'-Biphenyl	Ave	1.445	1.407		9.74	10.0	-2.6	
2-Chloronaphthalene	Ave	1.103	1.068		9.68	10.0	-3.2	
2-Nitroaniline	Ave	0.5134	0.4939		9.62	10.0	-3.8	
Dimethyl phthalate	Ave	1.299	1.214		9.34	10.0	-6.6	
2,6-Dinitrotoluene	Ave	0.2702	0.2791		10.3	10.0	3.3	
Acenaphthylene	Ave	1.759	1.732		9.84	10.0	-1.6	
3-Nitroaniline	Ave	0.2907	0.2990		10.3	10.0	2.8	
Acenaphthene	Ave	1.116	1.070		9.59	10.0	-4.1	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-67729/2 Calibration Date: 12/07/2012 13:16

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua		0.1699		18.2	20.0	-8.8	
4-Nitrophenol	Ave	0.2139	0.1921		8.98	10.0	-10.2	
2,4-Dinitrotoluene	Ave	0.3626	0.3776		10.4	10.0	4.1	
Dibenzofuran	Ave	1.610	1.556		9.66	10.0	-3.4	
Diethyl phthalate	Ave	1.286	1.172		9.11	10.0	-8.9	
4-Chlorophenyl phenyl ether	Ave	0.6916	0.6681		9.66	10.0	-3.4	
4-Nitroaniline	Ave	0.3061	0.3244		10.6	10.0	6.0	
Fluorene	Ave	1.363	1.309		9.60	10.0	-4.0	
4,6-Dinitro-2-methylphenol	Qua		0.1450		9.70	10.0	-3.0	
N-Nitrosodiphenylamine	Ave	0.5526	0.5578		10.1	10.0	0.9	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346	1.288		9.57	10.0	-4.3	
4-Bromophenyl phenyl ether	Ave	0.2017	0.2125		10.5	10.0	5.3	
Hexachlorobenzene	Ave	0.2035	0.2143		10.5	10.0	5.3	
Atrazine	Ave	0.1759	0.1827		10.4	10.0	3.8	
Pentachlorophenol	Qua		0.1402		18.4	20.0	-7.8	
Phenanthrene	Ave	1.195	1.172		9.80	10.0	-2.0	
Anthracene	Ave	1.197	1.222		10.2	10.0	2.1	
Carbazole	Ave	1.072	1.047		9.77	10.0	-2.3	
Di-n-butyl phthalate	Ave	1.317	1.234		9.37	10.0	-6.3	
Fluoranthene	Ave	1.364	1.328		9.74	10.0	-2.6	
Benzidine	Qua		0.7101		9.51	10.0	-4.9	
Pyrene	Ave	1.384	1.387		10.0	10.0	0.2	
Butyl benzyl phthalate	Ave	0.5524	0.5185		9.39	10.0	-6.1	
3,3'-Dichlorobenzidine	Qua		0.4570		9.86	10.0	-1.4	
Bis(2-ethylhexyl) phthalate	Ave	0.8220	0.7398		9.00	10.0	-10.0	
Benzo[a]anthracene	Ave	1.246	1.191		9.56	10.0	-4.4	
Chrysene	Ave	1.142	1.129		9.89	10.0	-1.1	
Di-n-octyl phthalate	Qua		1.417		8.49	10.0	-15.1	
Benzo[b]fluoranthene	Ave	1.387	1.321		9.53	10.0	-4.7	
Benzo[k]fluoranthene	Ave	1.426	1.362		9.55	10.0	-4.5	
Benzo[a]pyrene	Ave	1.309	1.252		9.56	10.0	-4.4	
Indeno[1,2,3-cd]pyrene	Ave	1.438	1.401		9.74	10.0	-2.6	
Dibenz(a,h)anthracene	Ave	1.180	1.161		9.84	10.0	-1.6	
Benzo[g,h,i]perylene	Ave	1.208	1.191		9.87	10.0	-1.3	
2-Fluorophenol (Surr)	Ave	1.574	1.578		10.0	10.0	0.3	
Phenol-d5 (Surr)	Ave	2.273	2.323		10.2	10.0	2.2	
Nitrobenzene-d5 (Surr)	Ave	0.6121	0.5693		9.30	10.0	-7.0	
2-Fluorobiphenyl (Surr)	Ave	1.328	1.239		9.33	10.0	-6.7	
2,4,6-Tribromophenol (Surr)	Ave	0.1549	0.1676		10.8	10.0	8.2	
Terphenyl-d14 (Surr)	Ave	0.8194	0.7687		9.38	10.0	-6.2	

Report Date: 08-Dec-2012 11:37:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207002.D
Lims ID: ccv tcl Client ID:
Inject. Date: 07-Dec-2012 13:16:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0015623-002
Misc. Info.: CCV TCL =CCV TCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 67729 Lims Sample ID: 2
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 11:37:47 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 07-Dec-2012 13:56:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.949	5.949	0.0	81	186473	4.00	
* 2 Naphthalene-d8	136	7.066	7.066	0.0	98	768676	4.00	
* 3 Acenaphthene-d10	164	8.561	8.561	0.0	63	487864	4.00	
* 4 Phenanthrene-d10	188	9.817	9.817	0.0	76	841048	4.00	
* 5 Chrysene-d12	240	12.381	12.381	0.0	71	850116	4.00	
* 6 Perylene-d12	264	14.470	14.470	0.0	72	734023	4.00	
$ 7 2-Fluorophenol	112	4.688	4.688	0.0	94	735566	10.0	
$ 8 Phenol-d5	99	5.591	5.591	0.0	0	1083114	10.2	
$ 9 Nitrobenzene-d5	82	6.435	6.435	0.0	82	1093936	9.30	
$ 10 2-Fluorobiphenyl (Surr)	172	7.974	7.974	0.0	95	1511380	9.33	
$ 11 2,4,6-Tribromophenol	330	9.224	9.224	0.0	86	204401	10.8	
$ 12 Terphenyl-d14	244	11.174	11.174	0.0	94	1633705	9.38	
25 1,4-Dioxane	88	2.418	2.418	0.0	75	328861	9.09	
26 N-Nitrosodimethylamine	74	2.899	2.899	0.0	75	555230	11.7	
27 Pyridine	79	2.947	2.947	0.0	76	921706	9.50	
28 Ethyl methacrylate	69	3.631	3.631	0.0	77	866707	9.21	
29 3-Chloropropionitrile	54	4.021	4.021	0.0	83	389718	11.3	
33 Malononitrile	66		4.416					
41 Benzaldehyde	77	5.548	5.548	0.0	83	799859	9.20	
43 Phenol	94	5.602	5.602	0.0	96	1207251	10.1	
44 Aniline	93	5.645	5.645	0.0	83	1497694	9.98	
69 Bis(2-chloroethyl)ether	93	5.698	5.698	0.0	89	896656	9.68	
46 2-Chlorophenol	128	5.751	5.751	0.0	91	680787	10.0	
47 1,3-Dichlorobenzene	146	5.896	5.896	0.0	79	704518	9.62	
48 1,4-Dichlorobenzene	146	5.965	5.965	0.0	84	699329	9.46	
49 Benzyl alcohol	108	6.056	6.056	0.0	84	555890	9.90	
50 1,2-Dichlorobenzene	146	6.099	6.099	0.0	77	698097	9.81	
51 2-Methylphenol	108	6.147	6.147	0.0	95	810994	10.1	
53 2,2'-oxybis[1-chloropropane]	45	6.179	6.179	0.0	94	925346	9.80	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.280	6.280	0.0	92	879933	10.3	
57 N-Nitrosodi-n-propylamine	70	6.291	6.291	0.0	69	795869	9.48	
58 Acetophenone	105	6.296	6.296	0.0	83	1171484	9.47	
61 Hexachloroethane	117	6.403	6.403	0.0	90	314848	9.10	
62 Nitrobenzene	77	6.451	6.451	0.0	72	1153076	9.31	
64 Isophorone	82	6.654	6.654	0.0	93	2118886	9.38	
66 2-Nitrophenol	139	6.729	6.729	0.0	89	346160	10.3	
67 1,3,5-Trichlorobenzene	180	6.740	6.740	0.0	86	653650	9.43	
65 2,4-Dimethylphenol	107	6.745	6.745	0.0	97	882117	9.30	
71 Benzoic acid	122	6.814	6.814	0.0	82	738271	17.9	M
70 Bis(2-chloroethoxy)methane	93	6.831	6.831	0.0	93	1116135	9.66	
73 2,4-Dichlorophenol	162	6.932	6.932	0.0	91	551487	10.1	
74 1,2,4-Trichlorobenzene	180	7.012	7.012	0.0	79	668577	9.92	
75 Naphthalene	128	7.087	7.087	0.0	79	2039116	9.66	
76 4-Chloroaniline	127	7.114	7.114	0.0	80	869550	10.4	
79 Hexachlorobutadiene	225	7.183	7.183	0.0	85	347854	9.47	
80 1,2,3-Trichlorobenzene	180	7.204	7.204	0.0	80	614944	0	
84 Caprolactam	113	7.402	7.402	0.0	80	261074	11.8	
86 4-Chloro-3-methylphenol	107	7.509	7.509	0.0	79	754484	9.44	
87 2-Methylnaphthalene	142	7.675	7.675	0.0	86	1312974	9.92	
88 1-Methylnaphthalene	142	7.760	7.760	0.0	80	1284227	10.0	
90 1,2,3,5-Tetrachlorobenzene	216	7.803	7.803	0.0	86	673869	9.90	
89 Hexachlorocyclopentadiene	237	7.803	7.803	0.0	73	363660	9.27	
92 2,4,6-Trichlorophenol	196	7.899	7.899	0.0	86	414547	9.81	
93 2,4,5-Trichlorophenol	196	7.931	7.931	0.0	90	449722	9.68	
97 2,4-Toluene diamine	121	8.043	8.043	0.0	97	419699	11.1	
99 1,2,3,4 -Tetrachlorobenzene	216	8.054	8.054	0.0	85	648470	0	
98 1,1'-Biphenyl	154	8.065	8.065	0.0	91	1715833	9.74	
100 2-Chloronaphthalene	162	8.091	8.091	0.0	91	1302010	9.68	
102 2-Nitroaniline	65	8.161	8.161	0.0	71	602381	9.62	
105 Dimethyl phthalate	163	8.300	8.300	0.0	94	1480507	9.34	
107 2,6-Dinitrotoluene	165	8.358	8.358	0.0	78	340413	10.3	
108 1,2-Dinitrobenzene	168	8.406	8.406	0.0	82	169991	10.5	
109 Acenaphthylene	152	8.444	8.444	0.0	86	2112131	9.84	
110 3-Nitroaniline	138	8.503	8.503	0.0	81	364632	10.3	
112 Acenaphthene	153	8.588	8.588	0.0	86	1304787	9.59	
111 2,4-Dinitrophenol	184	8.593	8.593	0.0	63	414330	18.2	
113 4-Nitrophenol	109	8.620	8.620	0.0	85	234312	8.98	
114 2,4-Dinitrotoluene	165	8.700	8.700	0.0	82	460498	10.4	
116 Dibenzofuran	168	8.732	8.732	0.0	85	1897548	9.66	
118 2,3,5,6-Tetrachlorophenol	232	8.791	8.791	0.0	85	382760	9.92	
121 Diethyl phthalate	149	8.887	8.887	0.0	95	1429900	9.11	
123 4-Chlorophenyl phenyl ether	204	9.005	9.005	0.0	90	814848	9.66	
125 4-Nitroaniline	138	9.021	9.021	0.0	80	395640	10.6	
126 Fluorene	166	9.021	9.021	0.0	70	1596614	9.60	
128 4,6-Dinitro-2-methylphenol	198	9.042	9.042	0.0	80	304833	9.70	
131 N-Nitrosodiphenylamine	169	9.101	9.101	0.0	93	1172862	10.1	
133 Azobenzene	77	9.144	9.144	0.0	93	2707175	9.57	
132 1,2-Diphenylhydrazine	77	9.144	9.144	0.0	99	2707172	9.57	
139 4-Bromophenyl phenyl ether	248	9.421	9.421	0.0	65	446728	10.5	
141 Hexachlorobenzene	284	9.486	9.486	0.0	79	450603	10.5	
142 Atrazine	200	9.534	9.534	0.0	82	384069	10.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.646	9.646	0.0	80	589630	18.4	
148 Phenanthrene	178	9.838	9.838	0.0	81	2463651	9.80	
149 Anthracene	178	9.881	9.881	0.0	81	2569345	10.2	
151 Carbazole	167	10.004	10.004	0.0	62	2201791	9.77	
154 Di-n-butyl phthalate	149	10.260	10.260	0.0	100	2594034	9.37	
159 Fluoranthene	202	10.848	10.848	0.0	78	2793189	9.74	
160 Benzidine	184	10.944	10.944	0.0	86	1509157	9.51	
161 Pyrene	202	11.061	11.061	0.0	73	2948659	10.0	
168 Butyl benzyl phthalate	149	11.654	11.654	0.0	85	1101877	9.39	
172 3,3'-Dimethoxybenzidine	244	12.269	12.269	0.0	84	670716	9.75	
175 3,3'-Dichlorobenzidine	252	12.312	12.312	0.0	67	971252	9.86	
174 4,4'-Methylene bis(2-chloroanili	231	12.312	12.312	0.0	68	467610	9.86	
173 Bis(2-ethylhexyl) phthalate	149	12.333	12.333	0.0	94	1572191	9.00	
177 Benzo[a]anthracene	228	12.370	12.370	0.0	82	2531174	9.56	
178 Chrysene	228	12.418	12.418	0.0	81	2399951	9.89	
180 Di-n-octyl phthalate	149	13.246	13.246	0.0	99	2601063	8.49	
182 Benzo[b]fluoranthene	252	13.887	13.887	0.0	79	2424351	9.53	
183 Benzo[k]fluoranthene	252	13.930	13.930	0.0	84	2499940	9.55	
184 Benzo[a]pyrene	252	14.390	14.390	0.0	66	2296658	9.56	
188 Indeno[1,2,3-cd]pyrene	276	16.142	16.142	0.0	74	2571130	9.74	
189 Dibenz(a,h)anthracene	278	16.169	16.169	0.0	72	2130805	9.84	
190 Benzo[g,h,i]perylene	276	16.601	16.601	0.0	79	2186265	9.87	
S 191 Methyl Phenols,Total	100				0		20.5	

QC Flag Legend

Review Flags
M - Manually Integrated

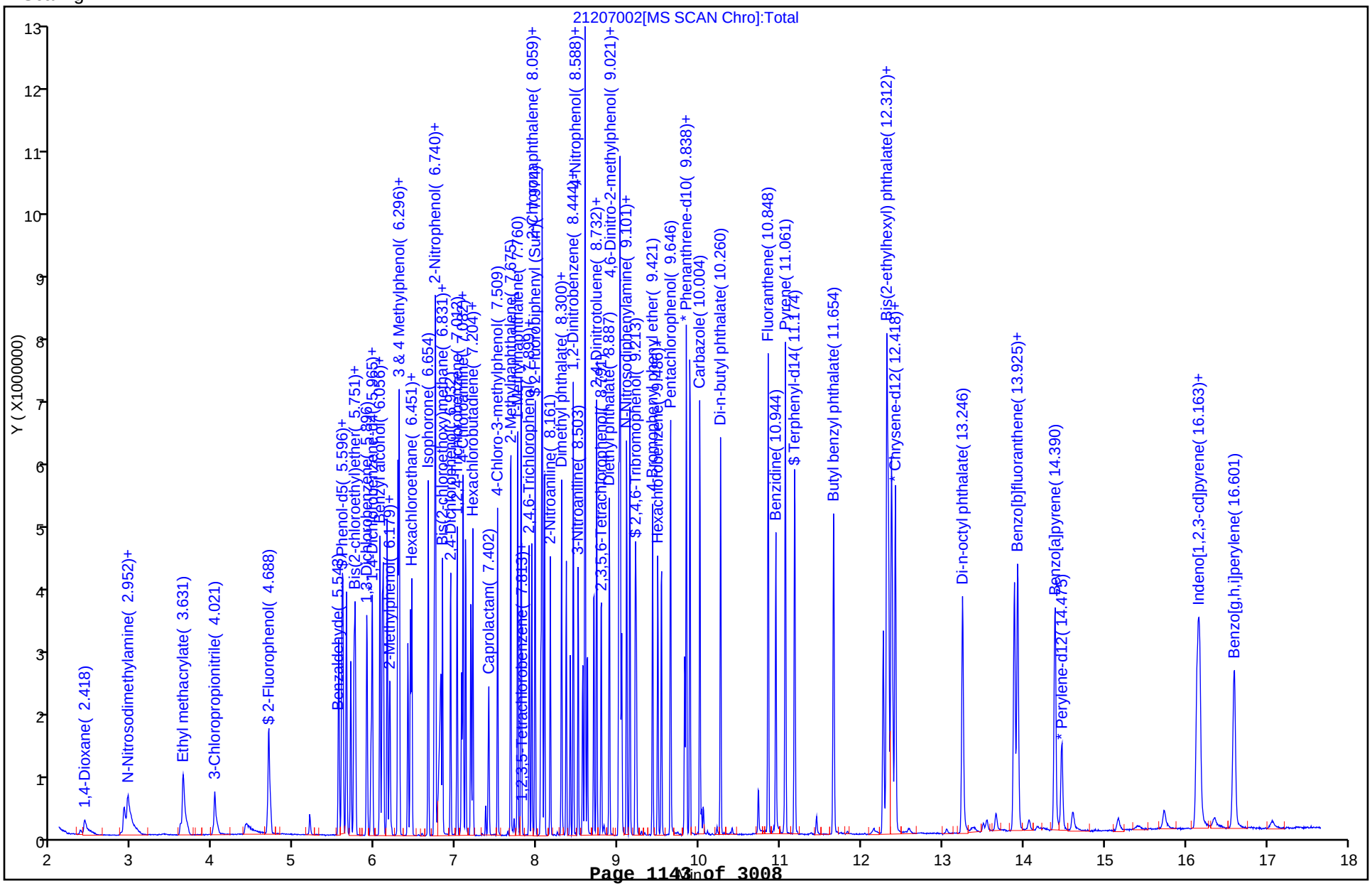
Report Date: 08-Dec-2012 11:37:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207002.D

Injection Date:	07-Dec-2012 13:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

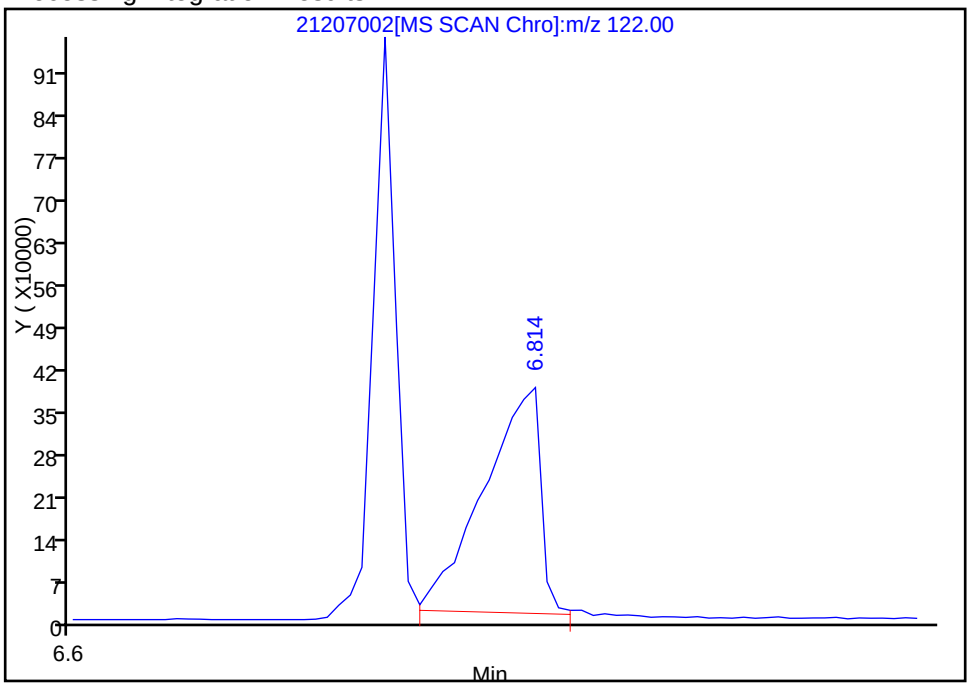
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207002.D		
Injection Date:	07-Dec-2012 13:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.81

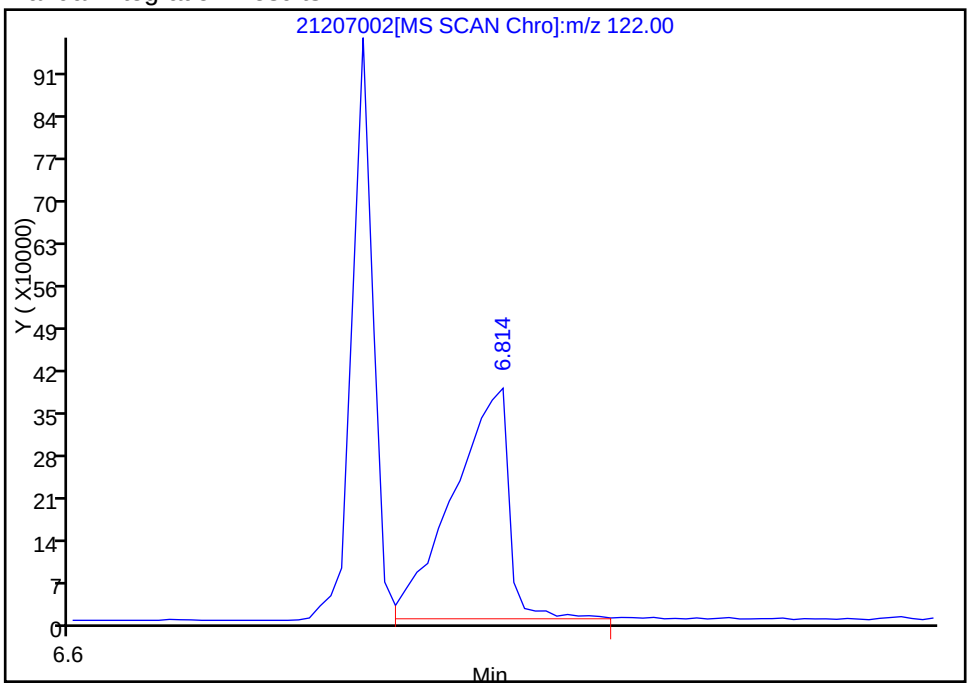
Processing Integration Results

RT: 6.81
Response: 683300
Amount: 16.776640



Manual Integration Results

RT: 6.81
Response: 738271
Amount: 17.941980



Reviewer: ulmanm, 07-Dec-2012 13:56:11
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/07/2012 19:08

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.099			0.0968	0.100		
2-Methylnaphthalene	Ave	0.6886			0.0857	0.100		
1,1'-Biphenyl	Ave	1.445			0.102	0.100		
2-Chloronaphthalene	Ave	1.103			0.0872	0.100		
Acenaphthylene	Ave	1.759			0.0861	0.100		
Acenaphthene	Ave	1.116			0.103	0.100		
Fluorene	Ave	1.363			0.0893	0.100		
Hexachlorobenzene	Ave	0.2035			0.102	0.100		
Phenanthrene	Ave	1.195			0.107	0.100		
Anthracene	Ave	1.197			0.0926	0.100		
Fluoranthene	Ave	1.364			0.101	0.100		
Pyrene	Ave	1.384			0.0935	0.100		
Butyl benzyl phthalate	Ave	0.5524			0.103	0.100		
Benzo[a]anthracene	Ave	1.246			0.117	0.100		
Chrysene	Ave	1.142			0.109	0.100		
Benzo[b]fluoranthene	Ave	1.387			0.0970	0.100		
Benzo[k]fluoranthene	Ave	1.426			0.103	0.100		
Benzo[a]pyrene	Ave	1.309			0.100	0.100		
Indeno[1,2,3-cd]pyrene	Ave	1.438			0.101	0.100		
Dibenz(a,h)anthracene	Ave	1.180			0.116	0.100		
Benzo[g,h,i]perylene	Ave	1.208			0.0850	0.100		
1,2,4-Trichlorobenzene	Ave	0.3506			0.000800	0.100		
1,2-Dichlorobenzene	Ave	1.526			0.000800	0.100		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346			0.000800	0.100		
1,3-Dichlorobenzene	Ave	1.570			0.000800	0.100		
1,4-Dichlorobenzene	Ave	1.586			0.000800	0.100		
1,4-Dioxane	Ave	0.7764			0.000800	0.100		
2,4,5-Trichlorophenol	Ave	0.3811			0.000800	0.100		
2,4,6-Trichlorophenol	Ave	0.3463			0.000800	0.100		
2,4-Dichlorophenol	Ave	0.2834			0.000800	0.100		
2,4-Dimethylphenol	Ave	0.4935			0.000800	0.100		
2,4-Dinitrophenol	Qua				0.00240	0.200		
2,4-Dinitrotoluene	Ave	0.3626			0.000800	0.100		
2,6-Dinitrotoluene	Ave	0.2702			0.000800	0.100		
2-Chlorophenol	Ave	1.461			0.000800	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/07/2012 19:08

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Methylphenol	Ave	1.718			0.000800	0.100		
2-Nitroaniline	Ave	0.5134			0.000800	0.100		
2-Nitrophenol	Ave	0.1757			0.000800	0.100		
3 & 4 Methylphenol	Ave	1.828			0.000800	0.100		
3,3'-Dichlorobenzidine	Qua				0.000800	0.100		
3-Nitroaniline	Ave	0.2907			0.000800	0.100		
4,6-Dinitro-2-methylphenol	Qua				0.00240	0.100		
4-Bromophenyl phenyl ether	Ave	0.2017			0.000800	0.100		
4-Chloro-3-methylphenol	Ave	0.4157			0.000800	0.100		
4-Chlorophenyl phenyl ether	Ave	0.6916			0.000800	0.100		
4-Nitroaniline	Ave	0.3061			0.000800	0.100		
4-Nitrophenol	Ave	0.2139			0.00240	0.100		
Acetophenone	Ave	2.653			0.000800	0.100		
Aniline	Ave	3.218			0.00240	0.100		
Atrazine	Ave	0.1759			0.000800	0.100		
Benzaldehyde	Qua				0.000800	0.100		
Benzidine	Qua				0.00240	0.100		
Benzoic acid	Qua				0.0100	0.200		
Benzyl alcohol	Ave	1.204			0.000800	0.100		
Bis(2-chloroethoxy)methane	Ave	0.6014			0.000800	0.100		
Bis(2-chloroethyl)ether	Ave	1.987			0.000100	0.100		
Bis(2-ethylhexyl) phthalate	Ave	0.8220			0.000800	0.100		
Caprolactam	Ave	0.1156			0.000800	0.100		
Carbazole	Ave	1.072			0.000800	0.100		
Dibenzofuran	Ave	1.610			0.000100	0.100		
Diethyl phthalate	Ave	1.286			0.000800	0.100		
Dimethyl phthalate	Ave	1.299			0.000800	0.100		
Di-n-butyl phthalate	Ave	1.317			0.000800	0.100		
Di-n-octyl phthalate	Qua				0.000800	0.100		
Hexachlorobutadiene	Ave	0.1912			0.000800	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/07/2012 19:08

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorocyclopentadiene	Ave	0.3216			0.000800	0.100		
Hexachloroethane	Ave	0.7420			0.000800	0.100		
Isophorone	Ave	1.175			0.000800	0.100		
Nitrobenzene	Ave	0.6444			0.000100	0.100		
N-Nitrosodimethylamine	Ave	1.020			0.000800	0.100		
N-Nitrosodi-n-propylamine	Ave	1.801			0.000800	0.100		
N-Nitrosodiphenylamine	Ave	0.5526			0.000800	0.100		
Pentachlorophenol	Qua				0.00240	0.200		
Phenol	Ave	2.575			0.000800	0.100		
Pyridine	Ave	2.082			0.000800	0.100		
Nitrobenzene-d5 (Surr)	Ave	0.6121			0.104	0.100	104*	35-100
2-Fluorobiphenyl (Surr)	Ave	1.328			0.0998	0.100	100	45-105
Terphenyl-d14 (Surr)	Ave	0.8194			0.0996	0.100	100	30-125
2,4,6-Tribromophenol (Surr)	Ave	0.1549			0.000000	0.100	0*	35-125
2-Fluorophenol (Surr)	Ave	1.574			0.000000	0.100	0*	35-105
Phenol-d5 (Surr)	Ave	2.273			0.000000	0.100	0*	40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207016.D
Lims ID: mdll1 Client ID:
Inject. Date: 07-Dec-2012 19:08:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015623-016
Misc. Info.: MDLL1 =MDLL1
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 67729 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 12:38:28 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 08-Dec-2012 11:27:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.949	5.949	0.0	87	165848	4.00	
* 2 Naphthalene-d8	136	7.065	7.066	-0.001	98	716832	4.00	
* 3 Acenaphthene-d10	164	8.556	8.561	-0.005	62	429742	4.00	
* 4 Phenanthrene-d10	188	9.816	9.817	-0.001	76	761238	4.00	
* 5 Chrysene-d12	240	12.381	12.381	0.0	79	766316	4.00	
* 6 Perylene-d12	264	14.464	14.470	-0.006	78	643746	4.00	
$ 7 2-Fluorophenol	112		4.688					9
$ 8 Phenol-d5	99		5.591					
$ 9 Nitrobenzene-d5	82	6.430	6.435	-0.005	69	11377	0.1037	
$ 10 2-Fluorobiphenyl (Surr)	172	7.973	7.974	-0.001	58	14242	0.0998	
$ 11 2,4,6-Tribromophenol	330		9.224					9
$ 12 Terphenyl-d14	244	11.173	11.174	-0.001	68	15632	0.0996	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					
25 1,4-Dioxane	88		2.418					
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
26 N-Nitrosodimethylamine	74		2.899					9
27 Pyridine	79		2.947					9
37 Ethyl methanesulfonate	79		3.105					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.631					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					9
29 3-Chloropropionitrile	54		4.021					
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
63 N-Nitrosopiperidine	114		4.254					
33 Malononitrile	66		4.416					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77		5.548					
43 Phenol	94		5.602					
44 Aniline	93		5.645					
103 1,4-Naphthoquinone	158		5.680					
69 Bis(2-chloroethyl)ether	93		5.698					
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128		5.751					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146		5.896					
48 1,4-Dichlorobenzene	146		5.965					
49 Benzyl alcohol	108		6.056					
115 Pentachlorobenzene	250		6.091					
50 1,2-Dichlorobenzene	146		6.099					
51 2-Methylphenol	108		6.147					
117 1-Naphthylamine	143		6.166					
53 2,2'-oxybis[1-chloropropane]	45		6.179					
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
21 3 & 4 Methylphenol	108		6.280					
57 N-Nitrosodi-n-propylamine	70		6.291					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105		6.296					
122 Thionazin	97		6.305					
124 N-Nitro-o-toluidine	152		6.358					
127 Tributyl phosphate	99		6.379					
61 Hexachloroethane	117		6.403					9
130 Diphenylamine	169		6.428					
62 Nitrobenzene	77		6.451					
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					
64 Isophorone	82		6.654					
230 Diallate Peak 2	86		6.695					9
66 2-Nitrophenol	139		6.729					9
67 1,3,5-Trichlorobenzene	180		6.740					
65 2,4-Dimethylphenol	107		6.745					
140 Dimethoate	87		6.764					
71 Benzoic acid	122		6.814					9
70 Bis(2-chloroethoxy)methane	93		6.831					
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162		6.932					9
146 Disulfoton	88		7.010					9
74 1,2,4-Trichlorobenzene	180		7.012					9
147 Dinoseb	211		7.020					
75 Naphthalene	128	7.081	7.087	-0.006	64	19057	0.0968	
76 4-Chloroaniline	127		7.114					
79 Hexachlorobutadiene	225		7.183					9
80 1,2,3-Trichlorobenzene	180		7.204					9
152 Methyl parathion	109		7.282					9
84 Caprolactam	113		7.402					9
86 4-Chloro-3-methylphenol	107		7.509					
155 Ethyl Parathion	97		7.560					9
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142	7.674	7.675	-0.001	68	10574	0.0857	
88 1-Methylnaphthalene	142	7.760	7.760	0.0	53	11489	0.0962	
90 1,2,3,5-Tetrachlorobenzene	216		7.803					
89 Hexachlorocyclopentadiene	237		7.803					
158 Isodrin	66		7.816					
92 2,4,6-Trichlorophenol	196		7.899					9
93 2,4,5-Trichlorophenol	196		7.931					
97 2,4-Toluene diamine	121		8.043					
99 1,2,3,4 -Tetrachlorobenzene	216		8.054					
98 1,1'-Biphenyl	154	8.059	8.065	-0.006	66	15820	0.1019	
100 2-Chloronaphthalene	162	8.086	8.091	-0.005	71	10326	0.0872	
226 Aramite Peak 1	185		8.131					
102 2-Nitroaniline	65		8.161					9
229 Aramite Peak 2	185		8.185					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163		8.300					
107 2,6-Dinitrotoluene	165		8.358					9
108 1,2-Dinitrobenzene	168		8.406					9
109 Acenaphthylene	152	8.444	8.444	0.0	67	16265	0.0861	
167 Famphur	218		8.473					
110 3-Nitroaniline	138		8.503					
169 3,3'-Dimethylbenzidine	212		8.516					
112 Acenaphthene	153	8.582	8.588	-0.006	69	12388	0.1033	
111 2,4-Dinitrophenol	184		8.593					
113 4-Nitrophenol	109		8.620					9
114 2,4-Dinitrotoluene	165		8.700					9
171 2-Acetylaminofluorene	181		8.713					
116 Dibenzofuran	168		8.732					
118 2,3,5,6-Tetrachlorophenol	232		8.791					9
121 Diethyl phthalate	149		8.887					
123 4-Chlorophenyl phenyl ether	204		9.005					
125 4-Nitroaniline	138		9.021					
126 Fluorene	166	9.020	9.021	-0.001	75	13082	0.0893	
128 4,6-Dinitro-2-methylphenol	198		9.042					
131 N-Nitrosodiphenylamine	169		9.101					
133 Azobenzene	77		9.144					
132 1,2-Diphenylhydrazine	77		9.144					
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248		9.421					9
141 Hexachlorobenzene	284	9.485	9.486	-0.001	26	3965	0.1024	
142 Atrazine	200		9.534					9
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266		9.646					9
148 Phenanthrene	178	9.838	9.838	0.0	15	24295	0.1068	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
149 Anthracene	178	9.881	9.881	0.0	64	21086	0.0926	
150 DFTPP								
151 Carbazole	167		10.004					9
154 Di-n-butyl phthalate	149		10.260					
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.847	10.848	-0.001	68	26297	0.1013	
160 Benzidine	184		10.944					
161 Pyrene	202	11.056	11.061	-0.005	86	24801	0.0935	
166 4,4'-DDE	246		11.111					
165 4,4'-DDD	235		11.490					
168 Butyl benzyl phthalate	149	11.654	11.654	0.0	51	10942	0.1034	
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.779					
186 Dibenz[a,j]acridine	279		11.804					
172 3,3'-Dimethoxybenzidine	244		12.269					9
175 3,3'-Dichlorobenzidine	252		12.312					9
174 4,4'-Methylene bis(2-chloroanili	231		12.312					9
173 Bis(2-ethylhexyl) phthalate	149		12.333					
177 Benzo[a]anthracene	228	12.370	12.370	0.0	21	27810	0.1165	
178 Chrysene	228	12.413	12.418	-0.005	51	23914	0.1093	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149		13.246					
182 Benzo[b]fluoranthene	252	13.876	13.887	-0.011	56	21645	0.0970	
183 Benzo[k]fluoranthene	252	13.914	13.930	-0.016	65	23561	0.1027	
184 Benzo[a]pyrene	252	14.379	14.390	-0.011	54	21117	0.1003	
188 Indeno[1,2,3-cd]pyrene	276	16.131	16.142	-0.011	61	23334	0.1008	M
189 Dibenz(a,h)anthracene	278	16.163	16.169	-0.006	0	21962	0.1156	M
190 Benzo[g,h,i]perylene	276	16.585	16.601	-0.016	71	16523	0.0850	
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					
T 195 Hydroquinone TIC	110		0.000					1
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

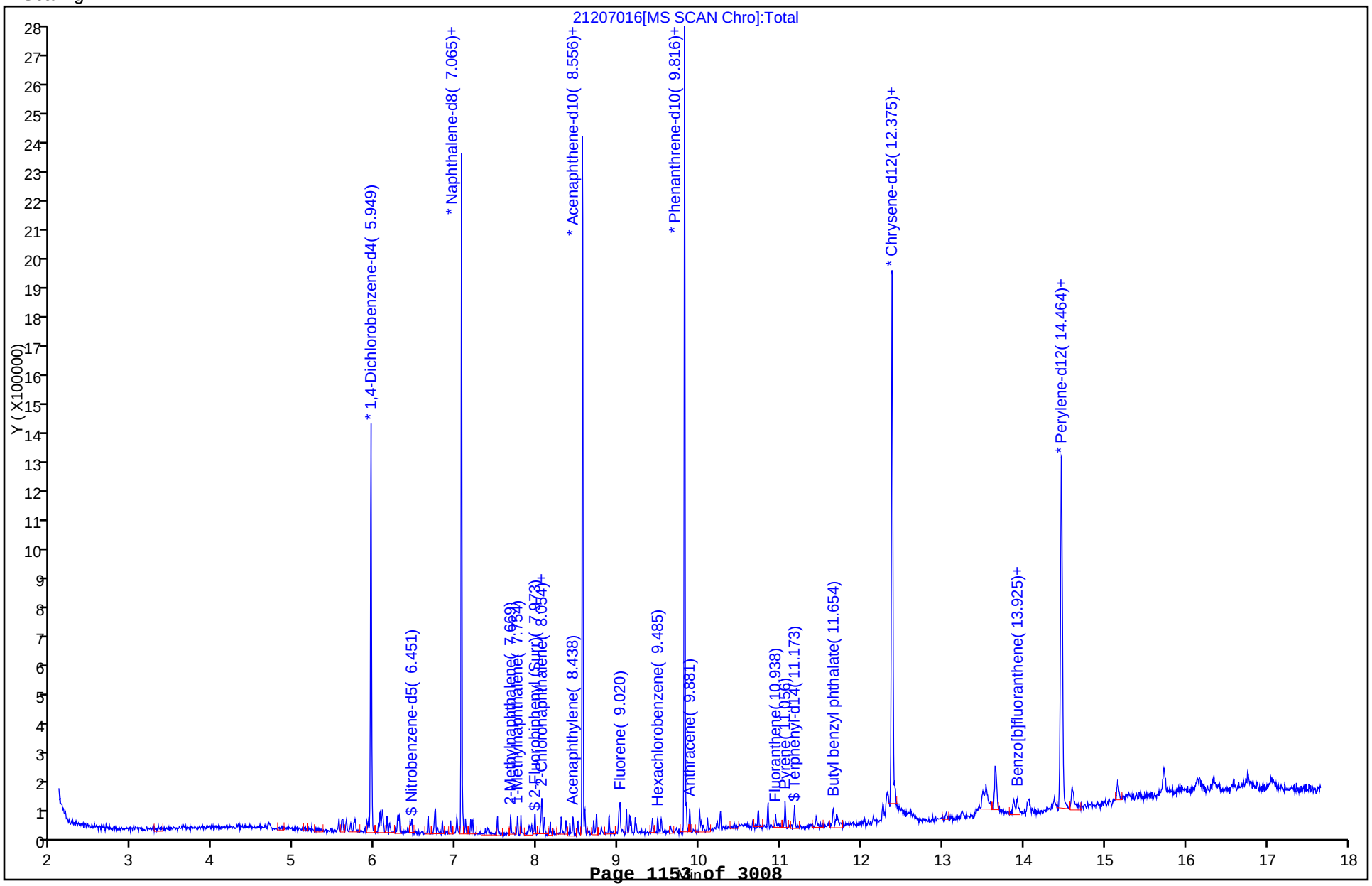
Report Date: 08-Dec-2012 12:38:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207016.D

Injection Date:	07-Dec-2012 19:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

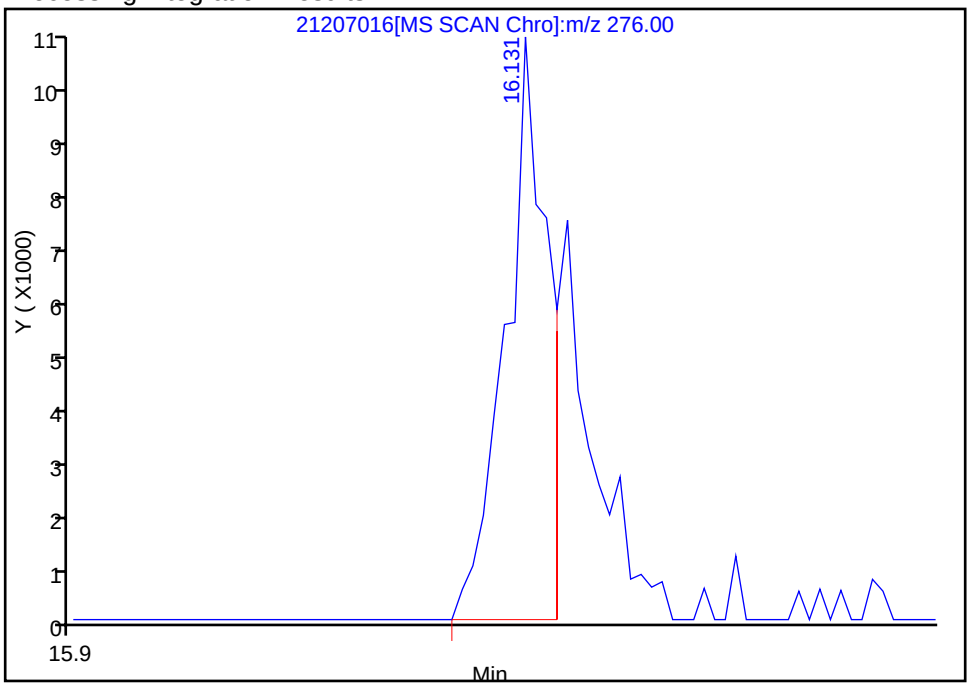
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207016.D		
Injection Date:	07-Dec-2012 19:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.14

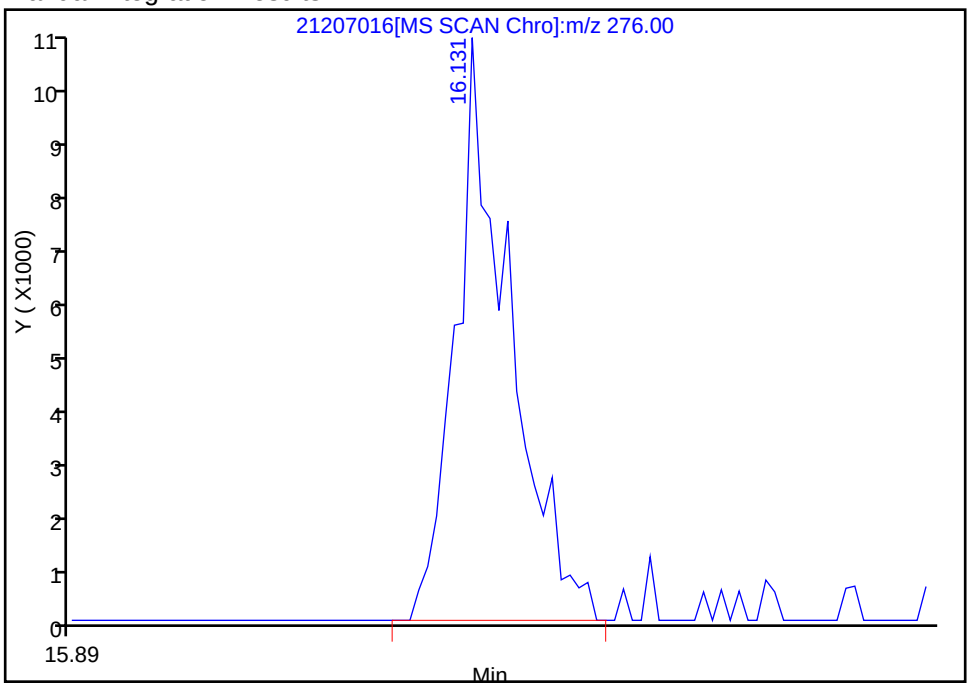
Processing Integration Results

RT: 16.13
Response: 15584
Amount: 0.067345



Manual Integration Results

RT: 16.13
Response: 23334
Amount: 0.100836



Reviewer: ulmanm, 08-Dec-2012 11:27:40
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

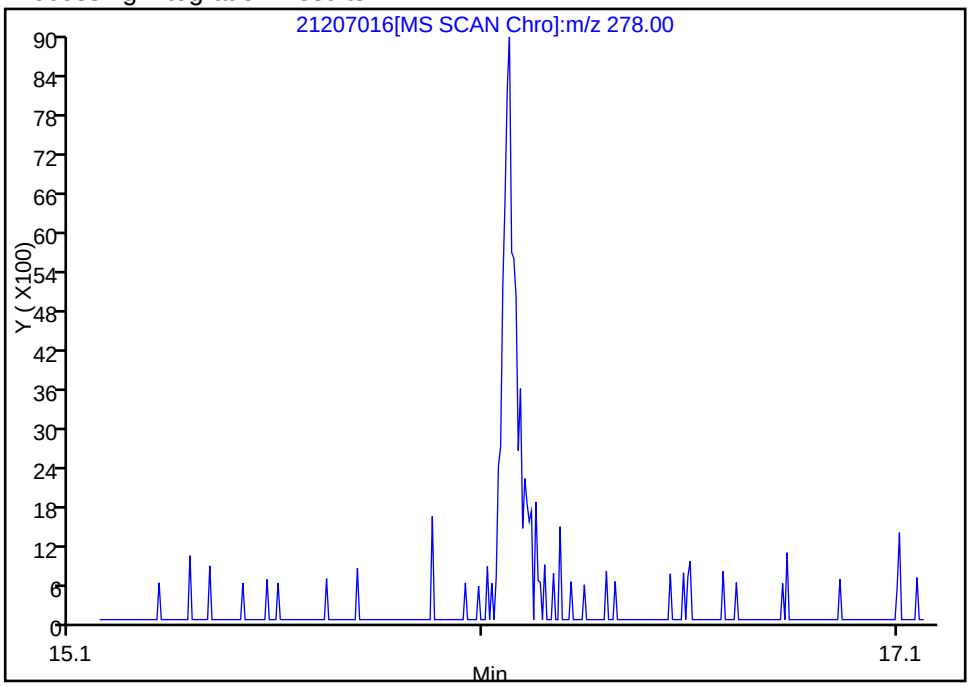
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207016.D		
Injection Date:	07-Dec-2012 19:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.17

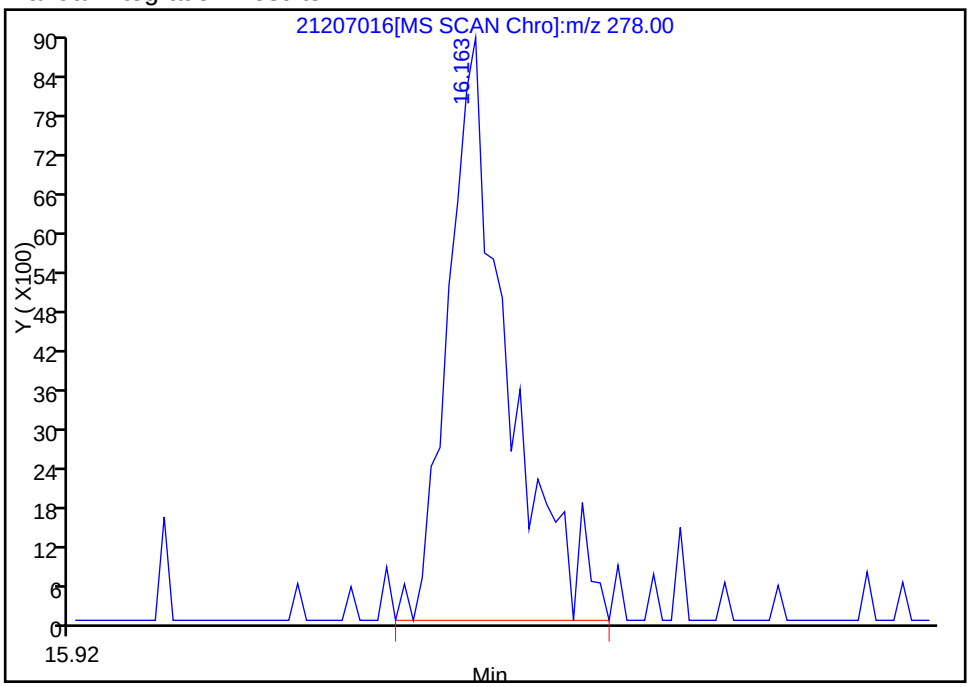
Processing Integration Results

Not Detected
Expected RT: 16.17



Manual Integration Results

RT: 16.16
Response: 21962
Amount: 0.115644



Reviewer: ulmanm, 08-Dec-2012 11:27:40
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/07/2012 19:33

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7764			0.350	0.500		
N-Nitrosodimethylamine	Ave	1.020			0.608	0.500		
Pyridine	Ave	2.082			0.539	0.500		
Benzaldehyde	Qua				0.642	0.500		
Phenol	Ave	2.575			0.535	0.500		
Aniline	Ave	3.218			0.537	0.500		
Bis(2-chloroethyl)ether	Ave	1.987			0.578	0.500		
2-Chlorophenol	Ave	1.461			0.544	0.500		
1,3-Dichlorobenzene	Ave	1.570			0.502	0.500		
1,4-Dichlorobenzene	Ave	1.586			0.524	0.500		
Benzyl alcohol	Ave	1.204			0.524	0.500		
1,2-Dichlorobenzene	Ave	1.526			0.517	0.500		
2-Methylphenol	Ave	1.718			0.550	0.500		
3 & 4 Methylphenol	Ave	1.828			0.488	0.500		
N-Nitrosodi-n-propylamine	Ave	1.801			0.512	0.500		
Acetophenone	Ave	2.653			0.474	0.500		
Hexachloroethane	Ave	0.7420			0.382	0.500		
Nitrobenzene	Ave	0.6444			0.495	0.500		
Isophorone	Ave	1.175			0.419	0.500		
2-Nitrophenol	Ave	0.1757			0.467	0.500		
2,4-Dimethylphenol	Ave	0.4935			0.476	0.500		
Benzoic acid	Qua				1.83	1.00		
Bis(2-chloroethoxy)methane	Ave	0.6014			0.506	0.500		
2,4-Dichlorophenol	Ave	0.2834			0.497	0.500		
1,2,4-Trichlorobenzene	Ave	0.3506			0.495	0.500		
Hexachlorobutadiene	Ave	0.1912			0.476	0.500		
Caprolactam	Ave	0.1156			0.502	0.500		
4-Chloro-3-methylphenol	Ave	0.4157			0.450	0.500		
2,4,6-Trichlorophenol	Ave	0.3463			0.364	0.500		
2,4,5-Trichlorophenol	Ave	0.3811			0.458	0.500		
2-Nitroaniline	Ave	0.5134			0.440	0.500		
Dimethyl phthalate	Ave	1.299			0.450	0.500		
2,6-Dinitrotoluene	Ave	0.2702			0.481	0.500		
3-Nitroaniline	Ave	0.2907			0.472	0.500		
4-Nitrophenol	Ave	0.2139			0.281	0.500		
2,4-Dinitrotoluene	Ave	0.3626			0.371	0.500		
Dibenzofuran	Ave	1.610			0.457	0.500		
Diethyl phthalate	Ave	1.286			0.415	0.500		
4-Chlorophenyl phenyl ether	Ave	0.6916			0.432	0.500		
4-Nitroaniline	Ave	0.3061			0.426	0.500		
4,6-Dinitro-2-methylphenol	Qua				0.859	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/07/2012 19:33

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodiphenylamine	Ave	0.5526			0.484	0.500		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346			0.428	0.500		
4-Bromophenyl phenyl ether	Ave	0.2017			0.471	0.500		
Atrazine	Ave	0.1759			0.554	0.500		
Pentachlorophenol	Qua				0.879	1.00		
Phenanthrene	Ave	1.195			0.463	0.500		
Anthracene	Ave	1.197			0.450	0.500		
Carbazole	Ave	1.072			0.461	0.500		
Di-n-butyl phthalate	Ave	1.317			0.423	0.500		
Benzidine	Qua				0.847	0.500		
Butyl benzyl phthalate	Ave	0.5524			0.414	0.500		
3,3'-Dichlorobenzidine	Qua				0.648	0.500		
Bis(2-ethylhexyl) phthalate	Ave	0.8220			0.406	0.500		
Di-n-octyl phthalate	Qua				0.411	0.500		
1,1'-Biphenyl	Ave	1.445			0.000800	0.500		
2,4-Dinitrophenol	Qua				0.00240	1.00		
2-Chloronaphthalene	Ave	1.103			0.000100	0.500		
2-Methylnaphthalene	Ave	0.6886			0.000100	0.500		
Acenaphthene	Ave	1.116			0.000100	0.500		
Acenaphthylene	Ave	1.759			0.000100	0.500		
Benzo[a]anthracene	Ave	1.246			0.000100	0.500		
Benzo[a]pyrene	Ave	1.309			0.000100	0.500		
Benzo[b]fluoranthene	Ave	1.387			0.000100	0.500		
Benzo[g,h,i]perylene	Ave	1.208			0.000100	0.500		
Benzo[k]fluoranthene	Ave	1.426			0.000100	0.500		
Chrysene	Ave	1.142			0.000100	0.500		
Dibenz(a,h)anthracene	Ave	1.180			0.000100	0.500		
Fluoranthene	Ave	1.364			0.000100	0.500		
Fluorene	Ave	1.363			0.000100	0.500		
Hexachlorobenzene	Ave	0.2035			0.000100	0.500		
Hexachlorocyclopentadiene	Ave	0.3216			0.000800	0.500		
Indeno[1,2,3-cd]pyrene	Ave	1.438			0.000100	0.500		
Naphthalene	Ave	1.099			0.000100	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/07/2012 19:33

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pyrene	Ave	1.384			0.000100	0.500		
2-Fluorophenol (Surr)	Ave	1.574			0.487	0.500	97	35-105
Phenol-d5 (Surr)	Ave	2.273			0.512	0.500	102*	40-100
2,4,6-Tribromophenol (Surr)	Ave	0.1549			0.462	0.500	92	35-125
2-Fluorobiphenyl (Surr)	Ave	1.328			0.000000	0.500	0*	45-105
Nitrobenzene-d5 (Surr)	Ave	0.6121			0.000000	0.500	0*	35-100
Terphenyl-d14 (Surr)	Ave	0.8194			0.000000	0.500	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207017.D
Lims ID: mdll2 Client ID:
Inject. Date: 07-Dec-2012 19:33:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015623-017
Misc. Info.: MDLL2 =MDLL2
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 67729 Lims Sample ID: 17
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 12:38:28 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 08-Dec-2012 11:32:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.950	5.949	0.001	84	171348	4.00	
* 2 Naphthalene-d8	136	7.067	7.066	0.0	98	730522	4.00	
* 3 Acenaphthene-d10	164	8.557	8.561	-0.004	62	458234	4.00	
* 4 Phenanthrene-d10	188	9.818	9.817	0.001	74	779593	4.00	
* 5 Chrysene-d12	240	12.382	12.381	0.001	76	781509	4.00	
* 6 Perylene-d12	264	14.471	14.470	0.001	85	662424	4.00	
$ 7 2-Fluorophenol	112	4.689	4.688	0.001	77	32830	0.4870	
$ 8 Phenol-d5	99	5.587	5.591	-0.004	0	49829	0.5118	
$ 9 Nitrobenzene-d5	82		6.435					
$ 10 2-Fluorobiphenyl (Surr)	172		7.974					
$ 11 2,4,6-Tribromophenol	330	9.225	9.224	0.001	47	8198	0.4620	
$ 12 Terphenyl-d14	244		11.174					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					
25 1,4-Dioxane	88	2.419	2.418	0.001	61	11631	0.3497	
34 Methyl methanesulfonate	80		2.587					9
30 3-Picoline	93		2.651					9
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
26 N-Nitrosodimethylamine	74	2.937	2.899	0.038	33	26573	0.6080	M
27 Pyridine	79	2.980	2.947	0.033	58	48039	0.5387	M
37 Ethyl methanesulfonate	79		3.105					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69	3.637	3.631	0.006	59	32112	0.3713	
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
29 3-Chloropropionitrile	54	4.027	4.021	0.006	39	17262	0.5461	
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					9
63 N-Nitrosopiperidine	114		4.254					
33 Malononitrile	66		4.416					9
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					9
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.549	5.548	0.001	80	50280	0.6420	
43 Phenol	94	5.603	5.602	0.001	94	59048	0.5354	
44 Aniline	93	5.646	5.645	0.001	89	74049	0.5372	
103 1,4-Naphthoquinone	158		5.680					
69 Bis(2-chloroethyl)ether	93	5.699	5.698	0.001	88	49228	0.5785	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128	5.752	5.751	0.001	74	34025	0.5438	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146	5.897	5.896	0.001	81	33750	0.5017	
48 1,4-Dichlorobenzene	146	5.961	5.965	-0.004	71	35618	0.5243	
49 Benzyl alcohol	108	6.057	6.056	0.001	87	27044	0.5244	
115 Pentachlorobenzene	250		6.091					
50 1,2-Dichlorobenzene	146	6.100	6.099	0.001	79	33783	0.5166	
51 2-Methylphenol	108	6.148	6.147	0.001	92	40488	0.5503	
117 1-Naphthylamine	143		6.166					
53 2,2'-oxybis[1-chloropropane]	45	6.180	6.179	0.001	89	47046	0.5425	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
21 3 & 4 Methylphenol	108	6.276	6.280	-0.004	82	38227	0.4882	
57 N-Nitrosodi-n-propylamine	70	6.292	6.291	0.001	61	39529	0.5123	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105	6.297	6.296	0.001	81	53829	0.4737	
122 Thionazin	97		6.305					
124 N-Nitro-o-toluidine	152		6.358					
127 Tributyl phosphate	99		6.379					9
61 Hexachloroethane	117	6.399	6.403	-0.004	76	12140	0.3819	
130 Diphenylamine	169		6.428					9
62 Nitrobenzene	77	6.452	6.451	0.001	73	58278	0.4952	
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					9
64 Isophorone	82	6.650	6.654	-0.004	91	90030	0.4194	
230 Diallate Peak 2	86		6.695					
66 2-Nitrophenol	139	6.725	6.729	-0.004	81	14996	0.4673	
67 1,3,5-Trichlorobenzene	180	6.741	6.740	0.001	86	33323	0.5061	
65 2,4-Dimethylphenol	107	6.746	6.745	0.001	95	42860	0.4756	
140 Dimethoate	87		6.764					9
71 Benzoic acid	122	6.767	6.814	-0.047	69	13124	1.83	
70 Bis(2-chloroethoxy)methane	93	6.826	6.831	-0.004	91	55533	0.5056	
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162	6.928	6.932	-0.004	83	25742	0.4973	
146 Disulfoton	88		7.010					9
74 1,2,4-Trichlorobenzene	180	7.008	7.012	-0.004	77	31717	0.4954	
147 Dinoseb	211		7.020					
75 Naphthalene	128		7.087					
76 4-Chloroaniline	127	7.115	7.114	0.001	83	37425	0.4717	
79 Hexachlorobutadiene	225	7.179	7.183	-0.004	79	16626	0.4762	
80 1,2,3-Trichlorobenzene	180	7.205	7.204	0.001	78	30393	0	
152 Methyl parathion	109		7.282					9
84 Caprolactam	113	7.387	7.402	-0.015	64	10595	0.5019	
86 4-Chloro-3-methylphenol	107	7.510	7.509	0.001	74	34140	0.4497	
155 Ethyl Parathion	97		7.560					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					9
87 2-Methylnaphthalene	142		7.675					
88 1-Methylnaphthalene	142		7.760					
90 1,2,3,5-Tetrachlorobenzene	216	7.798	7.803	-0.005	81	27486	0.4299	
89 Hexachlorocyclopentadiene	237		7.803					9
158 Isodrin	66		7.816					9
92 2,4,6-Trichlorophenol	196	7.900	7.899	0.001	78	14435	0.3638	
93 2,4,5-Trichlorophenol	196	7.932	7.931	0.001	83	20002	0.4581	
97 2,4-Toluene diamine	121	8.039	8.043	-0.004	88	24112	0.6738	
99 1,2,3,4 -Tetrachlorobenzene	216		8.054					
98 1,1'-Biphenyl	154		8.065					
100 2-Chloronaphthalene	162		8.091					
226 Aramite Peak 1	185		8.131					
102 2-Nitroaniline	65	8.156	8.161	-0.005	62	25883	0.4401	
229 Aramite Peak 2	185		8.185					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163	8.295	8.300	-0.005	91	67025	0.4503	
107 2,6-Dinitrotoluene	165	8.354	8.358	-0.004	75	14884	0.4808	
108 1,2-Dinitrobenzene	168	8.402	8.406	-0.004	64	6739	0.4427	
109 Acenaphthylene	152		8.444					
167 Famphur	218		8.473					
110 3-Nitroaniline	138	8.504	8.503	0.001	83	15718	0.4720	
169 3,3'-Dimethylbenzidine	212		8.516					
112 Acenaphthene	153		8.588					
111 2,4-Dinitrophenol	184		8.593					
113 4-Nitrophenol	109	8.616	8.620	-0.004	73	6881	0.2808	
114 2,4-Dinitrotoluene	165	8.696	8.700	-0.004	66	15390	0.3705	
171 2-Acetylaminofluorene	181		8.713					9
116 Dibenzofuran	168	8.733	8.732	0.001	82	84206	0.4566	
118 2,3,5,6-Tetrachlorophenol	232	8.787	8.791	-0.004	74	12400	0.3421	
121 Diethyl phthalate	149	8.888	8.887	0.001	93	61160	0.4150	
123 4-Chlorophenyl phenyl ether	204	9.006	9.005	0.001	91	34253	0.4323	
125 4-Nitroaniline	138	9.016	9.021	-0.005	69	14940	0.4260	
126 Fluorene	166		9.021					
128 4,6-Dinitro-2-methylphenol	198	9.038	9.042	-0.004	17	6147	0.8588	
131 N-Nitrosodiphenylamine	169	9.102	9.101	0.001	95	52164	0.4843	
133 Azobenzene	77	9.139	9.144	-0.005	95	112290	0.4282	
132 1,2-Diphenylhydrazine	77	9.139	9.144	-0.005	99	112290	0.4282	
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248	9.422	9.421	0.001	65	18501	0.4706	
141 Hexachlorobenzene	284		9.486					
142 Atrazine	200	9.529	9.534	-0.005	61	19010	0.5544	
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266	9.647	9.646	0.001	64	12803	0.8786	
148 Phenanthrene	178	9.839	9.838	0.001	75	107863	0.4631	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
149 Anthracene	178	9.882	9.881	0.001	81	104882	0.4495	
150 DFTPP								
151 Carbazole	167	10.005	10.004	0.001	67	96390	0.4612	
154 Di-n-butyl phthalate	149	10.261	10.260	0.001	97	108462	0.4225	
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202		10.848					
160 Benzidine	184	10.945	10.944	0.001	87	44863	0.8471	
161 Pyrene	202		11.061					
166 4,4'-DDE	246		11.111					9
165 4,4'-DDD	235		11.490					
168 Butyl benzyl phthalate	149	11.650	11.654	-0.004	80	44634	0.4136	
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.779					
186 Dibenz[a,j]acridine	279		11.804					
172 3,3'-Dimethoxybenzidine	244	12.264	12.269	-0.005	59	19434	0.8729	
175 3,3'-Dichlorobenzidine	252	12.307	12.312	-0.005	57	37773	0.6475	
174 4,4'-Methylene bis(2-chloroanili	231	12.312	12.312	0.0	66	20166	0.4624	
173 Bis(2-ethylhexyl) phthalate	149	12.334	12.333	0.001	93	65161	0.4057	
177 Benzo[a]anthracene	228		12.370					
178 Chrysene	228		12.418					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149	13.237	13.246	-0.009	86	91979	0.4107	
182 Benzo[b]fluoranthene	252		13.887					
183 Benzo[k]fluoranthene	252		13.930					
184 Benzo[a]pyrene	252		14.390					
188 Indeno[1,2,3-cd]pyrene	276		16.142					
189 Dibenz(a,h)anthracene	278		16.169					9
190 Benzo[g,h,i]perylene	276		16.601					
S 191 Methyl Phenols,Total	100				0		1.04	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

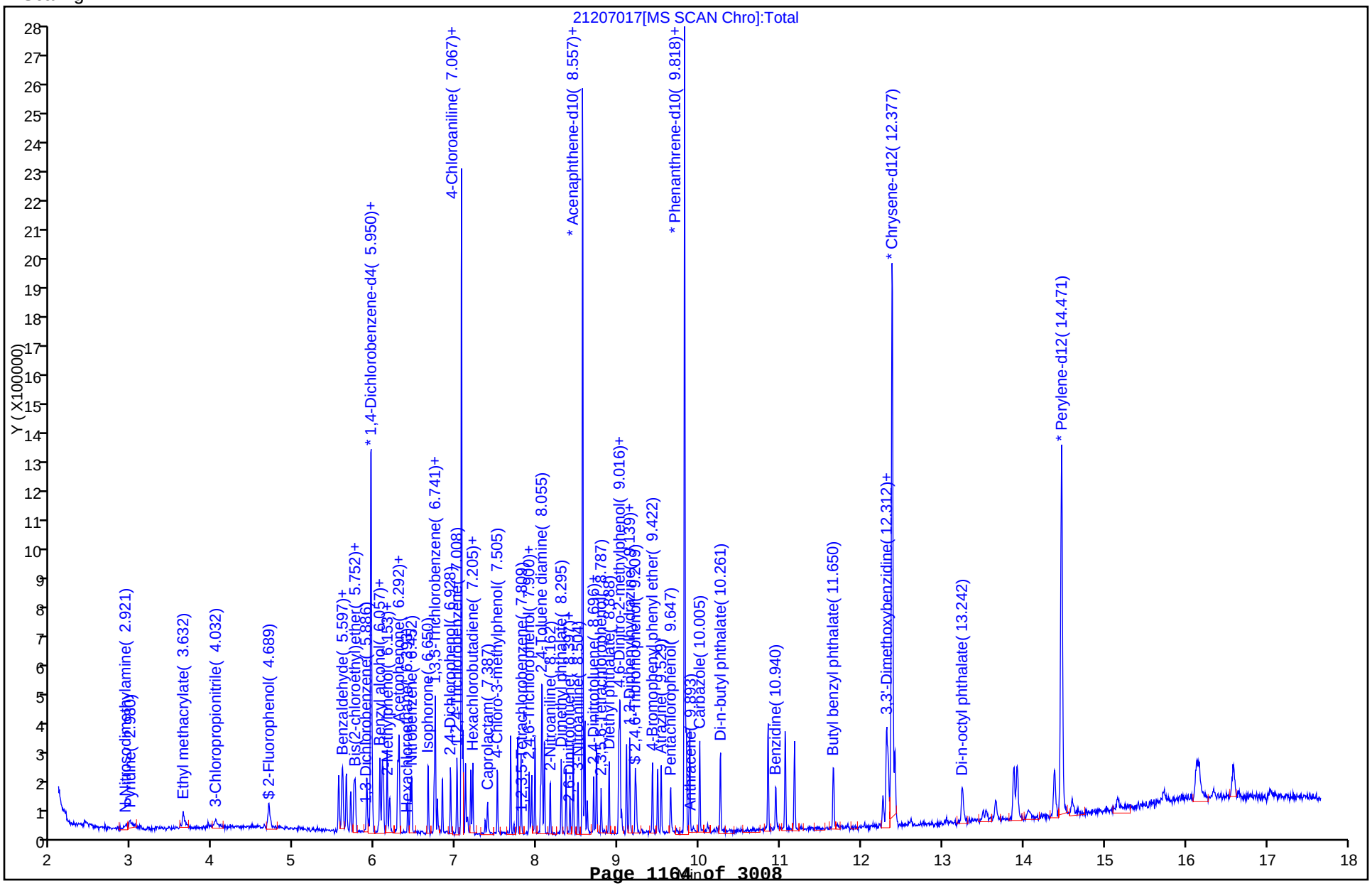
Report Date: 08-Dec-2012 12:38:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207017.D

Injection Date:	07-Dec-2012 19:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

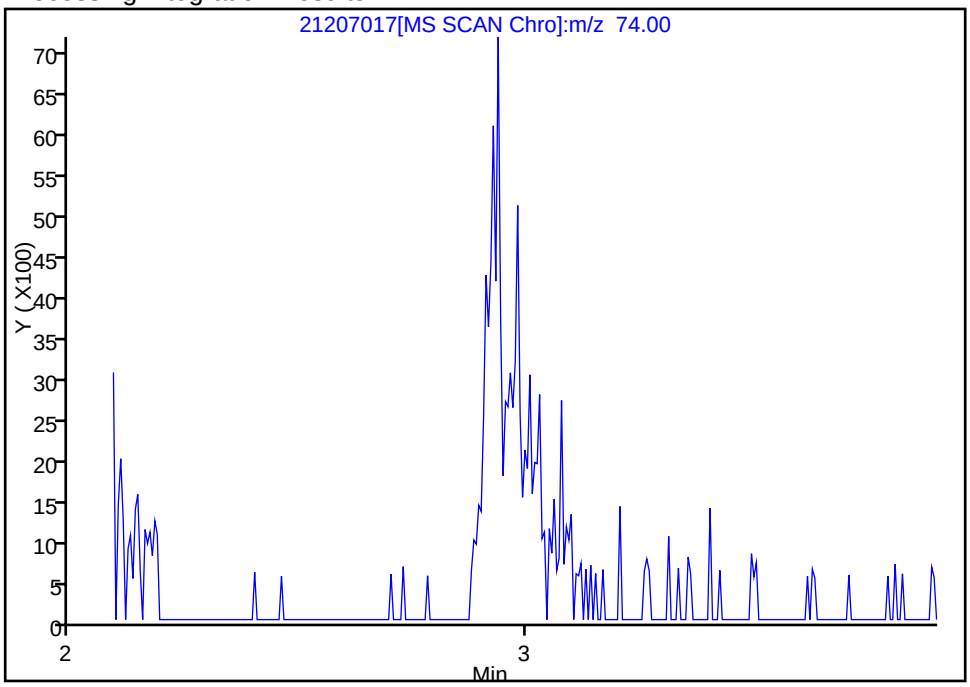
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207017.D		
Injection Date:	07-Dec-2012 19:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 2.90

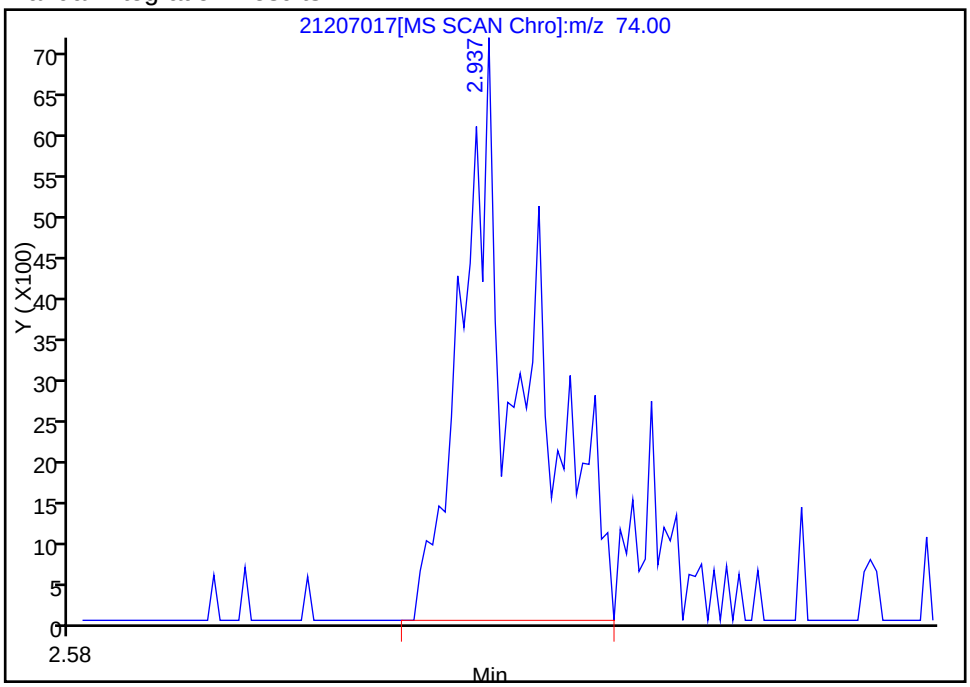
Not Detected
Expected RT: 2.90

Processing Integration Results



Manual Integration Results

RT: 2.94
Response: 26573
Amount: 0.608046



Reviewer: ulmanm, 08-Dec-2012 11:32:18
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

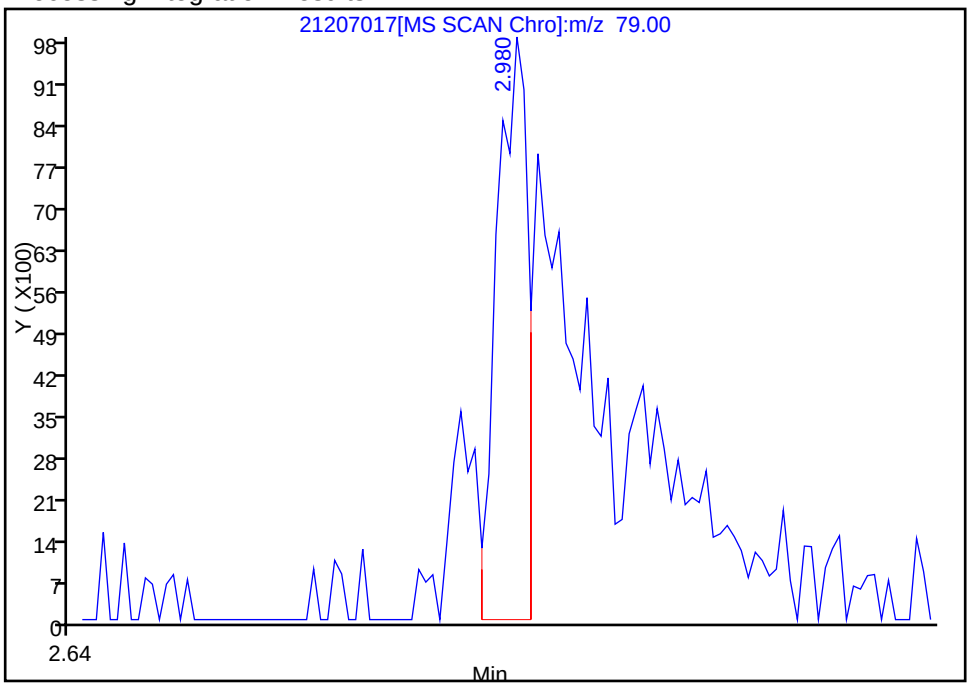
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207017.D		
Injection Date:	07-Dec-2012 19:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 2.95

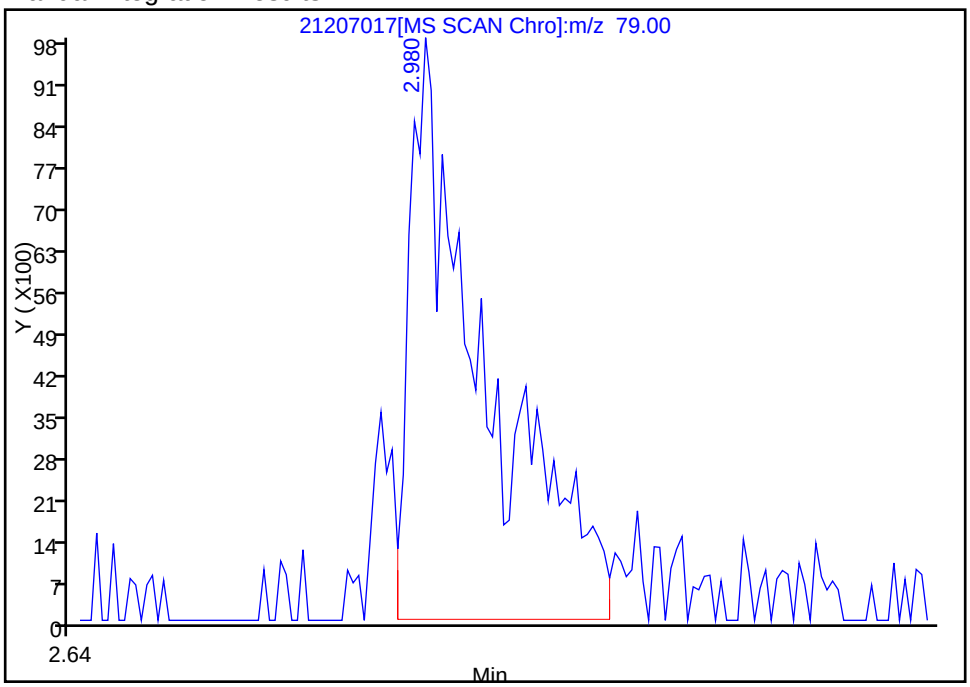
Processing Integration Results

RT: 2.98
Response: 16220
Amount: 0.181885



Manual Integration Results

RT: 2.98
Response: 48039
Amount: 0.538692



Reviewer: ulmanm, 08-Dec-2012 11:32:18
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/07/2012 19:58

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua				2.13	2.00		
1,1'-Biphenyl	Ave	1.445			0.000800	1.00		
1,2,4-Trichlorobenzene	Ave	0.3506			0.000800	1.00		
1,2-Dichlorobenzene	Ave	1.526			0.000800	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346			0.000800	1.00		
1,3-Dichlorobenzene	Ave	1.570			0.000800	1.00		
1,4-Dichlorobenzene	Ave	1.586			0.000800	1.00		
1,4-Dioxane	Ave	0.7764			0.000800	1.00		
2,4,5-Trichlorophenol	Ave	0.3811			0.000800	1.00		
2,4,6-Trichlorophenol	Ave	0.3463			0.000800	1.00		
2,4-Dichlorophenol	Ave	0.2834			0.000800	1.00		
2,4-Dimethylphenol	Ave	0.4935			0.000800	1.00		
2,4-Dinitrotoluene	Ave	0.3626			0.000800	1.00		
2,6-Dinitrotoluene	Ave	0.2702			0.000800	1.00		
2-Chloronaphthalene	Ave	1.103			0.000100	1.00		
2-Chlorophenol	Ave	1.461			0.000800	1.00		
2-Methylnaphthalene	Ave	0.6886			0.000100	1.00		
2-Methylphenol	Ave	1.718			0.000800	1.00		
2-Nitroaniline	Ave	0.5134			0.000800	1.00		
2-Nitrophenol	Ave	0.1757			0.000800	1.00		
3 & 4 Methylphenol	Ave	1.828			0.000800	1.00		
3,3'-Dichlorobenzidine	Qua				0.000800	1.00		
3-Nitroaniline	Ave	0.2907			0.000800	1.00		
4,6-Dinitro-2-methylphenol	Qua				0.00240	1.00		
4-Bromophenyl phenyl ether	Ave	0.2017			0.000800	1.00		
4-Chloro-3-methylphenol	Ave	0.4157			0.000800	1.00		
4-Chlorophenyl phenyl ether	Ave	0.6916			0.000800	1.00		
4-Nitroaniline	Ave	0.3061			0.000800	1.00		
4-Nitrophenol	Ave	0.2139			0.00240	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/07/2012 19:58

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.116			0.000100	1.00		
Acenaphthylene	Ave	1.759			0.000100	1.00		
Acetophenone	Ave	2.653			0.000800	1.00		
Aniline	Ave	3.218			0.00240	1.00		
Anthracene	Ave	1.197			0.000100	1.00		
Atrazine	Ave	0.1759			0.000800	1.00		
Benzaldehyde	Qua				0.000800	1.00		
Benzidine	Qua				0.00240	1.00		
Benzo[a]anthracene	Ave	1.246			0.000100	1.00		
Benzo[a]pyrene	Ave	1.309			0.000100	1.00		
Benzo[b]fluoranthene	Ave	1.387			0.000100	1.00		
Benzo[g,h,i]perylene	Ave	1.208			0.000100	1.00		
Benzo[k]fluoranthene	Ave	1.426			0.000100	1.00		
Benzoic acid	Qua				0.0100	2.00		
Benzyl alcohol	Ave	1.204			0.000800	1.00		
Bis(2-chloroethoxy)methane	Ave	0.6014			0.000800	1.00		
Bis(2-chloroethyl)ether	Ave	1.987			0.000100	1.00		
Bis(2-ethylhexyl) phthalate	Ave	0.8220			0.000800	1.00		
Butyl benzyl phthalate	Ave	0.5524			0.000800	1.00		
Caprolactam	Ave	0.1156			0.000800	1.00		
Carbazole	Ave	1.072			0.000800	1.00		
Chrysene	Ave	1.142			0.000100	1.00		
Dibenz(a,h)anthracene	Ave	1.180			0.000100	1.00		
Dibenzofuran	Ave	1.610			0.000100	1.00		
Diethyl phthalate	Ave	1.286			0.000800	1.00		
Dimethyl phthalate	Ave	1.299			0.000800	1.00		
Di-n-butyl phthalate	Ave	1.317			0.000800	1.00		
Di-n-octyl phthalate	Qua				0.000800	1.00		
Fluoranthene	Ave	1.364			0.000100	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/07/2012 19:58

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluorene	Ave	1.363			0.000100	1.00		
Hexachlorobenzene	Ave	0.2035			0.000100	1.00		
Hexachlorobutadiene	Ave	0.1912			0.000800	1.00		
Hexachlorocyclopentadiene	Ave	0.3216			0.000800	1.00		
Hexachloroethane	Ave	0.7420			0.000800	1.00		
Indeno[1,2,3-cd]pyrene	Ave	1.438			0.000100	1.00		
Isophorone	Ave	1.175			0.000800	1.00		
Naphthalene	Ave	1.099			0.000100	1.00		
Nitrobenzene	Ave	0.6444			0.000100	1.00		
N-Nitrosodimethylamine	Ave	1.020			0.000800	1.00		
N-Nitrosodi-n-propylamine	Ave	1.801			0.000800	1.00		
N-Nitrosodiphenylamine	Ave	0.5526			0.000800	1.00		
Pentachlorophenol	Qua				0.00240	2.00		
Phenanthrene	Ave	1.195			0.000100	1.00		
Phenol	Ave	2.575			0.000800	1.00		
Pyrene	Ave	1.384			0.000100	1.00		
Pyridine	Ave	2.082			0.000800	1.00		
2,4,6-Tribromophenol (Surr)	Ave	0.1549			0.000000	1.00	0*	35-125
2-Fluorobiphenyl (Surr)	Ave	1.328			0.000000	1.00	0*	45-105
2-Fluorophenol (Surr)	Ave	1.574			0.000000	1.00	0*	35-105
Nitrobenzene-d5 (Surr)	Ave	0.6121			0.000000	1.00	0*	35-100
Phenol-d5 (Surr)	Ave	2.273			0.000000	1.00	0*	40-100
Terphenyl-d14 (Surr)	Ave	0.8194			0.000000	1.00	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207018.D
Lims ID: mdll3 Client ID:
Inject. Date: 07-Dec-2012 19:58:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015623-018
Misc. Info.: MDLL3 =MDLL3
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 67729 Lims Sample ID: 18
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 12:38:28 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 08-Dec-2012 11:35:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.946	5.949	-0.003	84	181236	4.00	
* 2 Naphthalene-d8	136	7.062	7.066	-0.004	98	772883	4.00	
* 3 Acenaphthene-d10	164	8.558	8.561	-0.003	63	474754	4.00	
* 4 Phenanthrene-d10	188	9.819	9.817	0.002	77	828278	4.00	
* 5 Chrysene-d12	240	12.378	12.381	-0.003	78	821103	4.00	
* 6 Perylene-d12	264	14.466	14.470	-0.004	80	691003	4.00	
$ 7 2-Fluorophenol	112		4.688					
$ 8 Phenol-d5	99		5.591					
$ 9 Nitrobenzene-d5	82		6.435					
$ 10 2-Fluorobiphenyl (Surr)	172		7.974					
$ 11 2,4,6-Tribromophenol	330		9.224					
$ 12 Terphenyl-d14	244		11.174					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					
25 1,4-Dioxane	88		2.418					
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					9
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
26 N-Nitrosodimethylamine	74		2.899					
27 Pyridine	79		2.947					
37 Ethyl methanesulfonate	79		3.105					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.631					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
29 3-Chloropropionitrile	54		4.021					
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
63 N-Nitrosopiperidine	114		4.254					
33 Malononitrile	66		4.416					9
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77		5.548					
43 Phenol	94		5.602					
44 Aniline	93		5.645					
103 1,4-Naphthoquinone	158		5.680					
69 Bis(2-chloroethyl)ether	93		5.698					
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128		5.751					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146		5.896					
48 1,4-Dichlorobenzene	146		5.965					
49 Benzyl alcohol	108		6.056					
115 Pentachlorobenzene	250		6.091					
50 1,2-Dichlorobenzene	146		6.099					
51 2-Methylphenol	108		6.147					
117 1-Naphthylamine	143		6.166					
53 2,2'-oxybis[1-chloropropane]	45		6.179					
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
21 3 & 4 Methylphenol	108		6.280					
57 N-Nitrosodi-n-propylamine	70		6.291					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105		6.296					
122 Thionazin	97		6.305					
124 N-Nitro-o-toluidine	152		6.358					
127 Tributyl phosphate	99		6.379					9
61 Hexachloroethane	117		6.403					
130 Diphenylamine	169		6.428					
62 Nitrobenzene	77		6.451					
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					9
64 Isophorone	82		6.654					
230 Diallate Peak 2	86		6.695					
66 2-Nitrophenol	139		6.729					
67 1,3,5-Trichlorobenzene	180		6.740					
65 2,4-Dimethylphenol	107		6.745					
140 Dimethoate	87		6.764					9
71 Benzoic acid	122		6.814					
70 Bis(2-chloroethoxy)methane	93		6.831					
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					9
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162		6.932					
146 Disulfoton	88		7.010					9
74 1,2,4-Trichlorobenzene	180		7.012					
147 Dinoseb	211		7.020					
75 Naphthalene	128		7.087					
76 4-Chloroaniline	127		7.114					
79 Hexachlorobutadiene	225		7.183					
80 1,2,3-Trichlorobenzene	180		7.204					
152 Methyl parathion	109		7.282					9
84 Caprolactam	113		7.402					
86 4-Chloro-3-methylphenol	107		7.509					
155 Ethyl Parathion	97		7.560					9
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					9
87 2-Methylnaphthalene	142		7.675					
88 1-Methylnaphthalene	142		7.760					
90 1,2,3,5-Tetrachlorobenzene	216		7.803					
89 Hexachlorocyclopentadiene	237		7.803					
158 Isodrin	66		7.816					9
92 2,4,6-Trichlorophenol	196		7.899					
93 2,4,5-Trichlorophenol	196		7.931					
97 2,4-Toluene diamine	121		8.043					
99 1,2,3,4 -Tetrachlorobenzene	216		8.054					
98 1,1'-Biphenyl	154		8.065					
100 2-Chloronaphthalene	162		8.091					
226 Aramite Peak 1	185		8.131					9
102 2-Nitroaniline	65		8.161					
229 Aramite Peak 2	185		8.185					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163		8.300					
107 2,6-Dinitrotoluene	165		8.358					
108 1,2-Dinitrobenzene	168		8.406					
109 Acenaphthylene	152		8.444					
167 Famphur	218		8.473					
110 3-Nitroaniline	138		8.503					
169 3,3'-Dimethylbenzidine	212		8.516					
112 Acenaphthene	153		8.588					
111 2,4-Dinitrophenol	184	8.590	8.593	-0.003	43	13379	2.13	
113 4-Nitrophenol	109		8.620					
114 2,4-Dinitrotoluene	165		8.700					
171 2-Acetylaminofluorene	181		8.713					
116 Dibenzofuran	168		8.732					
118 2,3,5,6-Tetrachlorophenol	232		8.791					
121 Diethyl phthalate	149		8.887					
123 4-Chlorophenyl phenyl ether	204		9.005					
125 4-Nitroaniline	138		9.021					
126 Fluorene	166		9.021					
128 4,6-Dinitro-2-methylphenol	198		9.042					
131 N-Nitrosodiphenylamine	169		9.101					
133 Azobenzene	77		9.144					
132 1,2-Diphenylhydrazine	77		9.144					
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248		9.421					
141 Hexachlorobenzene	284		9.486					
142 Atrazine	200		9.534					
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266		9.646					
148 Phenanthrene	178		9.838					
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
149 Anthracene	178		9.881					
150 DFTPP								
151 Carbazole	167		10.004					
154 Di-n-butyl phthalate	149		10.260					
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202		10.848					
160 Benzidine	184		10.944					
161 Pyrene	202		11.061					
166 4,4'-DDE	246		11.111					9
165 4,4'-DDD	235		11.490					
168 Butyl benzyl phthalate	149		11.654					
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.779					
186 Dibenz[a,j]acridine	279		11.804					
172 3,3'-Dimethoxybenzidine	244		12.269					
175 3,3'-Dichlorobenzidine	252		12.312					
174 4,4'-Methylene bis(2-chloroanili	231		12.312					
173 Bis(2-ethylhexyl) phthalate	149		12.333					
177 Benzo[a]anthracene	228		12.370					
178 Chrysene	228		12.418					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149		13.246					
182 Benzo[b]fluoranthene	252		13.887					
183 Benzo[k]fluoranthene	252		13.930					
184 Benzo[a]pyrene	252		14.390					
188 Indeno[1,2,3-cd]pyrene	276		16.142					
189 Dibenz(a,h)anthracene	278		16.169					
190 Benzo[g,h,i]perylene	276		16.601					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					
T 195 Hydroquinone TIC	110		0.000					
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

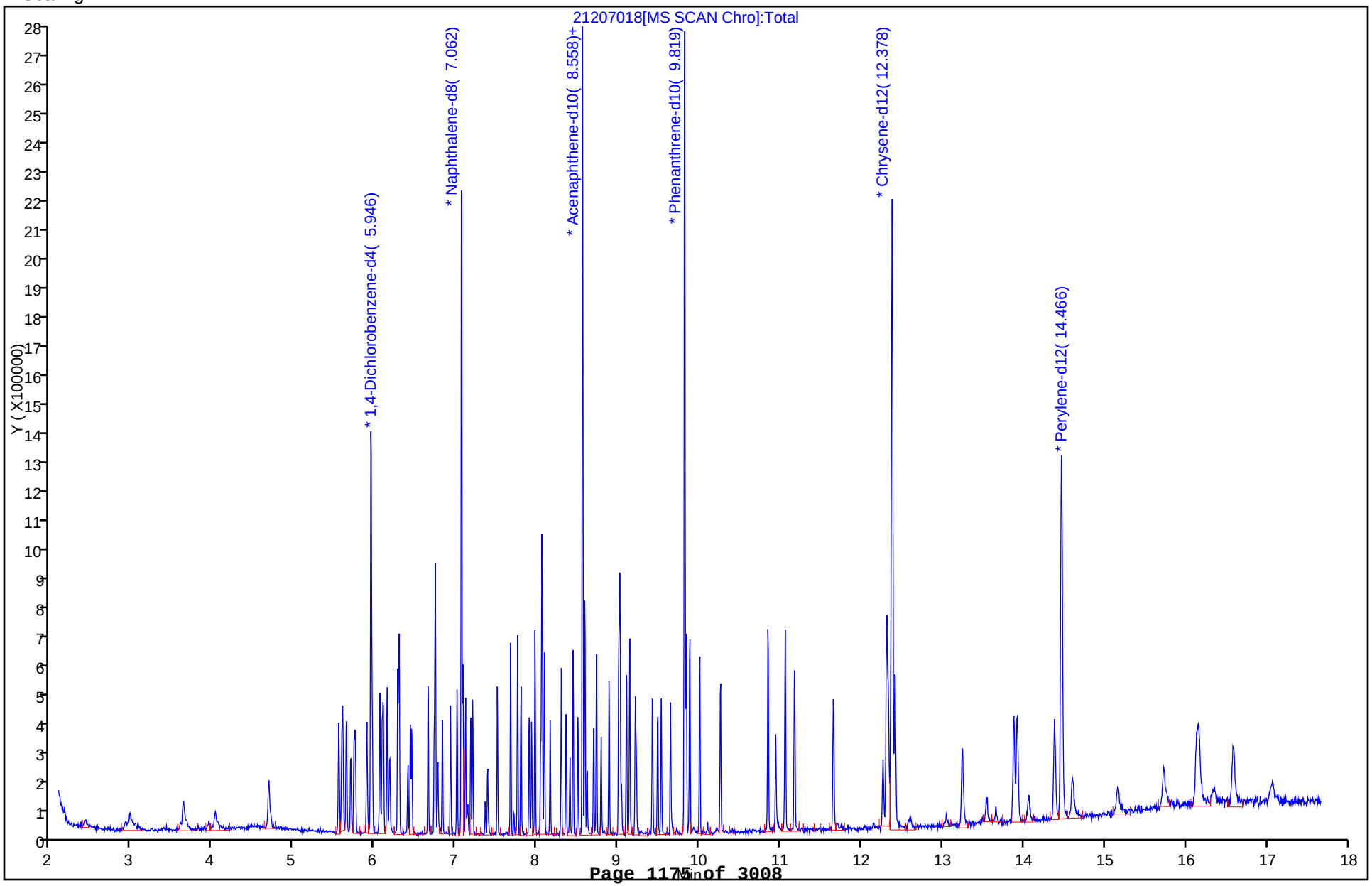
Report Date: 08-Dec-2012 12:38:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207018.D

Injection Date:	07-Dec-2012 19:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 12/07/2012 20:23

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorocyclopentadiene	Ave	0.3216			0.171	2.00		
1,1'-Biphenyl	Ave	1.445			0.000800	2.00		
1,2,4-Trichlorobenzene	Ave	0.3506			0.000800	2.00		
1,2-Dichlorobenzene	Ave	1.526			0.000800	2.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346			0.000800	2.00		
1,3-Dichlorobenzene	Ave	1.570			0.000800	2.00		
1,4-Dichlorobenzene	Ave	1.586			0.000800	2.00		
1,4-Dioxane	Ave	0.7764			0.000800	2.00		
2,4,5-Trichlorophenol	Ave	0.3811			0.000800	2.00		
2,4,6-Trichlorophenol	Ave	0.3463			0.000800	2.00		
2,4-Dichlorophenol	Ave	0.2834			0.000800	2.00		
2,4-Dimethylphenol	Ave	0.4935			0.000800	2.00		
2,4-Dinitrophenol	Qua				0.00240	4.00		
2,4-Dinitrotoluene	Ave	0.3626			0.000800	2.00		
2,6-Dinitrotoluene	Ave	0.2702			0.000800	2.00		
2-Chloronaphthalene	Ave	1.103			0.000100	2.00		
2-Chlorophenol	Ave	1.461			0.000800	2.00		
2-Methylnaphthalene	Ave	0.6886			0.000100	2.00		
2-Methylphenol	Ave	1.718			0.000800	2.00		
2-Nitroaniline	Ave	0.5134			0.000800	2.00		
2-Nitrophenol	Ave	0.1757			0.000800	2.00		
3 & 4 Methylphenol	Ave	1.828			0.000800	2.00		
3,3'-Dichlorobenzidine	Qua				0.000800	2.00		
3-Nitroaniline	Ave	0.2907			0.000800	2.00		
4,6-Dinitro-2-methylphenol	Qua				0.00240	2.00		
4-Bromophenyl phenyl ether	Ave	0.2017			0.000800	2.00		
4-Chloro-3-methylphenol	Ave	0.4157			0.000800	2.00		
4-Chlorophenyl phenyl ether	Ave	0.6916			0.000800	2.00		
4-Nitroaniline	Ave	0.3061			0.000800	2.00		
4-Nitrophenol	Ave	0.2139			0.00240	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 12/07/2012 20:23

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.116			0.000100	2.00		
Acenaphthylene	Ave	1.759			0.000100	2.00		
Acetophenone	Ave	2.653			0.000800	2.00		
Aniline	Ave	3.218			0.00240	2.00		
Anthracene	Ave	1.197			0.000100	2.00		
Atrazine	Ave	0.1759			0.000800	2.00		
Benzaldehyde	Qua				0.000800	2.00		
Benzidine	Qua				0.00240	2.00		
Benzo[a]anthracene	Ave	1.246			0.000100	2.00		
Benzo[a]pyrene	Ave	1.309			0.000100	2.00		
Benzo[b]fluoranthene	Ave	1.387			0.000100	2.00		
Benzo[g,h,i]perylene	Ave	1.208			0.000100	2.00		
Benzo[k]fluoranthene	Ave	1.426			0.000100	2.00		
Benzoic acid	Qua				0.0100	4.00		
Benzyl alcohol	Ave	1.204			0.000800	2.00		
Bis(2-chloroethoxy)methane	Ave	0.6014			0.000800	2.00		
Bis(2-chloroethyl)ether	Ave	1.987			0.000100	2.00		
Bis(2-ethylhexyl) phthalate	Ave	0.8220			0.000800	2.00		
Butyl benzyl phthalate	Ave	0.5524			0.000800	2.00		
Caprolactam	Ave	0.1156			0.000800	2.00		
Carbazole	Ave	1.072			0.000800	2.00		
Chrysene	Ave	1.142			0.000100	2.00		
Dibenz(a,h)anthracene	Ave	1.180			0.000100	2.00		
Dibenzofuran	Ave	1.610			0.000100	2.00		
Diethyl phthalate	Ave	1.286			0.000800	2.00		
Dimethyl phthalate	Ave	1.299			0.000800	2.00		
Di-n-butyl phthalate	Ave	1.317			0.000800	2.00		
Di-n-octyl phthalate	Qua				0.000800	2.00		
Fluoranthene	Ave	1.364			0.000100	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 12/07/2012 20:23

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21207019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluorene	Ave	1.363			0.000100	2.00		
Hexachlorobenzene	Ave	0.2035			0.000100	2.00		
Hexachlorobutadiene	Ave	0.1912			0.000080	2.00		
Hexachloroethane	Ave	0.7420			0.000080	2.00		
Indeno[1,2,3-cd]pyrene	Ave	1.438			0.000100	2.00		
Isophorone	Ave	1.175			0.000080	2.00		
Naphthalene	Ave	1.099			0.000100	2.00		
Nitrobenzene	Ave	0.6444			0.000100	2.00		
N-Nitrosodimethylamine	Ave	1.020			0.000080	2.00		
N-Nitrosodi-n-propylamine	Ave	1.801			0.000080	2.00		
N-Nitrosodiphenylamine	Ave	0.5526			0.000080	2.00		
Pentachlorophenol	Qua				0.00240	4.00		
Phenanthrene	Ave	1.195			0.000100	2.00		
Phenol	Ave	2.575			0.000080	2.00		
Pyrene	Ave	1.384			0.000100	2.00		
Pyridine	Ave	2.082			0.000080	2.00		
2,4,6-Tribromophenol (Surr)	Ave	0.1549			0.000000	2.00	0*	35-125
2-Fluorobiphenyl (Surr)	Ave	1.328			0.000000	2.00	0*	45-105
2-Fluorophenol (Surr)	Ave	1.574			0.000000	2.00	0*	35-105
Nitrobenzene-d5 (Surr)	Ave	0.6121			0.000000	2.00	0*	35-100
Phenol-d5 (Surr)	Ave	2.273			0.000000	2.00	0*	40-100
Terphenyl-d14 (Surr)	Ave	0.8194			0.000000	2.00	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207019.D
Lims ID: mdll4 Client ID:
Inject. Date: 07-Dec-2012 20:23:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015623-019
Misc. Info.: MDLL4 =MDLL4
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 67729 Lims Sample ID: 19
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 12:38:28 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 08-Dec-2012 11:37:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.946	5.949	-0.003	85	166161	4.00	
* 2 Naphthalene-d8	136	7.062	7.066	-0.004	97	671525	4.00	
* 3 Acenaphthene-d10	164	8.558	8.561	-0.003	63	420344	4.00	
* 4 Phenanthrene-d10	188	9.819	9.817	0.002	78	725578	4.00	
* 5 Chrysene-d12	240	12.378	12.381	-0.003	75	734954	4.00	
* 6 Perylene-d12	264	14.467	14.470	-0.003	77	605386	4.00	
$ 7 2-Fluorophenol	112		4.688					
$ 8 Phenol-d5	99		5.591					
$ 9 Nitrobenzene-d5	82		6.435					
$ 10 2-Fluorobiphenyl (Surr)	172		7.974					
$ 11 2,4,6-Tribromophenol	330		9.224					
$ 12 Terphenyl-d14	244		11.174					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					
32 N-Nitrosomethylethylamine	88		2.374					
25 1,4-Dioxane	88		2.418					
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
26 N-Nitrosodimethylamine	74		2.899					
27 Pyridine	79		2.947					
37 Ethyl methanesulfonate	79		3.105					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.631					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
29 3-Chloropropionitrile	54		4.021					
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
63 N-Nitrosopiperidine	114		4.254					
33 Malononitrile	66		4.416					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77		5.548					
43 Phenol	94		5.602					
44 Aniline	93		5.645					
103 1,4-Naphthoquinone	158		5.680					
69 Bis(2-chloroethyl)ether	93		5.698					
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128		5.751					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146		5.896					
48 1,4-Dichlorobenzene	146		5.965					
49 Benzyl alcohol	108		6.056					
115 Pentachlorobenzene	250		6.091					
50 1,2-Dichlorobenzene	146		6.099					
51 2-Methylphenol	108		6.147					
117 1-Naphthylamine	143		6.166					
53 2,2'-oxybis[1-chloropropane]	45		6.179					
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
21 3 & 4 Methylphenol	108		6.280					
57 N-Nitrosodi-n-propylamine	70		6.291					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105		6.296					
122 Thionazin	97		6.305					
124 N-Nitro-o-toluidine	152		6.358					
127 Tributyl phosphate	99		6.379					9
61 Hexachloroethane	117		6.403					
130 Diphenylamine	169		6.428					9
62 Nitrobenzene	77		6.451					
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					9
64 Isophorone	82		6.654					
230 Diallate Peak 2	86		6.695					
66 2-Nitrophenol	139		6.729					
67 1,3,5-Trichlorobenzene	180		6.740					
65 2,4-Dimethylphenol	107		6.745					
140 Dimethoate	87		6.764					9
71 Benzoic acid	122		6.814					
70 Bis(2-chloroethoxy)methane	93		6.831					
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					9
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162		6.932					
146 Disulfoton	88		7.010					
74 1,2,4-Trichlorobenzene	180		7.012					
147 Dinoseb	211		7.020					
75 Naphthalene	128		7.087					
76 4-Chloroaniline	127		7.114					
79 Hexachlorobutadiene	225		7.183					
80 1,2,3-Trichlorobenzene	180		7.204					
152 Methyl parathion	109		7.282					9
84 Caprolactam	113		7.402					
86 4-Chloro-3-methylphenol	107		7.509					
155 Ethyl Parathion	97		7.560					9
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142		7.675					
88 1-Methylnaphthalene	142		7.760					
90 1,2,3,5-Tetrachlorobenzene	216		7.803					
89 Hexachlorocyclopentadiene	237	7.800	7.803	-0.003	26	5768	0.1707	
158 Isodrin	66		7.816					9
92 2,4,6-Trichlorophenol	196		7.899					
93 2,4,5-Trichlorophenol	196		7.931					
97 2,4-Toluene diamine	121		8.043					
99 1,2,3,4 -Tetrachlorobenzene	216		8.054					
98 1,1'-Biphenyl	154		8.065					
100 2-Chloronaphthalene	162		8.091					
226 Aramite Peak 1	185		8.131					9
102 2-Nitroaniline	65		8.161					
229 Aramite Peak 2	185		8.185					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163		8.300					
107 2,6-Dinitrotoluene	165		8.358					
108 1,2-Dinitrobenzene	168		8.406					
109 Acenaphthylene	152		8.444					
167 Famphur	218		8.473					
110 3-Nitroaniline	138		8.503					
169 3,3'-Dimethylbenzidine	212		8.516					
112 Acenaphthene	153		8.588					
111 2,4-Dinitrophenol	184		8.593					
113 4-Nitrophenol	109		8.620					
114 2,4-Dinitrotoluene	165		8.700					
171 2-Acetylaminofluorene	181		8.713					
116 Dibenzofuran	168		8.732					
118 2,3,5,6-Tetrachlorophenol	232		8.791					
121 Diethyl phthalate	149		8.887					
123 4-Chlorophenyl phenyl ether	204		9.005					
125 4-Nitroaniline	138		9.021					
126 Fluorene	166		9.021					
128 4,6-Dinitro-2-methylphenol	198		9.042					
131 N-Nitrosodiphenylamine	169		9.101					
133 Azobenzene	77		9.144					
132 1,2-Diphenylhydrazine	77		9.144					
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248		9.421					
141 Hexachlorobenzene	284		9.486					
142 Atrazine	200		9.534					
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266		9.646					
148 Phenanthrene	178		9.838					
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
149 Anthracene	178		9.881					
150 DFTPP								
151 Carbazole	167		10.004					
154 Di-n-butyl phthalate	149		10.260					
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202		10.848					
160 Benzidine	184		10.944					
161 Pyrene	202		11.061					
166 4,4'-DDE	246		11.111					9
165 4,4'-DDD	235		11.490					
168 Butyl benzyl phthalate	149		11.654					
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.779					
186 Dibenz[a,j]acridine	279		11.804					
172 3,3'-Dimethoxybenzidine	244		12.269					
175 3,3'-Dichlorobenzidine	252		12.312					
174 4,4'-Methylene bis(2-chloroanili	231		12.312					
173 Bis(2-ethylhexyl) phthalate	149		12.333					
177 Benzo[a]anthracene	228		12.370					
178 Chrysene	228		12.418					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149		13.246					
182 Benzo[b]fluoranthene	252		13.887					
183 Benzo[k]fluoranthene	252		13.930					
184 Benzo[a]pyrene	252		14.390					
188 Indeno[1,2,3-cd]pyrene	276		16.142					
189 Dibenz(a,h)anthracene	278		16.169					9
190 Benzo[g,h,i]perylene	276		16.601					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

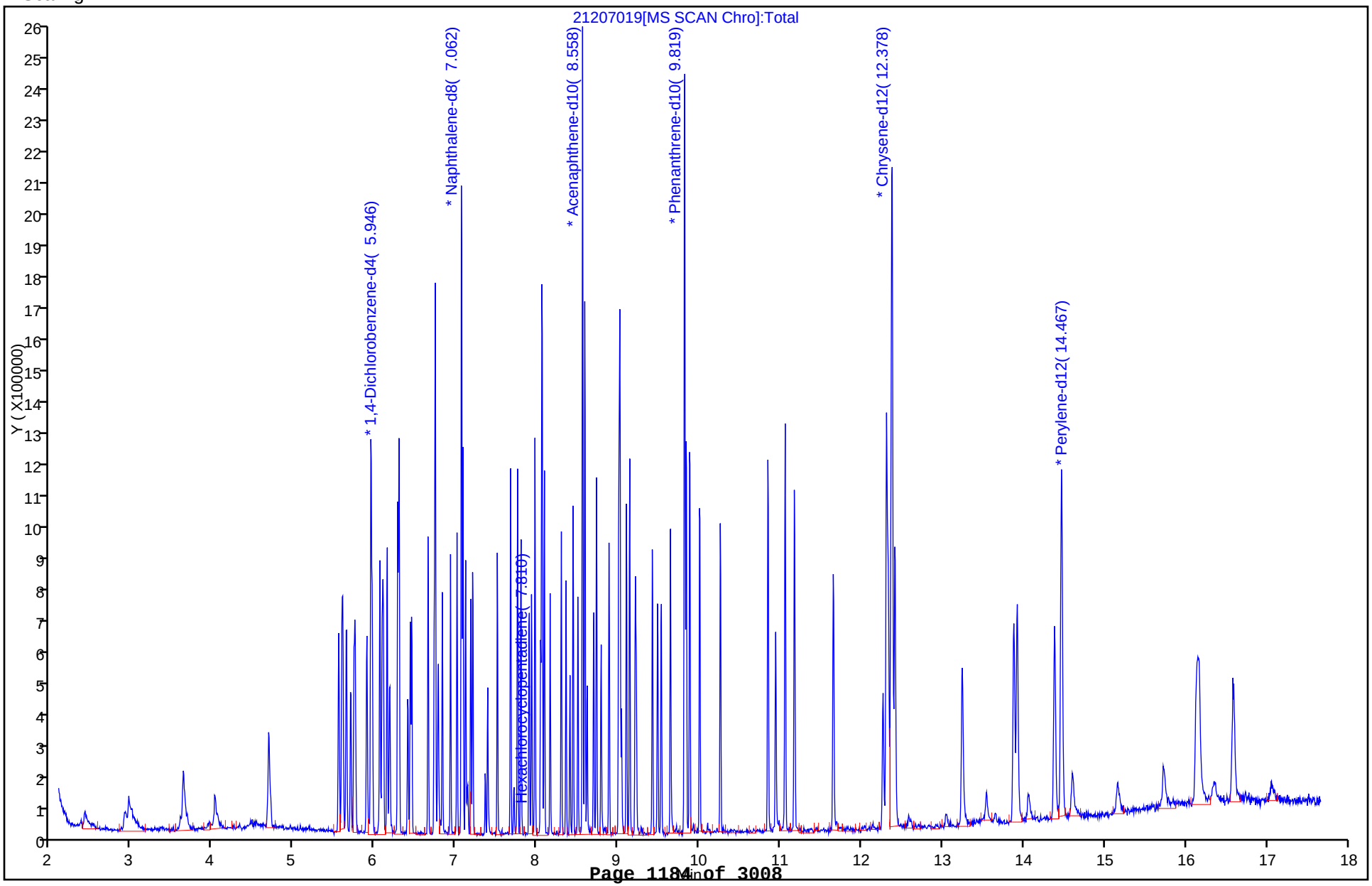
Report Date: 08-Dec-2012 12:38:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207019.D

Injection Date:	07-Dec-2012 20:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	14-Nov-2012 11:15:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0014932-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	64921	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\8270 _9.m		
Last Update:	15-Nov-2012 07:40:11	Calib Date:	14-Nov-2012 14:12:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK015		
First Level Reviewer: ulmanm		Date:	14-Nov-2012 11:51:56

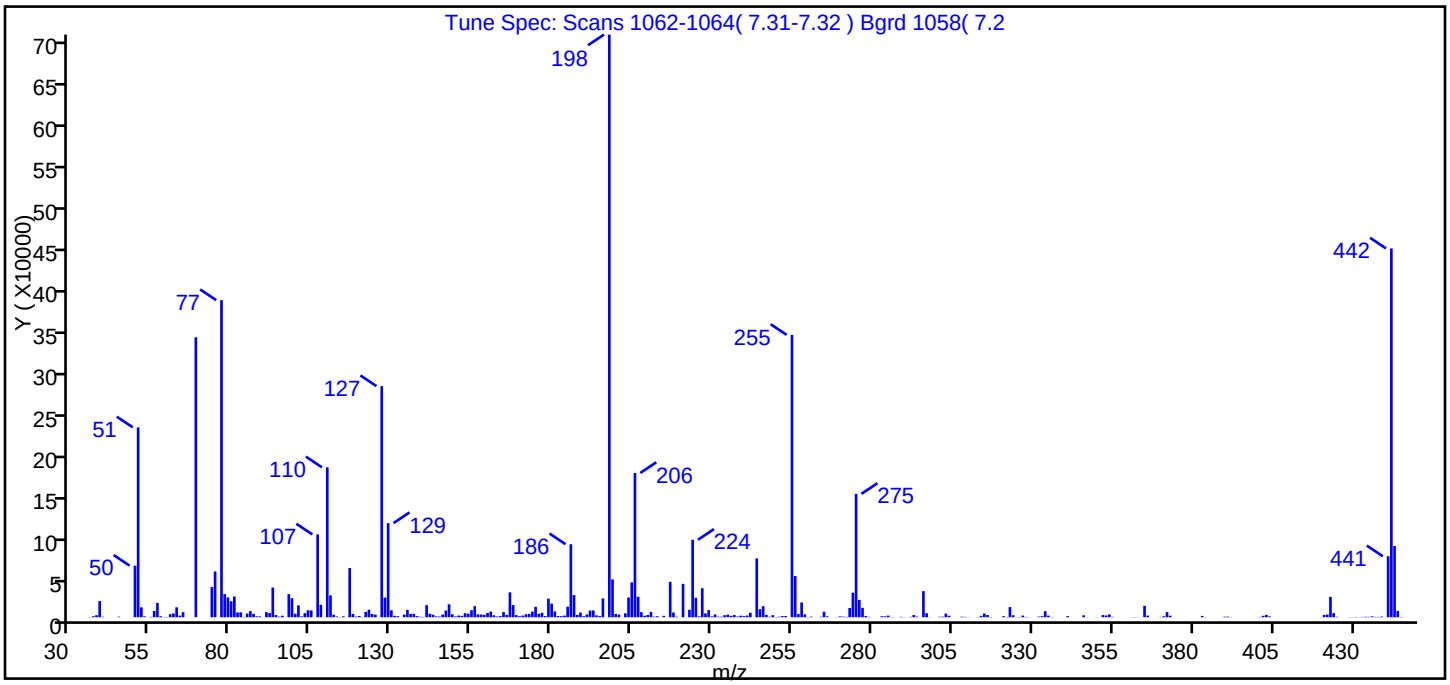
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	7.027	7.027	0.0	81	732719	0	
150 DFTPP								
160 Benzidine	184	8.122	8.122	0.0	99	4044560	0	
166 4,4'-DDE	246	8.255	8.255	0.0	4	2417	0	
165 4,4'-DDD	235	8.533	8.533	0.0	81	25777	0	
170 4,4'-DDT	235	8.731	8.731	0.0	97	2117995	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114001.D		
Injection Date:	14-Nov-2012 11:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	32.59
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	48.05
70	Less than 2.00% of mass 69	0.00 (0.00)
127	25.00 - 75.00% of mass 198	39.67
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.49
275	10.00 - 30.00% of mass 198	21.18
365	Greater than 0.75% of mass 198	1.96
441	Present, but less than mass 443%	10.47 (85.55)
442	40.00 - 110.00% of mass 198	63.30
443	15.00 - 24.00% of mass 442	12.23 (19.33)

Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114001.D\8270 _9.rslt\spectra.d
Injection Date: 14-Nov-2012 11:15:30
Spectrum: Tune Spec: Scans 1062-1064(7.31-7.32) Bgrd 1058(7.2
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	289	132.00	1277	209.00	1824	301.00	586
37.00	1261	134.00	3254	210.00	2692	302.00	701
38.00	2477	135.00	8900	211.00	6429	303.00	4445
39.00	19568	136.00	4000	212.00	736	304.00	1809
40.00	656	137.00	4225	213.00	1242	308.00	691
45.00	705	138.00	1383	215.00	1739	309.00	468
50.00	62200	139.00	635	217.00	42792	310.00	241
51.00	229056	140.00	400	218.00	5699	313.00	366
52.00	11993	141.00	14544	219.00	663	314.00	1668
53.00	1057	142.00	4252	221.00	40216	315.00	4520
54.00	40	143.00	3019	223.00	9110	316.00	2688
55.00	475	144.00	1072	224.00	93504	317.00	369
56.00	7614	145.00	873	225.00	23480	321.00	1297
57.00	17392	146.00	3250	226.00	1106	322.00	392
58.00	1304	147.00	8121	227.00	34984	323.00	12266
59.00	257	148.00	15618	228.00	4649	324.00	2416
60.00	304	149.00	3567	229.00	8652	325.00	203
61.00	3744	150.00	999	230.00	1052	326.00	280
62.00	4551	151.00	2024	231.00	3424	327.00	2038
63.00	12012	152.00	1693	232.00	670	328.00	480
64.00	1973	153.00	4930	233.00	680	329.00	192
65.00	6045	154.00	4299	234.00	2486	332.00	765
69.00	337728	155.00	8520	235.00	3205	333.00	1296
74.00	36456	156.00	13290	236.00	1739	334.00	7290
75.00	55256	157.00	3448	237.00	2754	335.00	1955
77.00	382592	158.00	3340	238.00	869	336.00	327
78.00	27976	159.00	2976	239.00	1884	341.00	1420
79.00	23920	160.00	5169	240.00	1366	346.00	2334
80.00	19280	161.00	6860	241.00	2059	347.00	194
81.00	25056	162.00	2373	242.00	5370	350.00	194
82.00	5807	163.00	955	244.00	70992	352.00	2661
83.00	5924	164.00	1329	245.00	9673	353.00	2187
84.00	389	165.00	6230	246.00	13381	354.00	3368

Report Date: 15-Nov-2012 07:40:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114001.D\8270 _9.rslt\spectra.d
Injection Date: 14-Nov-2012 11:15:30
Spectrum: Tune Spec: Scans 1062-1064(7.31-7.32) Bgrd 1058(7.2
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	4478	166.00	2886	247.00	2943	355.00	542
86.00	7339	167.00	30088	248.00	616	361.00	227
87.00	4101	168.00	14703	249.00	2484	362.00	245
88.00	1124	169.00	2614	250.00	278	363.00	170
89.00	1042	170.00	1262	251.00	655	365.00	13791
91.00	6214	171.00	2046	252.00	1436	366.00	1947
92.00	5175	172.00	3545	253.00	1526	370.00	389
93.00	35832	173.00	4088	255.00	340608	371.00	1259
94.00	2645	174.00	6930	256.00	49704	372.00	6198
95.00	703	175.00	12568	257.00	3765	373.00	1875
96.00	1841	176.00	4160	258.00	17840	383.00	1641
98.00	27936	177.00	5346	259.00	3525	384.00	193
99.00	22944	178.00	1428	260.00	316	390.00	690
100.00	4228	179.00	22440	261.00	763	391.00	812
101.00	14313	180.00	16464	264.00	596	392.00	269
102.00	1057	181.00	7062	265.00	6741	401.00	426
103.00	4869	182.00	1493	266.00	1101	402.00	1761
104.00	8392	183.00	1337	269.00	169	403.00	2876
105.00	8254	184.00	1933	270.00	1031	404.00	1036
107.00	99928	185.00	12719	271.00	702	420.00	183
108.00	15027	186.00	88144	272.00	509	421.00	2856
110.00	180864	187.00	26760	273.00	11200	422.00	3265
111.00	26424	188.00	2731	274.00	29656	423.00	24576
112.00	3021	189.00	5613	275.00	148864	424.00	5008
113.00	903	190.00	1236	276.00	20936	425.00	583
114.00	255	191.00	3418	277.00	11309	429.00	216
115.00	1127	192.00	8052	278.00	1577	430.00	182
117.00	59448	193.00	8220	279.00	498	431.00	422
118.00	4006	194.00	2321	283.00	1214	432.00	185
119.00	892	195.00	1431	284.00	1132	433.00	377
120.00	1457	196.00	22672	285.00	2003	434.00	625
121.00	237	198.00	702912	286.00	215	435.00	531
122.00	6539	199.00	45648	287.00	189	436.00	1080
123.00	9115	200.00	3904	289.00	538	437.00	467

Report Date: 15-Nov-2012 07:40:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114001.D\8270 _9.rslt\spectra.d
Injection Date: 14-Nov-2012 11:15:30
Spectrum: Tune Spec: Scans 1062-1064(7.31-7.32) Bgrd 1058(7.2
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 296

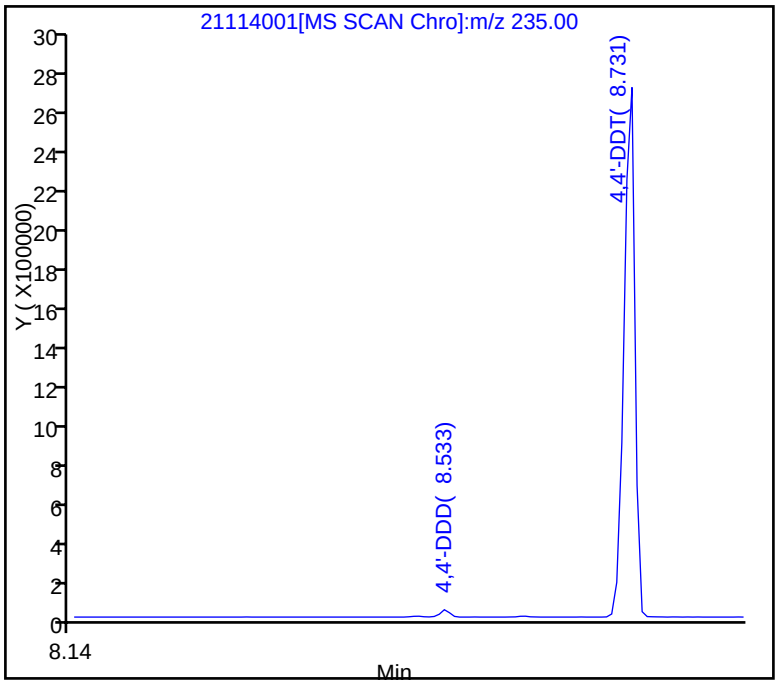
m/z	Y	m/z	Y	m/z	Y	m/z	Y
124.00	3904	201.00	3273	290.00	208	438.00	397
125.00	3183	203.00	4752	292.00	515	439.00	815
127.00	278848	204.00	23808	293.00	2710	441.00	73576
128.00	23736	205.00	42104	294.00	818	442.00	444928
129.00	113584	206.00	174080	296.00	31496	443.00	86000
130.00	8400	207.00	24736	297.00	4837	444.00	7681
131.00	1740	208.00	6148	298.00	203	445.00	345

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114001.D		
Injection Date:	14-Nov-2012 11:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 2117995
165 4,4'-DDD, Area = 25777
166 4,4'-DDE, Area = 2417

%Breakdown: 1.31%, Max Limit: 20.00%
Passed

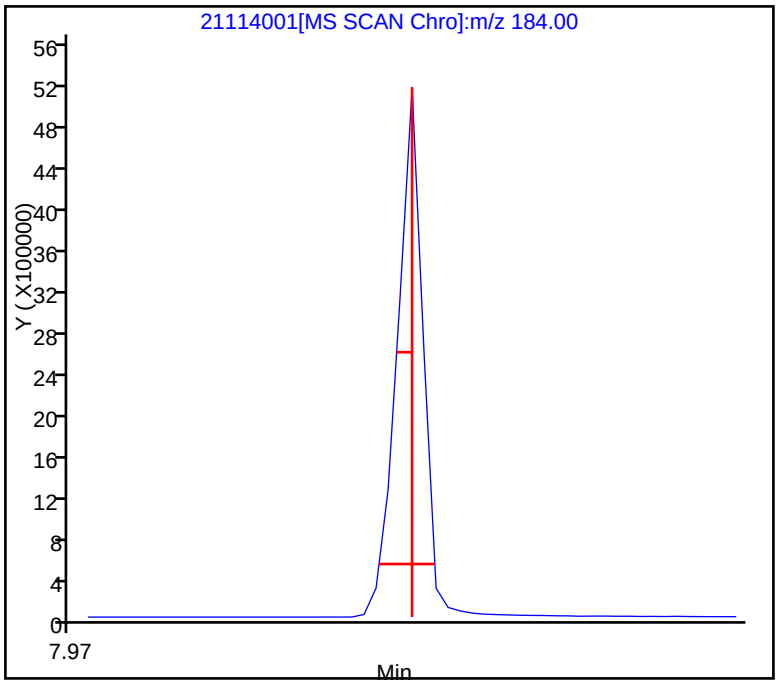
Report Date: 15-Nov-2012 07:40:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114001.D		
Injection Date:	14-Nov-2012 11:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

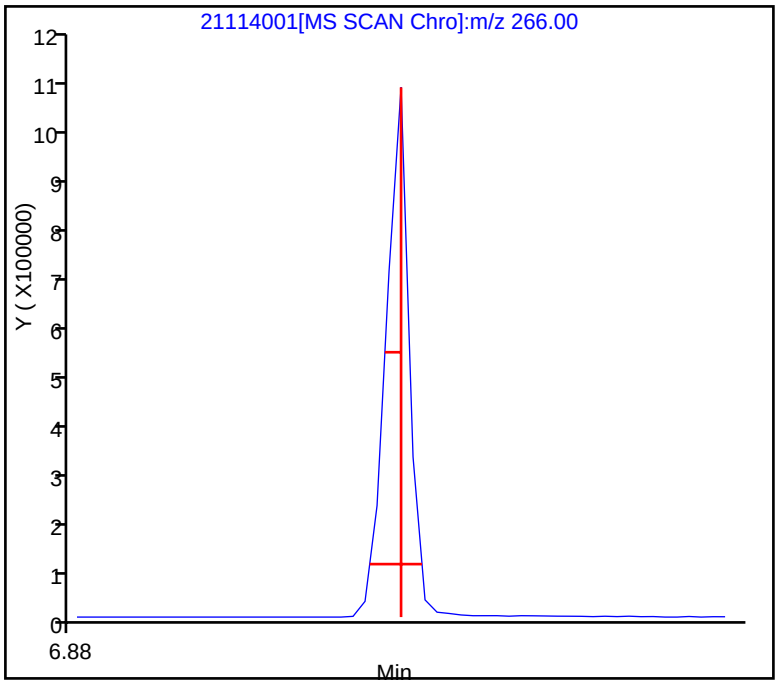
Tailing Factor = 0.7, Max. Tailing < 3.00
Passed

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121114-14932.b\21114001.D		
Injection Date:	14-Nov-2012 11:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	64921	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.009 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	16-Nov-2012 09:20:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015012-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	65294	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m		
Last Update:	17-Nov-2012 12:48:06	Calib Date:	15-Nov-2012 10:19:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	CORP-CTX-18		
First Level Reviewer: ulmanm		Date:	16-Nov-2012 10:02:02

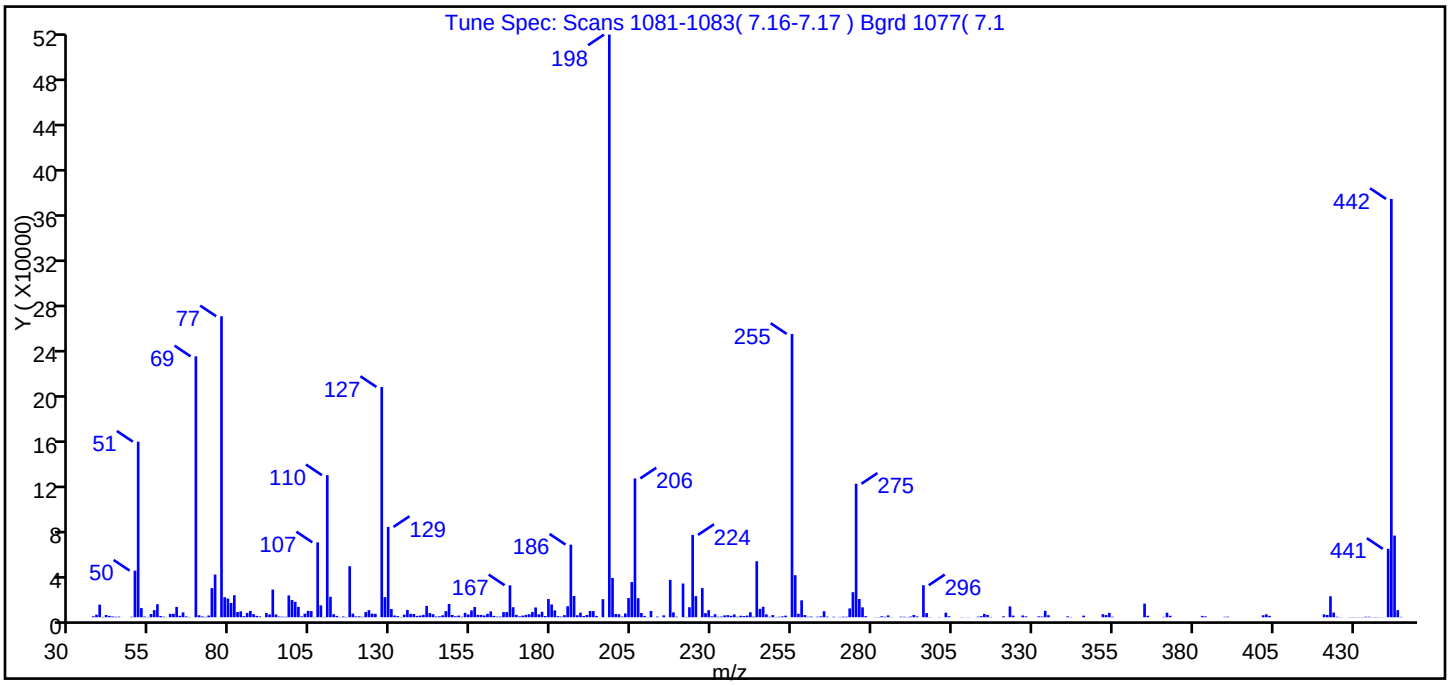
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	6.874	6.874	0.0	85	507710	0	
150 DFTPP								
160 Benzidine	184	7.969	7.969	0.0	98	2980883	0	
166 4,4'-DDE	246	8.097	8.097	0.0	1	1773	0	
165 4,4'-DDD	235	8.375	8.375	0.0	70	20384	0	
170 4,4'-DDT	235	8.578	8.578	0.0	96	1664219	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116001.D		
Injection Date:	16-Nov-2012 09:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	30.14
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	44.78
70	Less than 2.00% of mass 69	0.34 (0.76)
127	25.00 - 75.00% of mass 198	39.53
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.75
275	10.00 - 30.00% of mass 198	22.91
365	Greater than 0.75% of mass 198	2.34
441	Present, but less than mass 443%	11.74 (83.80)
442	40.00 - 110.00% of mass 198	71.79
443	15.00 - 24.00% of mass 442	14.01 (19.52)

Report Date: 17-Nov-2012 12:48:06 Chrom Revision: 2.0 15-Nov-2012 14:43:54

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116001.D\8270 _9.rslt\spectra.d
Injection Date: 16-Nov-2012 09:20:30
Spectrum: Tune Spec: Scans 1081-1083(7.16-7.17) Bgrd 1077(7.1
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	882	118.00	3192	194.00	1198	282.00	184
38.00	2251	119.00	763	196.00	15942	283.00	908
39.00	11153	120.00	839	198.00	513920	284.00	437
40.00	280	121.00	374	199.00	34680	285.00	1672
41.00	2017	122.00	4569	200.00	2855	286.00	175
42.00	1244	123.00	6254	201.00	2610	289.00	521
43.00	732	124.00	3174	202.00	608	290.00	424
44.00	448	125.00	3043	203.00	3334	291.00	216
45.00	551	127.00	203136	204.00	16952	292.00	618
49.00	450	128.00	17744	205.00	31072	293.00	2044
50.00	41112	129.00	79696	206.00	122448	294.00	753
51.00	154880	130.00	7227	207.00	16864	296.00	28232
52.00	8082	131.00	1524	208.00	3756	297.00	3635
53.00	633	132.00	1044	209.00	1207	298.00	222
54.00	210	133.00	238	210.00	170	301.00	201
55.00	2864	134.00	2310	211.00	5623	303.00	4011
56.00	6268	135.00	6445	213.00	602	304.00	871
57.00	11509	136.00	3047	215.00	1681	308.00	225
58.00	1069	137.00	2930	217.00	32960	310.00	181
59.00	528	138.00	1223	218.00	4303	313.00	469
60.00	96	139.00	1463	219.00	515	314.00	1003
61.00	3026	140.00	2138	221.00	29776	315.00	2961
62.00	3047	141.00	10026	222.00	248	316.00	2090
63.00	9133	142.00	3724	223.00	8836	317.00	223
64.00	1297	143.00	2725	224.00	72616	321.00	847
65.00	4313	144.00	660	225.00	18624	323.00	9590
66.00	754	145.00	866	227.00	25736	324.00	1434
67.00	210	146.00	1749	228.00	3635	327.00	1591
69.00	230144	147.00	5377	229.00	6199	328.00	783
70.00	1742	148.00	11676	230.00	831	332.00	790
71.00	745	149.00	2006	231.00	2673	333.00	660
72.00	355	150.00	898	232.00	444	334.00	5682
73.00	1516	151.00	1496	233.00	623	335.00	1812

Report Date: 17-Nov-2012 12:48:06 Chrom Revision: 2.0 15-Nov-2012 14:43:54
Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116001.D\8270 _9.rslt\spectra.d
Injection Date: 16-Nov-2012 09:20:30
Spectrum: Tune Spec: Scans 1081-1083(7.16-7.17) Bgrd 1077(7.1
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	25664	152.00	502	234.00	1682	341.00	813
75.00	37688	153.00	3893	235.00	1871	342.00	281
77.00	265472	154.00	2429	236.00	1315	346.00	1415
78.00	17712	155.00	6068	237.00	2454	352.00	2698
79.00	16464	156.00	9024	238.00	472	353.00	1937
80.00	12623	157.00	2128	239.00	1314	354.00	3911
81.00	19472	158.00	2088	240.00	1051	355.00	489
82.00	4592	159.00	1587	241.00	1514	365.00	12014
83.00	5186	160.00	3022	242.00	4409	366.00	1297
84.00	959	161.00	5158	243.00	509	371.00	343
85.00	3802	162.00	1225	244.00	49392	372.00	4033
86.00	5561	163.00	592	245.00	7408	373.00	1333
87.00	2736	164.00	578	246.00	9266	383.00	1213
88.00	1213	165.00	4547	247.00	2537	384.00	746
89.00	698	166.00	4543	248.00	457	390.00	425
91.00	3806	167.00	28240	249.00	1940	391.00	556
92.00	2435	168.00	8845	250.00	262	402.00	1779
93.00	24416	169.00	2144	251.00	508	403.00	2599
94.00	2426	170.00	812	252.00	752	404.00	1214
95.00	634	171.00	1498	253.00	1402	421.00	2534
96.00	494	172.00	2092	255.00	249920	422.00	2012
97.00	449	173.00	2640	256.00	37120	423.00	18472
98.00	19240	174.00	4591	257.00	3076	424.00	4108
99.00	15261	175.00	8630	258.00	14966	425.00	479
100.00	13597	176.00	2545	259.00	1954	426.00	204
101.00	9181	177.00	4856	260.00	414	429.00	184
102.00	776	178.00	1109	261.00	600	430.00	218
103.00	3175	179.00	16076	263.00	497	431.00	171
104.00	5602	180.00	11267	264.00	794	432.00	186
105.00	5470	181.00	6074	265.00	5317	433.00	215
106.00	173	182.00	960	266.00	557	434.00	447
107.00	66088	183.00	588	268.00	437	435.00	475
108.00	10468	184.00	1909	270.00	331	436.00	167
109.00	200	185.00	9729	271.00	515	437.00	221

Report Date: 17-Nov-2012 12:48:06 Chrom Revision: 2.0 15-Nov-2012 14:43:54
Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116001.D\8270 _9.rslt\spectra.d
Injection Date: 16-Nov-2012 09:20:30
Spectrum: Tune Spec: Scans 1081-1083(7.16-7.17) Bgrd 1077(7.1
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 299

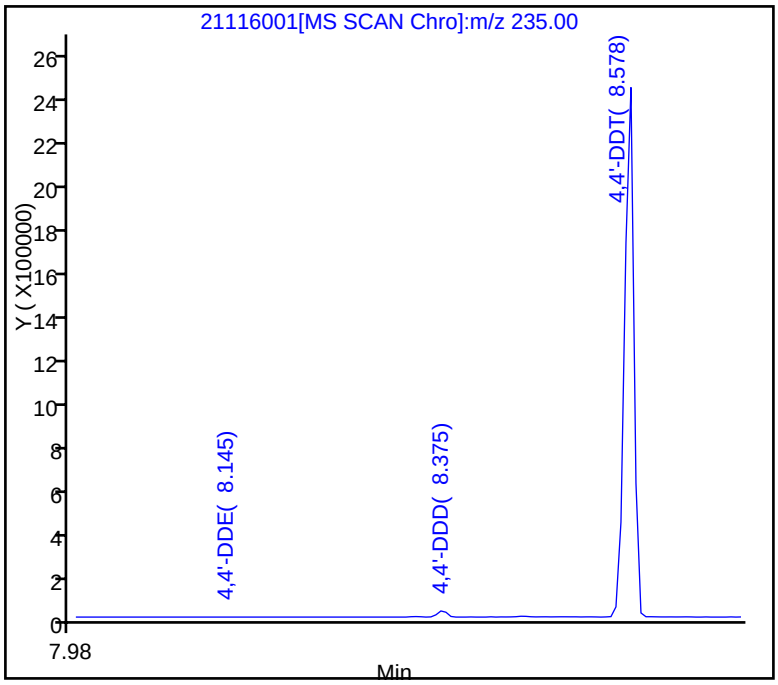
m/z	Y	m/z	Y	m/z	Y	m/z	Y
110.00	125328	186.00	64088	272.00	474	438.00	174
111.00	18040	187.00	18736	273.00	7819	439.00	171
112.00	2672	188.00	1761	274.00	22128	441.00	60344
113.00	1180	189.00	4050	275.00	117744	442.00	368960
114.00	212	190.00	1086	276.00	16119	443.00	72008
115.00	680	191.00	2042	277.00	8756	444.00	6306
116.00	200	192.00	5515	278.00	1015	445.00	342
117.00	45056	193.00	5408	281.00	178		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116001.D		
Injection Date:	16-Nov-2012 09:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 1664219
165 4,4'-DDD, Area = 20384
166 4,4'-DDE, Area = 1773

%Breakdown: 1.31%, Max Limit: 20.00%
Passed

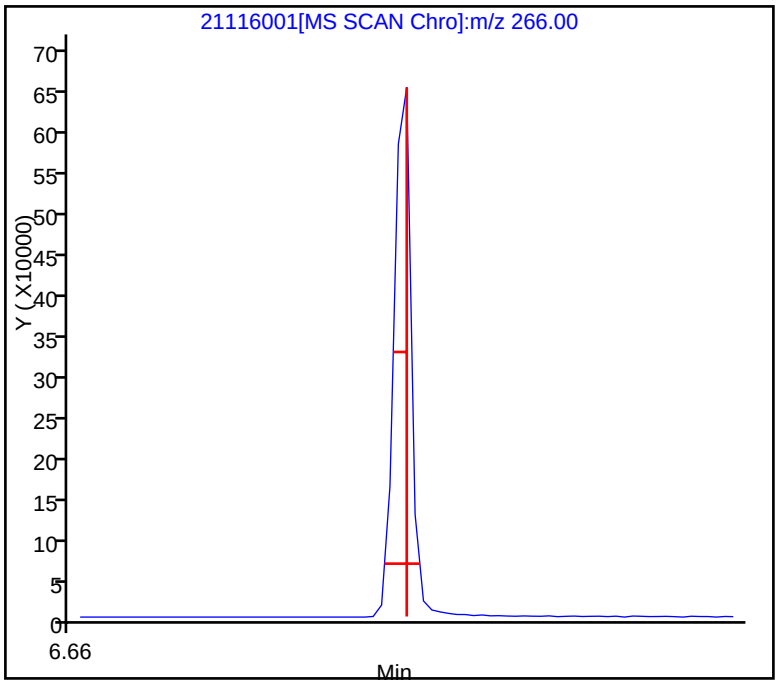
Report Date: 17-Nov-2012 12:48:06 Chrom Revision: 2.0 15-Nov-2012 14:43:54

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116001.D		
Injection Date:	16-Nov-2012 09:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.008 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.6, Max. Tailing < 5.00
Passed

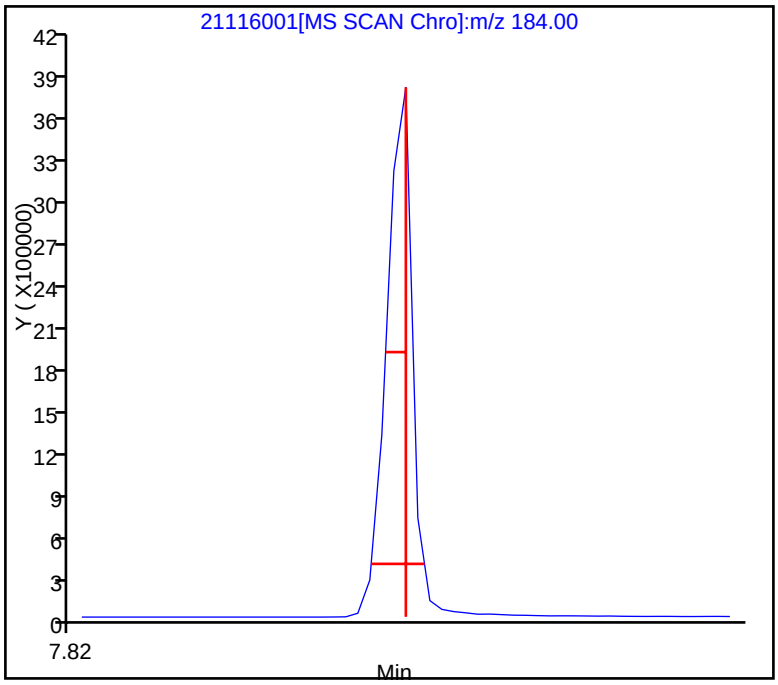
Report Date: 17-Nov-2012 12:48:06 Chrom Revision: 2.0 15-Nov-2012 14:43:54

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116001.D		
Injection Date:	16-Nov-2012 09:20:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.008 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.5, Max. Tailing < 3.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	03-Dec-2012 11:11:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015467-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	67070	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:14	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 11:43:35

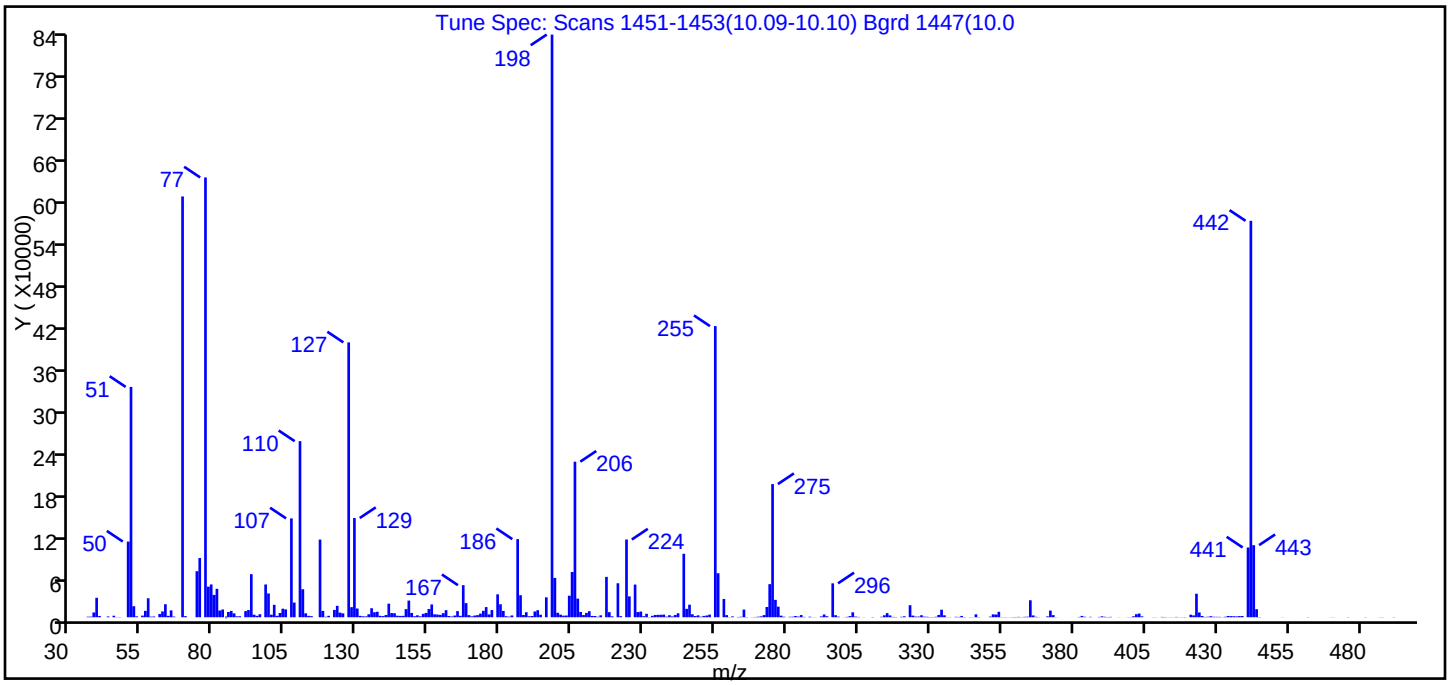
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.743	9.743	0.0	77	845991	0	
150 DFTPP								
160 Benzidine	184	11.057	11.057	0.0	88	4913458	0	
166 4,4'-DDE	246	11.233	11.233	0.0	1	3405	0	
165 4,4'-DDD	235	11.580	11.580	0.0	25	29456	0	
170 4,4'-DDT	235	11.922	11.922	0.0	92	2368324	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D		
Injection Date:	03-Dec-2012 11:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	39.53
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	72.22
70	Less than 2.00% of mass 69	0.20 (0.27)
127	25.00 - 75.00% of mass 198	47.17
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.75
275	10.00 - 30.00% of mass 198	22.86
365	Greater than 0.75% of mass 198	2.92
441	Present, but less than mass 443%	11.97 (96.74)
442	40.00 - 110.00% of mass 198	68.04
443	15.00 - 24.00% of mass 442	12.38 (18.19)

Report Date: 04-Dec-2012 08:01:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D\8270 _9.rslt\spectra.d
Injection Date: 03-Dec-2012 11:11:30
Spectrum: Tune Spec: Scans 1451-1453(10.09-10.10) Bgrd 1447(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	805	143.00	5762	238.00	899	344.00	252
37.00	913	144.00	2208	239.00	2944	345.00	194
38.00	6881	145.00	1935	240.00	1199	346.00	4162
39.00	27752	146.00	2039	241.00	3197	347.00	293
40.00	1847	147.00	11515	242.00	5686	351.00	938
43.00	1175	148.00	23792	244.00	90544	352.00	4152
45.00	2162	149.00	6149	245.00	11968	353.00	3912
46.00	183	150.00	1505	246.00	17920	354.00	7781
47.00	281	151.00	2790	247.00	4250	355.00	244
50.00	107928	152.00	1316	248.00	1759	356.00	276
51.00	328512	153.00	4861	249.00	2729	357.00	196
52.00	15756	154.00	6172	250.00	796	358.00	184
53.00	1265	155.00	11784	251.00	1929	359.00	372
55.00	2354	156.00	18272	252.00	2492	360.00	372
56.00	9108	157.00	4229	253.00	3788	361.00	555
57.00	27096	158.00	3898	255.00	415232	362.00	231
58.00	882	159.00	3388	256.00	62760	363.00	614
59.00	1090	160.00	5803	258.00	26096	364.00	800
61.00	4674	161.00	10124	259.00	3036	365.00	24240
62.00	8247	162.00	1764	260.00	262	366.00	2609
63.00	18592	163.00	1087	261.00	1214	367.00	673
64.00	2017	164.00	2422	263.00	469	368.00	229
65.00	9825	165.00	8760	264.00	708	371.00	1221
66.00	993	166.00	2066	265.00	10931	372.00	9521
69.00	600128	167.00	45760	266.00	391	373.00	2996
70.00	1628	168.00	20160	268.00	215	374.00	197
74.00	65656	169.00	3000	269.00	455	382.00	488
75.00	84456	170.00	1316	270.00	786	383.00	1920
77.00	627264	171.00	2460	271.00	1272	384.00	719
78.00	43592	172.00	3069	272.00	3065	386.00	605
79.00	46792	173.00	5254	273.00	14640	389.00	471
80.00	31864	174.00	9203	274.00	47184	390.00	1310
81.00	40576	175.00	14490	275.00	189952	391.00	671

Report Date: 04-Dec-2012 08:01:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D\8270 _9.rslt\spectra.d
Injection Date: 03-Dec-2012 11:11:30
Spectrum: Tune Spec: Scans 1451-1453(10.09-10.10) Bgrd 1447(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	9621	176.00	4058	276.00	24816	392.00	374
83.00	11092	177.00	10236	277.00	15088	393.00	572
84.00	1	179.00	32696	278.00	2264	396.00	178
85.00	7518	180.00	18528	279.00	773	399.00	207
86.00	9066	181.00	9015	281.00	647	400.00	205
87.00	5515	182.00	1488	282.00	835	401.00	1382
88.00	1317	183.00	957	283.00	1794	402.00	4364
89.00	1456	184.00	2598	284.00	973	403.00	5287
91.00	8760	186.00	111416	285.00	3129	404.00	1266
92.00	10326	187.00	31432	286.00	536	408.00	221
93.00	61440	188.00	3197	288.00	810	409.00	173
94.00	3617	189.00	7175	289.00	176	411.00	499
95.00	2055	190.00	1393	290.00	170	412.00	394
96.00	4317	191.00	1812	292.00	1225	413.00	169
98.00	46744	192.00	8283	293.00	3948	414.00	201
99.00	33960	193.00	10085	294.00	1468	415.00	168
100.00	3676	194.00	3587	296.00	48368	416.00	487
101.00	17736	196.00	28408	297.00	2922	417.00	197
102.00	2056	198.00	830976	298.00	912	418.00	203
103.00	6046	199.00	56128	300.00	168	419.00	359
104.00	12231	200.00	6332	301.00	598	421.00	3613
105.00	11224	201.00	3717	302.00	1629	422.00	2627
106.00	37	202.00	2291	303.00	7068	423.00	33560
107.00	140992	203.00	2497	304.00	939	424.00	6841
108.00	20936	204.00	30736	305.00	512	425.00	1826
110.00	251136	205.00	64560	307.00	199	426.00	496
111.00	39928	206.00	221888	310.00	391	427.00	744
112.00	5609	207.00	26536	313.00	658	428.00	1504
113.00	2015	208.00	7546	314.00	2785	429.00	726
114.00	1583	209.00	3144	315.00	5914	430.00	612
117.00	110808	210.00	6205	316.00	2627	431.00	568
118.00	9054	211.00	8658	317.00	525	432.00	214
119.00	692	212.00	1909	318.00	434	433.00	709
120.00	2041	213.00	1780	320.00	690	434.00	1840

Report Date: 04-Dec-2012 08:01:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D\8270 _9.rslt\spectra.d
Injection Date: 03-Dec-2012 11:11:30
Spectrum: Tune Spec: Scans 1451-1453(10.09-10.10) Bgrd 1447(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 347

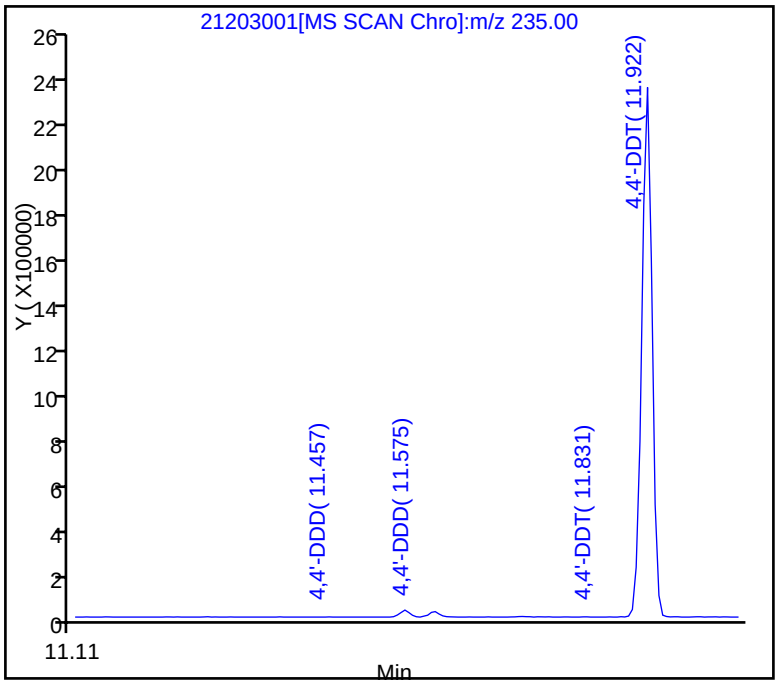
m/z	Y	m/z	Y	m/z	Y	m/z	Y
122.00	10423	214.00	744	321.00	1344	435.00	1597
123.00	16323	215.00	2759	323.00	17192	436.00	1442
124.00	6584	217.00	57576	324.00	2343	437.00	1267
125.00	5555	218.00	7254	325.00	949	438.00	1676
127.00	392000	219.00	1331	326.00	958	439.00	1707
128.00	14423	221.00	48512	327.00	2861	441.00	99488
129.00	141504	222.00	1542	328.00	820	442.00	565376
130.00	12467	224.00	110888	329.00	703	443.00	102840
131.00	1987	225.00	29760	330.00	357	444.00	11515
132.00	1355	227.00	46640	331.00	316	445.00	351
133.00	1243	228.00	7402	332.00	690	453.00	171
134.00	4293	229.00	8159	333.00	3312	462.00	262
135.00	12870	230.00	1504	334.00	10765	470.00	175
136.00	7180	231.00	4936	335.00	2758	471.00	190
137.00	7812	232.00	348	336.00	168	476.00	276
138.00	2059	233.00	2048	337.00	200	482.00	271
139.00	1655	234.00	3232	339.00	622	487.00	210
140.00	3192	235.00	3461	340.00	492	488.00	207
141.00	19360	236.00	3518	341.00	1907	492.00	291
142.00	5932	237.00	3815	342.00	371		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D		
Injection Date:	03-Dec-2012 11:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 2368324
165 4,4'-DDD, Area = 29456
166 4,4'-DDE, Area = 3405

%Breakdown: 1.37%, Max Limit: 20.00%
Passed

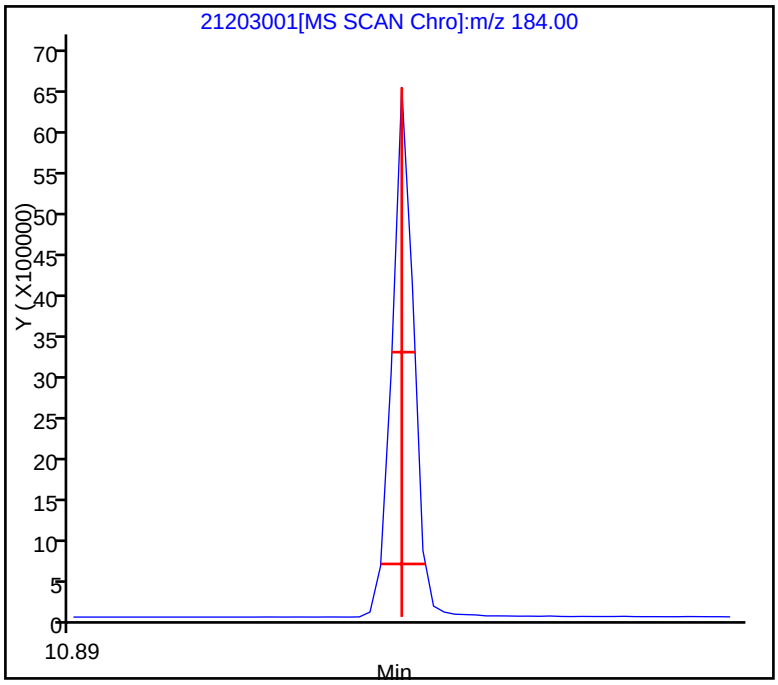
Report Date: 04-Dec-2012 08:01:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D		
Injection Date:	03-Dec-2012 11:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.1, Max. Tailing < 3.00
Passed

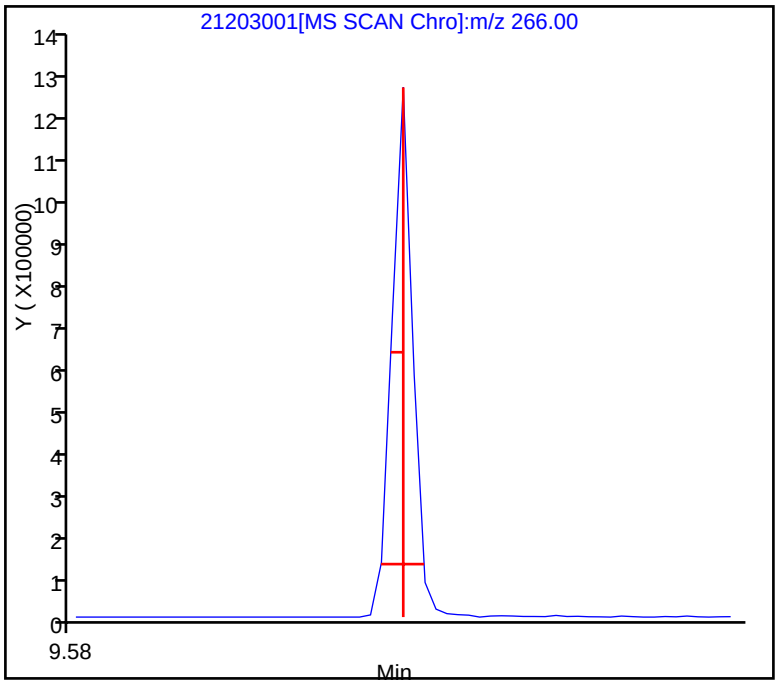
Report Date: 04-Dec-2012 08:01:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D		
Injection Date:	03-Dec-2012 11:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 0.9, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	07-Dec-2012 12:56:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015623-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	67729	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m		
Last Update:	08-Dec-2012 11:37:45	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	CORP-CTX-18		
First Level Reviewer: ulmanm		Date:	07-Dec-2012 13:35:56

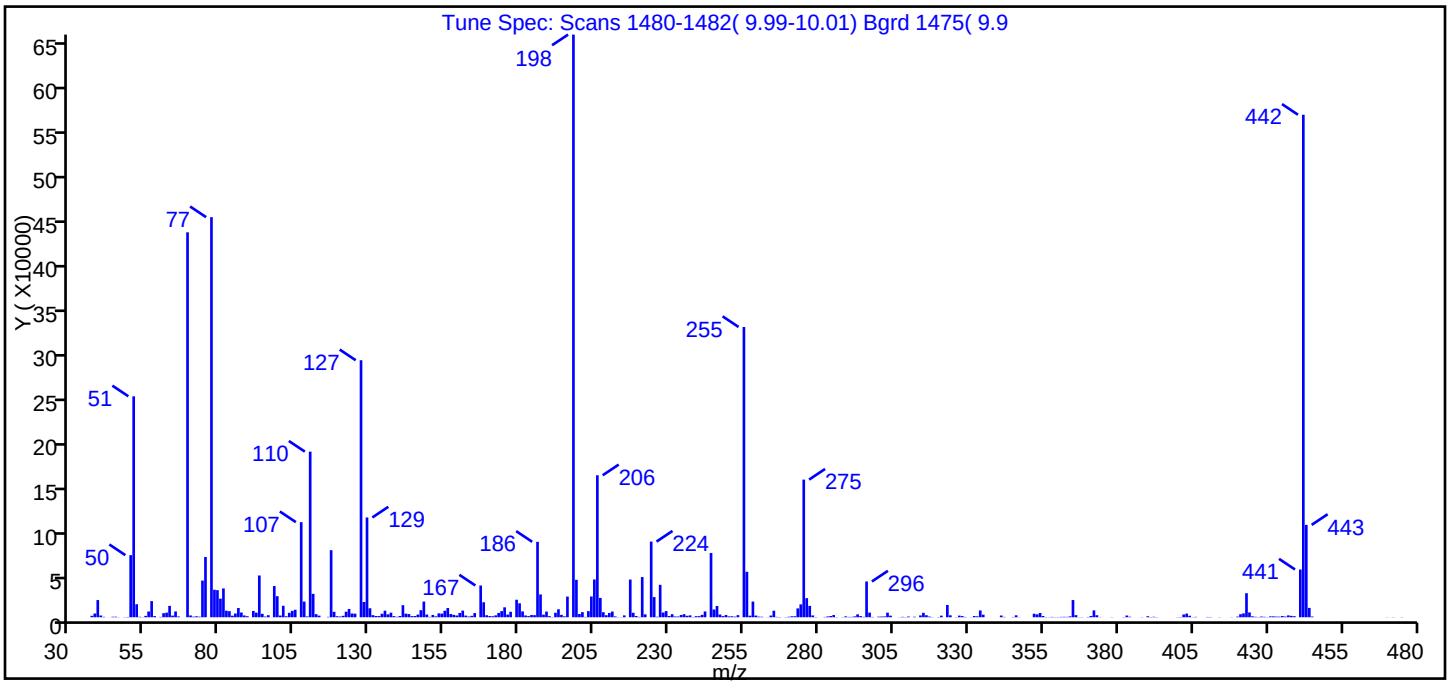
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.642	9.642	0.0	78	715722	0	
150 DFTPP								
160 Benzidine	184	10.945	10.945	0.0	87	4672631	0	
166 4,4'-DDE	246	11.111	11.111	0.0	1	2801	0	
165 4,4'-DDD	235	11.490	11.490	0.0	61	22196	0	
170 4,4'-DDT	235	11.779	11.779	0.0	85	2187325	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207001.D		
Injection Date:	07-Dec-2012 12:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	37.92
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	66.07
70	Less than 2.00% of mass 69	0.31 (0.47)
127	25.00 - 75.00% of mass 198	44.11
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.42
275	10.00 - 30.00% of mass 198	23.62
365	Greater than 0.75% of mass 198	2.95
441	Present, but less than mass 443%	8.20 (51.71)
442	40.00 - 110.00% of mass 198	86.24
443	15.00 - 24.00% of mass 442	15.85 (18.38)

Report Date: 08-Dec-2012 11:37:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207001.D\8270 _9.rslt\spectra.d
Injection Date: 07-Dec-2012 12:56:30
Spectrum: Tune Spec: Scans 1480-1482(9.99-10.01) Bgrd 1475(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 342

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1658	135.00	7430	226.00	581	326.00	232
38.00	4219	136.00	3267	227.00	36712	327.00	1862
39.00	19472	137.00	5180	228.00	5340	328.00	1318
40.00	1972	138.00	1302	229.00	6996	329.00	366
41.00	479	139.00	520	230.00	1387	331.00	167
43.00	62	140.00	1393	231.00	3480	332.00	1397
44.00	555	141.00	13691	232.00	883	333.00	1046
45.00	624	142.00	4054	233.00	828	334.00	7707
46.00	171	143.00	3592	234.00	2557	335.00	2899
48.00	207	144.00	1286	235.00	3450	341.00	1980
49.00	344	145.00	1374	236.00	1687	342.00	410
50.00	70320	146.00	3003	237.00	2155	345.00	341
51.00	250176	147.00	7998	238.00	268	346.00	2208
52.00	14743	148.00	17768	239.00	1236	347.00	169
53.00	525	149.00	3071	240.00	1240	352.00	4004
54.00	192	150.00	452	241.00	2726	353.00	3285
55.00	1584	151.00	2559	242.00	6583	354.00	4857
56.00	6523	152.00	1018	244.00	72792	355.00	1454
57.00	18280	153.00	4393	245.00	8784	356.00	249
58.00	1314	154.00	4130	246.00	12773	357.00	201
60.00	421	155.00	7353	247.00	3119	358.00	422
61.00	4615	156.00	10442	248.00	1309	359.00	254
62.00	5227	157.00	3605	249.00	2561	360.00	235
63.00	12876	158.00	2728	250.00	985	361.00	403
64.00	1888	159.00	1999	251.00	1091	362.00	529
65.00	6553	160.00	4868	252.00	692	363.00	423
66.00	891	161.00	7503	253.00	2412	364.00	998
69.00	435840	162.00	1896	255.00	328640	365.00	19472
70.00	2031	163.00	844	256.00	51448	366.00	2369
71.00	703	164.00	1618	257.00	1781	367.00	176
72.00	1127	165.00	4743	258.00	17776	368.00	220
73.00	679	167.00	35976	259.00	1912	370.00	362
74.00	41512	168.00	16976	260.00	696	371.00	1459

Report Date: 08-Dec-2012 11:37:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207001.D\8270 _9.rslt\spectra.d
Injection Date: 07-Dec-2012 12:56:30
Spectrum: Tune Spec: Scans 1480-1482(9.99-10.01) Bgrd 1475(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 342

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	68256	169.00	2289	261.00	564	372.00	7788
77.00	452992	170.00	1358	263.00	188	373.00	2294
78.00	31120	171.00	1167	264.00	1918	374.00	181
79.00	30704	172.00	2122	265.00	7412	378.00	225
80.00	21056	173.00	4903	266.00	420	382.00	240
81.00	32640	174.00	6957	267.00	297	383.00	1968
82.00	7393	175.00	11257	268.00	9	384.00	597
83.00	6891	176.00	3052	269.00	230	388.00	192
84.00	1768	177.00	6209	270.00	586	390.00	1176
85.00	4235	179.00	19840	271.00	1092	391.00	283
86.00	10451	180.00	15784	272.00	1124	392.00	521
87.00	5356	181.00	6625	273.00	10034	393.00	228
88.00	2032	182.00	2014	274.00	14592	400.00	260
89.00	1168	183.00	1318	275.00	155840	401.00	272
91.00	7149	184.00	2519	276.00	21608	402.00	3130
92.00	5202	185.00	2404	277.00	12849	403.00	4165
93.00	47296	186.00	85424	278.00	2044	404.00	1689
94.00	3875	187.00	25848	279.00	324	405.00	198
95.00	784	188.00	2971	282.00	351	406.00	452
96.00	2340	189.00	6433	283.00	941	410.00	368
98.00	35352	190.00	1273	284.00	1405	411.00	314
99.00	23832	191.00	246	285.00	2516	414.00	195
100.00	1944	192.00	5099	286.00	255	418.00	173
101.00	12996	193.00	9045	288.00	195	420.00	759
102.00	1089	194.00	2708	289.00	1036	421.00	3439
103.00	5019	195.00	1052	290.00	378	422.00	4384
104.00	7253	196.00	23440	291.00	472	423.00	27240
105.00	8507	198.00	659712	292.00	1031	424.00	5447
107.00	107688	199.00	42384	293.00	3282	425.00	1058
108.00	17736	200.00	3684	294.00	1364	426.00	544
109.00	910	201.00	5789	295.00	461	427.00	288
110.00	187520	202.00	422	296.00	40496	428.00	809
111.00	26544	203.00	6937	297.00	5262	429.00	512
112.00	3481	204.00	23504	298.00	362	430.00	204

Report Date: 08-Dec-2012 11:37:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207001.D\8270 _9.rslt\spectra.d
Injection Date: 07-Dec-2012 12:56:30
Spectrum: Tune Spec: Scans 1480-1482(9.99-10.01) Bgrd 1475(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 342

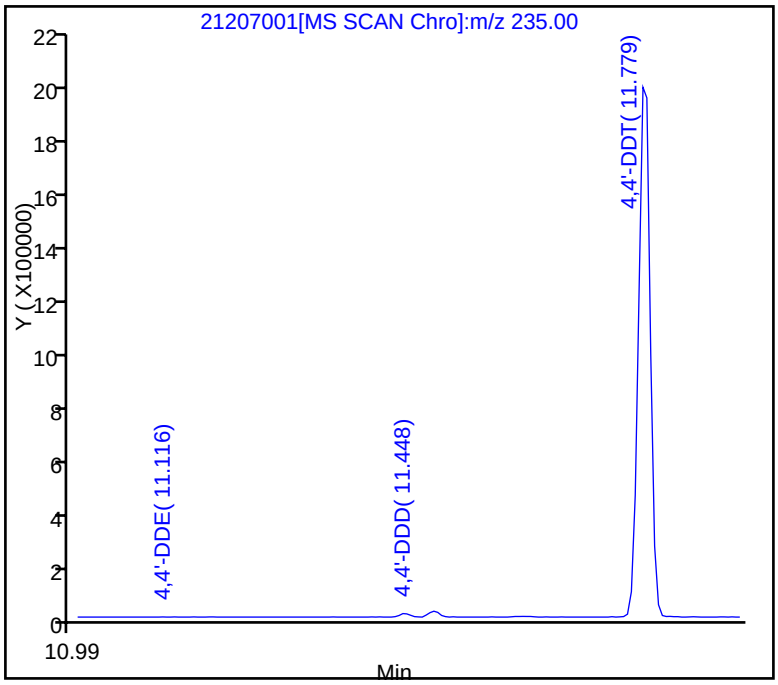
m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	1809	205.00	42776	300.00	675	431.00	984
116.00	481	206.00	160768	301.00	857	432.00	1051
117.00	75928	207.00	21880	302.00	959	433.00	786
118.00	6160	208.00	5718	303.00	5203	434.00	677
119.00	1164	209.00	2290	304.00	1825	435.00	1392
120.00	831	210.00	4826	307.00	183	436.00	810
121.00	1650	211.00	6467	308.00	469	437.00	2113
122.00	6319	212.00	926	309.00	259	438.00	1577
123.00	9346	213.00	205	310.00	836	439.00	1193
124.00	4266	214.00	167	312.00	623	441.00	54072
125.00	4038	215.00	2104	314.00	2079	442.00	568960
127.00	291008	217.00	42688	315.00	4995	443.00	104576
128.00	17264	218.00	5078	316.00	2291	444.00	10592
129.00	112992	219.00	1397	317.00	804	445.00	800
130.00	10161	220.00	428	318.00	241	470.00	173
131.00	2341	221.00	45512	320.00	263	472.00	205
132.00	1433	222.00	3282	321.00	1818	475.00	208
133.00	1349	224.00	85672	323.00	13897		
134.00	3958	225.00	22856	324.00	2172		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207001.D		
Injection Date:	07-Dec-2012 12:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 2187325
165 4,4'-DDD, Area = 22196
166 4,4'-DDE, Area = 2801

%Breakdown: 1.13%, Max Limit: 20.00%
Passed

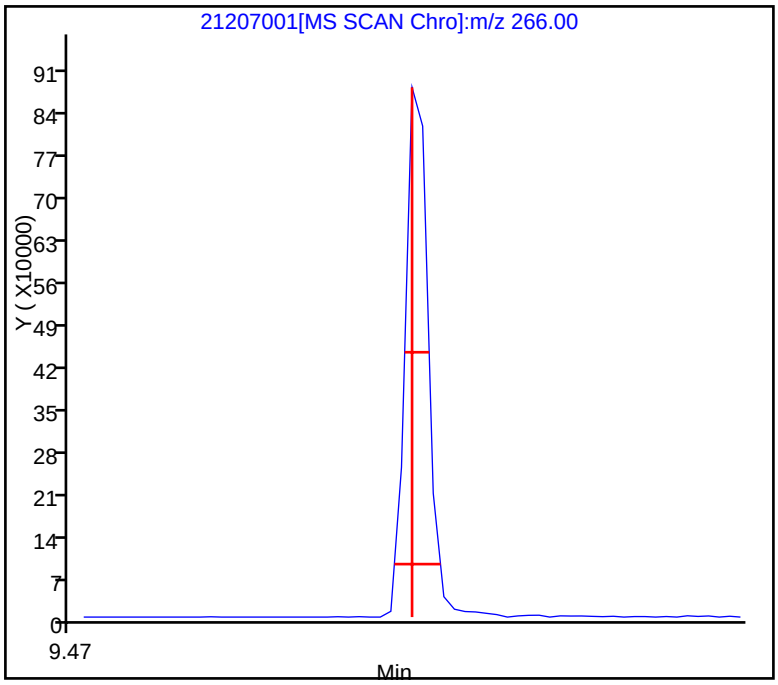
Report Date: 08-Dec-2012 11:37:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207001.D		
Injection Date:	07-Dec-2012 12:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.6, Max. Tailing < 5.00
Passed

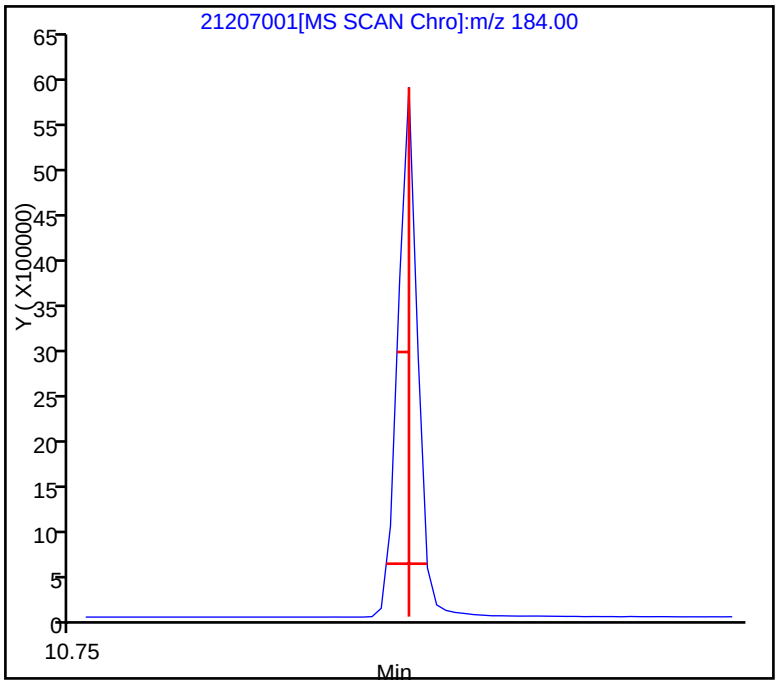
Report Date: 08-Dec-2012 11:37:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207001.D		
Injection Date:	07-Dec-2012 12:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-64920/23-A

Matrix: Water | Lab File ID: 21116004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1000(mL) | Date Analyzed: 11/16/2012 10:21

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.10	U	0.20	0.10	0.10
208-96-8	Acenaphthylene	0.10	U	0.20	0.10	0.10
120-12-7	Anthracene	0.10	U	0.20	0.10	0.10
56-55-3	Benzo[a]anthracene	0.10	U	0.20	0.10	0.10
50-32-8	Benzo[a]pyrene	0.10	U	0.20	0.10	0.10
205-99-2	Benzo[b]fluoranthene	0.10	U	0.20	0.10	0.10
191-24-2	Benzo[g,h,i]perylene	0.10	U	0.20	0.10	0.10
65-85-0	Benzoic acid	10	U	25	10	10
207-08-9	Benzo[k]fluoranthene	0.10	U	0.20	0.10	0.10
100-51-6	Benzyl alcohol	0.80	U	5.0	0.80	0.38
111-91-1	Bis(2-chloroethoxy)methane	0.80	U	1.0	0.80	0.32
111-44-4	Bis(2-chloroethyl)ether	0.10	U	1.0	0.10	0.10
108-60-1	bis (2-chloroisopropyl) ether	0.80	U	1.0	0.80	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	0.80	U	2.0	0.80	0.80
101-55-3	4-Bromophenyl phenyl ether	0.80	U	2.0	0.80	0.80
85-68-7	Butyl benzyl phthalate	0.80	U	1.0	0.80	0.80
86-74-8	Carbazole	0.80	U	1.0	0.80	0.28
106-47-8	4-Chloroaniline	0.80	U	2.0	0.80	0.80
59-50-7	4-Chloro-3-methylphenol	0.80	U	2.0	0.80	0.80
91-58-7	2-Chloronaphthalene	0.10	U	1.0	0.10	0.10
95-57-8	2-Chlorophenol	0.80	U	1.0	0.80	0.29
7005-72-3	4-Chlorophenyl phenyl ether	0.80	U	2.0	0.80	0.30
218-01-9	Chrysene	0.10	U	0.20	0.10	0.10
53-70-3	Dibenz(a,h)anthracene	0.10	U	0.20	0.10	0.10
132-64-9	Dibenzofuran	0.10	U	1.0	0.10	0.10
106-46-7	1,4-Dichlorobenzene	0.80	U	1.0	0.80	0.34
95-50-1	1,2-Dichlorobenzene	0.80	U	1.0	0.80	0.29
541-73-1	1,3-Dichlorobenzene	0.80	U	1.0	0.80	0.80
91-94-1	3,3'-Dichlorobenzidine	0.80	U	5.0	0.80	0.37
120-83-2	2,4-Dichlorophenol	0.80	U	2.0	0.80	0.80
84-66-2	Diethyl phthalate	0.80	U	1.0	0.80	0.60
105-67-9	2,4-Dimethylphenol	0.80	U	2.0	0.80	0.80
131-11-3	Dimethyl phthalate	0.80	U	1.0	0.80	0.29
84-74-2	Di-n-butyl phthalate	0.80	U	1.0	0.80	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-64920/23-A

Matrix: Water | Lab File ID: 21116004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1000(mL) | Date Analyzed: 11/16/2012 10:21

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.4	U	5.0	2.4	2.4
51-28-5	2,4-Dinitrophenol	2.4	U	5.0	2.4	2.4
121-14-2	2,4-Dinitrotoluene	0.80	U	5.0	0.80	0.27
606-20-2	2,6-Dinitrotoluene	0.80	U	5.0	0.80	0.80
117-84-0	Di-n-octyl phthalate	0.80	U	1.0	0.80	0.80
206-44-0	Fluoranthene	0.10	U	0.20	0.10	0.10
86-73-7	Fluorene	0.10	U	0.20	0.10	0.10
118-74-1	Hexachlorobenzene	0.10	U	0.20	0.10	0.10
87-68-3	Hexachlorobutadiene	0.80	U	1.0	0.80	0.27
77-47-4	Hexachlorocyclopentadiene	0.80	U	10	0.80	0.80
67-72-1	Hexachloroethane	0.80	U	1.0	0.80	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.10	U	0.20	0.10	0.10
78-59-1	Isophorone	0.80	U	1.0	0.80	0.27
91-57-6	2-Methylnaphthalene	0.10	U	0.20	0.10	0.10
95-48-7	2-Methylphenol	0.80	U	1.0	0.80	0.80
15831-10-4	3 & 4 Methylphenol	0.80	U	2.0	0.80	0.80
91-20-3	Naphthalene	0.10	U	0.20	0.10	0.10
88-74-4	2-Nitroaniline	0.80	U	2.0	0.80	0.80
99-09-2	3-Nitroaniline	0.80	U	2.0	0.80	0.28
100-01-6	4-Nitroaniline	0.80	U	2.0	0.80	0.80
98-95-3	Nitrobenzene	0.10	U	1.0	0.10	0.040
88-75-5	2-Nitrophenol	0.80	U	2.0	0.80	0.28
100-02-7	4-Nitrophenol	2.4	U	5.0	2.4	2.4
621-64-7	N-Nitrosodi-n-propylamine	0.80	U	1.0	0.80	0.80
86-30-6	N-Nitrosodiphenylamine	0.80	U	1.0	0.80	0.31
87-86-5	Pentachlorophenol	2.4	U	5.0	2.4	2.4
85-01-8	Phenanthrene	0.10	U	0.20	0.10	0.10
108-95-2	Phenol	0.80	U	1.0	0.80	0.60
129-00-0	Pyrene	0.10	U	0.20	0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.28
95-95-4	2,4,5-Trichlorophenol	0.80	U	5.0	0.80	0.30
88-06-2	2,4,6-Trichlorophenol	0.80	U	5.0	0.80	0.80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-64920/23-A

Matrix: Water | Lab File ID: 21116004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1000(mL) | Date Analyzed: 11/16/2012 10:21

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	74		50-110
367-12-4	2-Fluorophenol (Surr)	79		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	75		40-110
1718-51-0	Terphenyl-d14 (Surr)	82		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	71		40-125
4165-62-2	Phenol-d5 (Surr)	82		10-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116004.D
Lims ID: MB 240-64920/23-A Client ID:
Inject. Date: 16-Nov-2012 10:21:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015012-004
Misc. Info.: MB 240-64920/23-A =MB 240-64920/23-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 65294 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m
Last Update: 17-Nov-2012 12:48:08 Calib Date: 15-Nov-2012 10:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 16-Nov-2012 11:18:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.676	3.677	-0.001	96	125503	4.00	
* 2 Naphthalene-d8	136	4.637	4.639	-0.002	99	502037	4.00	
* 3 Acenaphthene-d10	164	5.930	5.931	-0.001	75	342064	4.00	
* 4 Phenanthrene-d10	188	7.009	7.010	-0.001	97	610306	4.00	
* 5 Chrysene-d12	240	8.948	8.949	-0.001	80	638244	4.00	
* 6 Perylene-d12	264	10.219	10.215	0.004	94	534640	4.00	
$ 7 2-Fluorophenol	112	2.677	2.673	0.004	93	555813	11.8	
$ 8 Phenol-d5	99	3.366	3.373	-0.007	0	825022	12.3	
$ 9 Nitrobenzene-d5	82	4.087	4.094	-0.007	84	568178	7.46	
$ 10 2-Fluorobiphenyl (Surr)	172	5.423	5.424	-0.001	99	840234	7.38	
$ 11 2,4,6-Tribromophenol	330	6.501	6.503	-0.002	90	126109	10.6	
$ 12 Terphenyl-d14	244	8.141	8.142	-0.001	98	1003186	8.18	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88		1.578					
26 N-Nitrosodimethylamine	74		1.765					
27 Pyridine	79		1.792					
28 Ethyl methacrylate	69		2.032					9
29 3-Chloropropionitrile	54		2.224					
31 2-Picoline	93		2.338					
32 N-Nitrosomethylethylamine	88		2.396					
33 Malononitrile	66		2.411					
34 Methyl methanesulfonate	80		2.610					9
233 n,n'-Dimethylacetamide	44		2.674					
30 3-Picoline	93		2.674					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.914					
37 Ethyl methanesulfonate	79		3.123					
38 2-Methylcyclohexanone	68		3.315					
39 3-Methylcyclohexanone	69		3.342					
41 Benzaldehyde	77		3.346					9
40 4-Methylcyclohexanone	55		3.379					
43 Phenol	94		3.383					9
44 Aniline	93		3.426					9
69 Bis(2-chloroethyl)ether	93		3.458					9
46 2-Chlorophenol	128		3.522					
45 Pentachloroethane	167		3.529					
42 Phenylmercaptan	110		3.596					
47 1,3-Dichlorobenzene	146		3.640					
48 1,4-Dichlorobenzene	146		3.693					
49 Benzyl alcohol	108		3.768					9
50 1,2-Dichlorobenzene	146		3.811					9
51 2-Methylphenol	108		3.848					9
53 2,2'-oxybis[1-chloropropane]	45		3.864					
232 1-Methyl-2-pyrrilidinone	99		3.880					
21 3 & 4 Methylphenol	108		3.960					
57 N-Nitrosodi-n-propylamine	70		3.971					
58 Acetophenone	105		3.976					
56 N-Nitrosopyrrolidine	100		4.009					
59 N-Nitrosomorpholine	56		4.036					9
60 2-Toluidine	106		4.063					
61 Hexachloroethane	117		4.067					
52 Indene	115		4.084					
62 Nitrobenzene	77		4.110					9
63 N-Nitrosopiperidine	114		4.276					
64 Isophorone	82		4.286					9
66 2-Nitrophenol	139		4.350					
65 2,4-Dimethylphenol	107		4.361					
67 1,3,5-Trichlorobenzene	180		4.361					
70 Bis(2-chloroethoxy)methane	93		4.430					
68 o,o',o''-Triethylphosphorothioat	198		4.463					
71 Benzoic acid	122		4.468					
17 4-Chlorophenol	128		4.500					
73 2,4-Dichlorophenol	162		4.526					
24 Catechol	110		4.592					
74 1,2,4-Trichlorobenzene	180		4.596					
75 Naphthalene	128		4.655					
76 4-Chloroaniline	127		4.681					
79 Hexachlorobutadiene	225		4.740					
77 2,6-Dichlorophenol	162		4.752					
80 1,2,3-Trichlorobenzene	180		4.761					
78 Hexachloropropene	213		4.784					
72 alpha,alpha-Dimethyl phenethylam	58		4.848					
15 3-Methylcatechol	124		4.913					
84 Caprolactam	113		4.948					
83 N-Nitrosodi-n-butylamine	84		4.976					9
85 p-Phenylene diamine	108		5.003					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
86 4-Chloro-3-methylphenol	107		5.034					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.142					
87 2-Methylnaphthalene	142		5.162					
88 1-Methylnaphthalene	142		5.237					
89 Hexachlorocyclopentadiene	237		5.280					
90 1,2,3,5-Tetrachlorobenzene	216		5.280					
91 1,2,4,5-Tetrachlorobenzene	216		5.350					
225 Isosafrole Peak 1	162		5.355					
92 2,4,6-Trichlorophenol	196		5.365					
93 2,4,5-Trichlorophenol	196		5.397					
97 2,4-Toluene diamine	121		5.482					9
98 1,1'-Biphenyl	154		5.499					9
99 1,2,3,4 -Tetrachlorobenzene	216		5.499					
100 2-Chloronaphthalene	162		5.525					
227 Isosafrole Peak 2	162		5.526					
102 2-Nitroaniline	65		5.589					9
105 Dimethyl phthalate	163		5.701					
103 1,4-Naphthoquinone	158		5.702					
96 3,4-Dichloronitrobenzene	109		5.725					9
104 1,4-Dinitrobenzene	168		5.729					
107 2,6-Dinitrotoluene	165		5.755					
101 Phenyl ether	170		5.773					
106 1,3-Dinitrobenzene	168		5.788					
108 1,2-Dinitrobenzene	168		5.803					
109 Acenaphthylene	152		5.830					
110 3-Nitroaniline	138		5.883					
112 Acenaphthene	153		5.953					
111 2,4-Dinitrophenol	184		5.963					
113 4-Nitrophenol	109		5.995					9
114 2,4-Dinitrotoluene	165		6.054					
116 Dibenzofuran	168		6.081					
115 Pentachlorobenzene	250		6.114					
118 2,3,5,6-Tetrachlorophenol	232		6.134					
117 1-Naphthylamine	143		6.188					
121 Diethyl phthalate	149		6.209					9
119 2,3,4,6-Tetrachlorophenol	232		6.226					
120 2-Naphthylamine	143		6.247					
123 4-Chlorophenyl phenyl ether	204		6.310					
126 Fluorene	166		6.326					
122 Thionazin	97		6.327					
125 4-Nitroaniline	138		6.332					
128 4,6-Dinitro-2-methylphenol	198		6.353					
124 N-Nitro-o-toluidine	152		6.381					
131 N-Nitrosodiphenylamine	169		6.396					
127 Tributyl phosphate	99		6.402					9
133 Azobenzene	77		6.428					
132 1,2-Diphenylhydrazine	77		6.428					9
130 Diphenylamine	169		6.450					9
134 Sulfotepp	202		6.541					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
135 1,3,5-Trinitrobenzene	213		6.621					
228 Diallate Peak 1	86		6.653					
137 Phenacetin	108		6.658					
139 4-Bromophenyl phenyl ether	248		6.663					
138 Phorate	121		6.664					
230 Diallate Peak 2	86		6.723					
141 Hexachlorobenzene	284		6.738					
142 Atrazine	200		6.764					
140 Dimethoate	87		6.787					
143 Pentachlorophenol	266		6.871					
129 4-Aminobiphenyl	169		6.915					9
144 Pronamide	173		6.942					
145 Pentachloronitrobenzene	237		6.942					
148 Phenanthrene	178		7.026					
146 Disulfoton	88		7.038					9
147 Dinoseb	211		7.043					
149 Anthracene	178		7.063					
151 Carbazole	167		7.170					
152 Methyl parathion	109		7.310					
154 Di-n-butyl phthalate	149		7.379					
155 Ethyl Parathion	97		7.582					9
153 Diphenylsulfone	125		7.616					
156 4-Nitroquinoline-1-oxide	190		7.636					
157 Methapyrilene	58		7.673					
158 Isodrin	66		7.844					
159 Fluoranthene	202		7.891					9
160 Benzidine	184		7.961					
161 Pyrene	202		8.062					9
166 4,4'-DDE	246		8.097					9
226 Aramite Peak 1	185		8.159					
229 Aramite Peak 2	185		8.213					
163 p-Dimethylamino azobenzene	225		8.304					
164 Chlorobenzilate	139		8.325					
165 4,4'-DDD	235		8.375					
168 Butyl benzyl phthalate	149		8.473					9
167 Famphur	218		8.506					
169 3,3'-Dimethylbenzidine	212		8.549					
170 4,4'-DDT	235		8.578					
171 2-Acetylaminofluorene	181		8.741					
172 3,3'-Dimethoxybenzidine	244		8.863					
173 Bis(2-ethylhexyl) phthalate	149	8.884	8.879	0.005	92	20538	0.1678	
174 4,4'-Methylene bis(2-chloroanili	231		8.895					9
175 3,3'-Dichlorobenzidine	252		8.901					
177 Benzo[a]anthracene	228		8.944					9
178 Chrysene	228		8.970					9
176 Hexabromobenzene	232		9.208					
180 Di-n-octyl phthalate	149		9.365					9
179 6-Methylchrysene	242		9.576					
182 Benzo[b]fluoranthene	252		9.830					
183 Benzo[k]fluoranthene	252		9.857					
181 7,12-Dimethylbenz(a)anthracene	256		9.895					
184 Benzo[a]pyrene	252		10.161					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
185 3-Methylcholanthrene	268		10.638					
188 Indeno[1,2,3-cd]pyrene	276		11.577					
189 Dibenz(a,h)anthracene	278		11.577					
187 Dibenz[a,h]acridine	279		11.729					
186 Dibenz[a,j]acridine	279		11.804					
190 Benzo[g,h,i]perylene	276		11.983					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 192 Octadecane (TIC)	57		0.000					
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

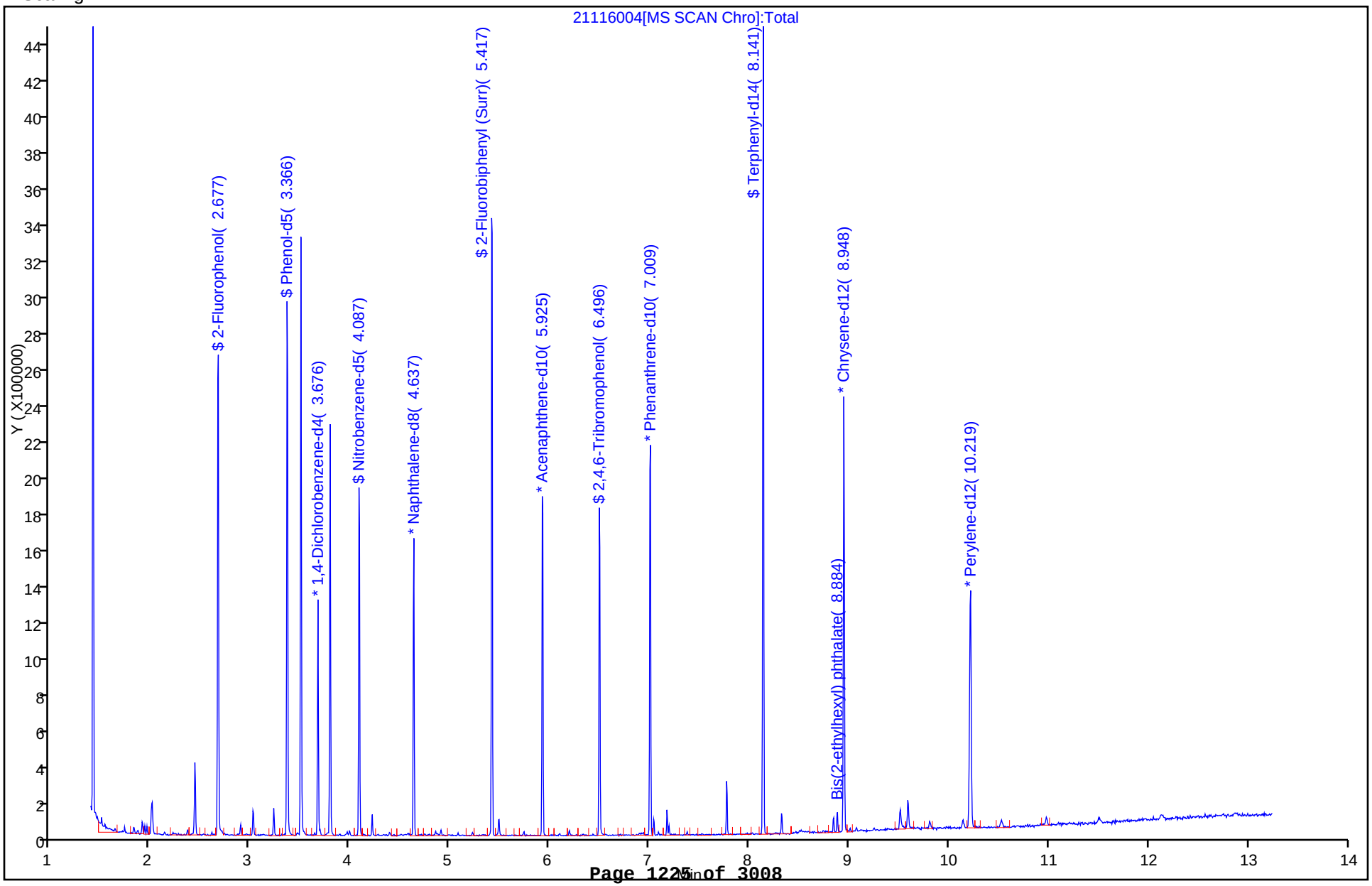
Report Date: 17-Nov-2012 12:48:10 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116004.D

Injection Date:	16-Nov-2012 10:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65933/23-A

Matrix: Solid | Lab File ID: 21203014.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.00(g) | Date Analyzed: 12/03/2012 16:43

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.7	3.3	3.3
120-12-7	Anthracene	3.3	U	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	90.1		50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	3.3	U	6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	50	3.3	3.3
106-46-7	1,4-Dichlorobenzene	27	U	50	27	20
95-50-1	1,2-Dichlorobenzene	15.8	J	50	27	9.7
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
91-94-1	3,3'-Dichlorobenzidine	80	U	100	80	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	50	27	16
105-67-9	2,4-Dimethylphenol	80	U	150	80	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65933/23-A

Matrix: Solid | Lab File ID: 21203014.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.00(g) | Date Analyzed: 12/03/2012 16:43

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	80	U	150	80	80
51-28-5	2,4-Dinitrophenol	80	U	330	80	80
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	50	27	27
206-44-0	Fluoranthene	3.3	U	6.7	3.3	3.3
86-73-7	Fluorene	3.3	U	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	3.3	U	6.7	3.3	3.3
95-48-7	2-Methylphenol	80	U	200	80	80
15831-10-4	3 & 4 Methylphenol	80	U	400	80	20
91-20-3	Naphthalene	3.3	U	6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.1
99-09-2	3-Nitroaniline	80	U	200	80	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	80	U	330	80	80
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	80	U	150	80	80
85-01-8	Phenanthrene	3.3	U	6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	3.3	U	6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	80	U	150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65933/23-A

Matrix: Solid | Lab File ID: 21203014.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.00(g) | Date Analyzed: 12/03/2012 16:43

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	76		45-105
367-12-4	2-Fluorophenol (Surr)	81		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	78		35-100
1718-51-0	Terphenyl-d14 (Surr)	93		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	56		35-125
4165-62-2	Phenol-d5 (Surr)	86		40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203014.D
Lims ID: MB 240-65933/23-A Client ID:
Inject. Date: 03-Dec-2012 16:43:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015467-014
Misc. Info.: MB 240-65933/23-A =MB 240-65933/23-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 67070 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 09:30:37 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm Date: 04-Dec-2012 08:07:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.053	6.050	0.003	88	124013	4.00	
* 2 Naphthalene-d8	136	7.154	7.156	-0.002	98	533683	4.00	
* 3 Acenaphthene-d10	164	8.650	8.652	-0.002	65	327896	4.00	
* 4 Phenanthrene-d10	188	9.916	9.918	-0.002	78	567124	4.00	
* 5 Chrysene-d12	240	12.533	12.541	-0.008	77	584002	4.00	
* 6 Perylene-d12	264	14.676	14.677	-0.001	80	417389	4.00	
$ 7 2-Fluorophenol	112	4.841	4.832	0.009	92	594426	12.2	
$ 8 Phenol-d5	99	5.690	5.687	0.003	0	912803	13.0	
$ 9 Nitrobenzene-d5	82	6.529	6.531	-0.002	84	635474	7.78	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.059	0.003	99	824149	7.57	
$ 11 2,4,6-Tribromophenol	330	9.317	9.319	-0.002	85	106354	8.38	
$ 12 Terphenyl-d14	244	11.289	11.291	-0.002	80	1111627	9.29	
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					
32 N-Nitrosomethylethylamine	88		2.374					9
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
25 1,4-Dioxane	88		2.807					
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					9
26 N-Nitrosodimethylamine	74		3.272					9
38 2-Methylcyclohexanone	68		3.292					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
39 3-Methylcyclohexanone	69		3.319					
27 Pyridine	79		3.320					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.876					9
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
29 3-Chloropropionitrile	54		4.218					9
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
33 Malononitrile	66		4.627					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					9
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					9
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77		5.665					9
103 1,4-Naphthoquinone	158		5.680					
43 Phenol	94		5.703					9
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					9
44 Aniline	93		5.751					9
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
69 Bis(2-chloroethyl)ether	93		5.804					
46 2-Chlorophenol	128		5.858					9
47 1,3-Dichlorobenzene	146		6.002					
48 1,4-Dichlorobenzene	146		6.066					
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108		6.157					9
117 1-Naphthylamine	143		6.166					
50 1,2-Dichlorobenzene	146	6.203	6.199	0.004	59	11231	0.2373	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
51 2-Methylphenol	108		6.237					9
53 2,2'-oxybis[1-chloropropane]	45		6.274					
122 Thionazin	97		6.305					9
124 N-Nitro-o-toluidine	152		6.358					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108		6.365					
127 Tributyl phosphate	99		6.379					9
57 N-Nitrosodi-n-propylamine	70		6.386					
58 Acetophenone	105		6.392					9
130 Diphenylamine	169		6.428					
61 Hexachloroethane	117		6.504					
134 Sulfotepp	202		6.518					
62 Nitrobenzene	77		6.547					9
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					9
230 Diallate Peak 2	86		6.695					
64 Isophorone	82		6.744					
140 Dimethoate	87		6.764					
66 2-Nitrophenol	139		6.819					
65 2,4-Dimethylphenol	107		6.830					
67 1,3,5-Trichlorobenzene	180		6.830					
71 Benzoic acid	122	6.839	6.889	-0.050	65	8959	1.81	
129 4-Aminobiphenyl	169		6.892					
70 Bis(2-chloroethoxy)methane	93		6.915					9
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					
146 Disulfoton	88		7.010					9
73 2,4-Dichlorophenol	162		7.017					
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180		7.102					
75 Naphthalene	128		7.177					9
76 4-Chloroaniline	127		7.204					
79 Hexachlorobutadiene	225		7.268					
152 Methyl parathion	109		7.282					9
80 1,2,3-Trichlorobenzene	180		7.295					
84 Caprolactam	113		7.487					
155 Ethyl Parathion	97		7.560					9
86 4-Chloro-3-methylphenol	107		7.594					9
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142		7.759					
158 Isodrin	66		7.816					9
88 1-Methylnaphthalene	142		7.850					
90 1,2,3,5-Tetrachlorobenzene	216		7.888					
89 Hexachlorocyclopentadiene	237		7.893					
92 2,4,6-Trichlorophenol	196		7.989					
93 2,4,5-Trichlorophenol	196		8.016					
226 Aramite Peak 1	185		8.131					
97 2,4-Toluene diamine	121		8.133					9
99 1,2,3,4 -Tetrachlorobenzene	216		8.144					
98 1,1'-Biphenyl	154		8.149					9
100 2-Chloronaphthalene	162		8.181					
229 Aramite Peak 2	185		8.185					
102 2-Nitroaniline	65		8.246					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163		8.384					9
107 2,6-Dinitrotoluene	165		8.443					9
167 Famphur	218		8.473					
108 1,2-Dinitrobenzene	168		8.497					
169 3,3'-Dimethylbenzidine	212		8.516					
109 Acenaphthylene	152		8.534					
110 3-Nitroaniline	138		8.593					
111 2,4-Dinitrophenol	184		8.678					
112 Acenaphthene	153		8.678					
113 4-Nitrophenol	109		8.700					
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165		8.785					9
116 Dibenzofuran	168		8.822					
118 2,3,5,6-Tetrachlorophenol	232		8.881					
121 Diethyl phthalate	149		8.977					9
123 4-Chlorophenyl phenyl ether	204		9.100					
125 4-Nitroaniline	138		9.111					
126 Fluorene	166		9.116					
128 4,6-Dinitro-2-methylphenol	198		9.132					
131 N-Nitrosodiphenylamine	169		9.191					
176 Hexabromobenzene	232		9.208					
133 Azobenzene	77		9.234					
132 1,2-Diphenylhydrazine	77		9.234					
139 4-Bromophenyl phenyl ether	248		9.517					
179 6-Methylchrysene	242		9.576					
141 Hexachlorobenzene	284		9.581					
142 Atrazine	200		9.624					
143 Pentachlorophenol	266		9.741					
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178		9.939					9
149 Anthracene	178		9.982					9
151 Carbazole	167		10.105					
154 Di-n-butyl phthalate	149		10.356					9
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202		10.959					9
160 Benzidine	184		11.050					
161 Pyrene	202		11.178					9
166 4,4'-DDE	246		11.233					9
165 4,4'-DDD	235		11.580					
187 Dibenz[a,h]acridine	279		11.729					
168 Butyl benzyl phthalate	149		11.787					9
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.922					
172 3,3'-Dimethoxybenzidine	244		12.418					
174 4,4'-Methylene bis(2-chloroanili	231		12.466					9
175 3,3'-Dichlorobenzidine	252		12.466					
173 Bis(2-ethylhexyl) phthalate	149	12.480	12.482	-0.002	89	162279	1.35	
177 Benzo[a]anthracene	228		12.525					9
178 Chrysene	228		12.573					9
180 Di-n-octyl phthalate	149		13.422					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
182 Benzo[b]fluoranthene	252		14.079					9
183 Benzo[k]fluoranthene	252		14.122					9
184 Benzo[a]pyrene	252		14.597					9
188 Indeno[1,2,3-cd]pyrene	276		16.403					
189 Dibenz(a,h)anthracene	278		16.430					9
190 Benzo[g,h,i]perylene	276		16.889					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 192 Octadecane (TIC)	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 235 4-isopropylphenol TIC	121		4.756					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

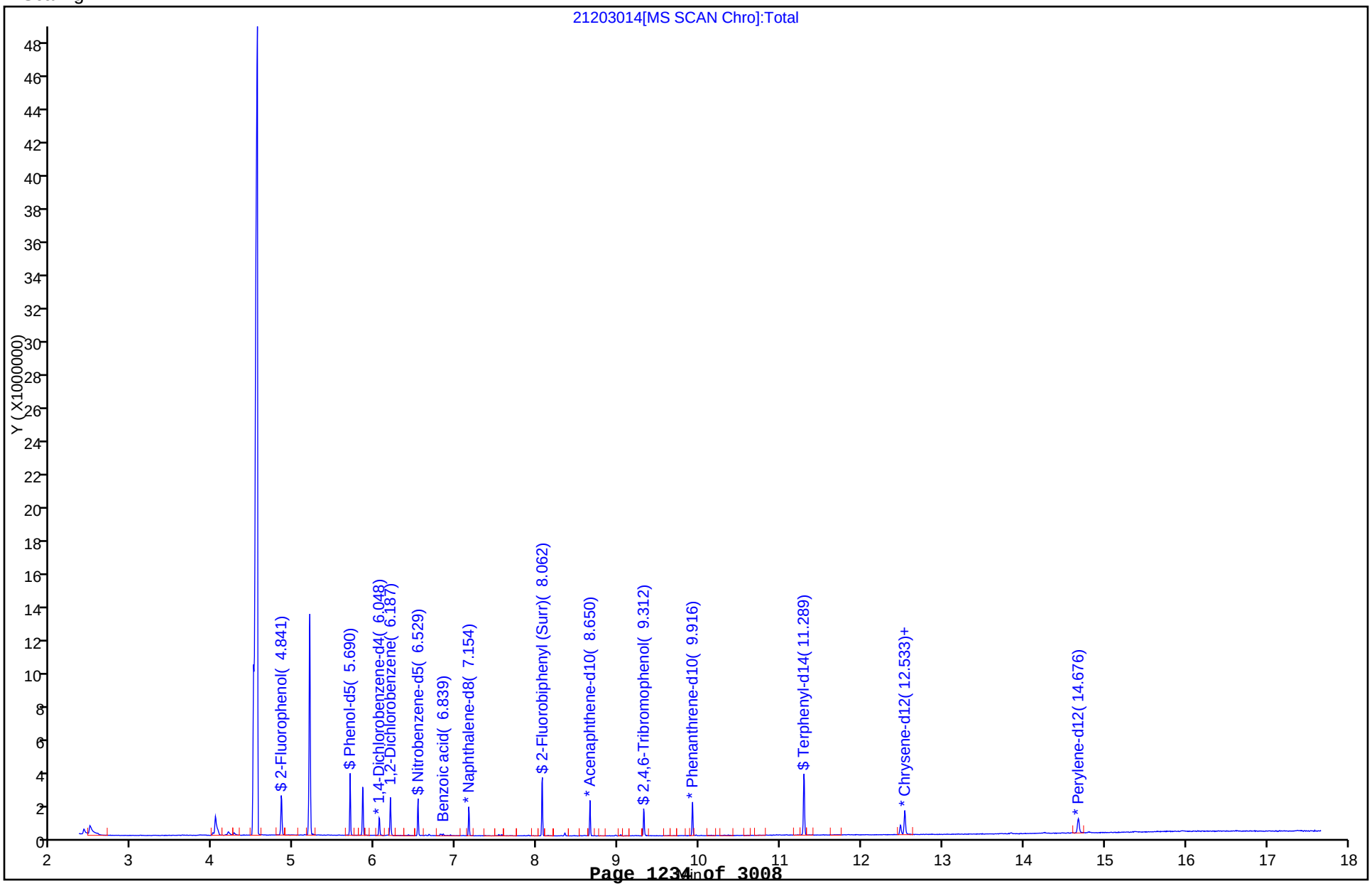
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 04-Dec-2012 09:30:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203014.D		
Injection Date:	03-Dec-2012 16:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



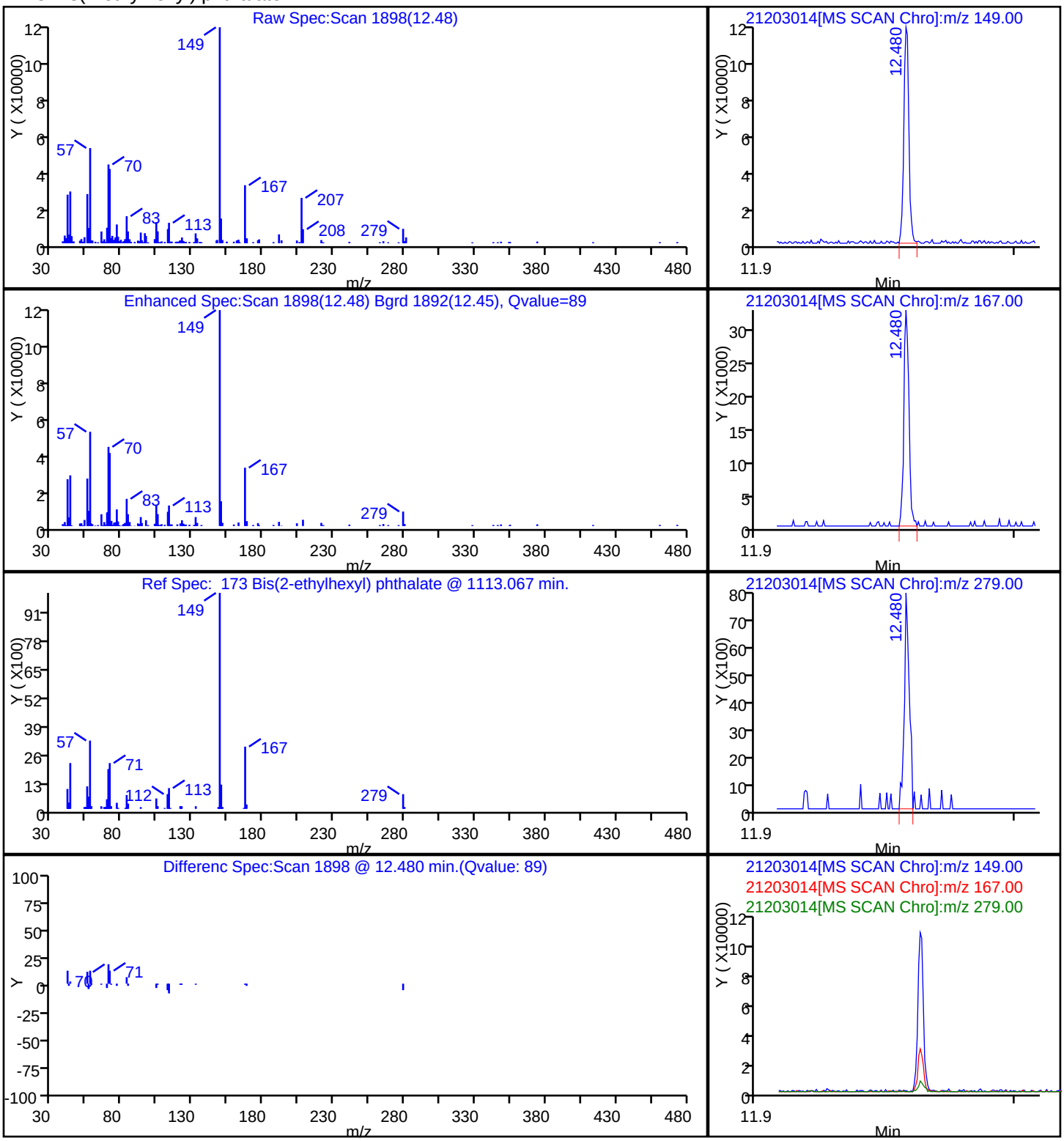
Report Date: 04-Dec-2012 09:30:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203014.D

Injection Date:	03-Dec-2012 16:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

173 Bis(2-ethylhexyl) phthalate



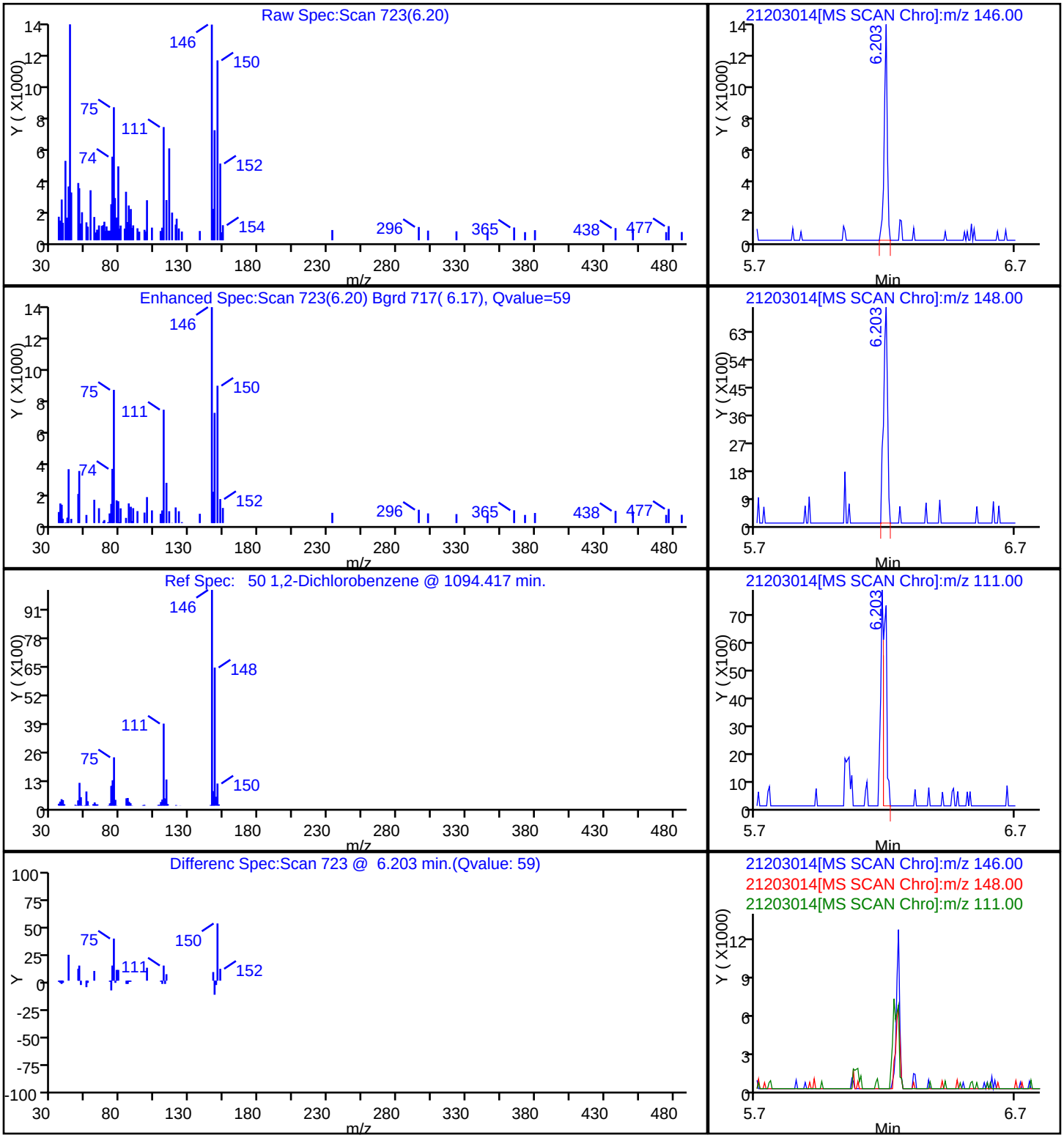
Report Date: 04-Dec-2012 09:30:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203014.D

Injection Date:	03-Dec-2012 16:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	14
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

50 1,2-Dichlorobenzene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-67436/23-A

Matrix: Solid | Lab File ID: 21207004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/05/2012 10:50

Sample wt/vol: 30.00(g) | Date Analyzed: 12/07/2012 14:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.7	3.3	3.3
120-12-7	Anthracene	3.3	U	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	27	U	50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	3.3	U	6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	50	3.3	3.3
106-46-7	1,4-Dichlorobenzene	27	U	50	27	20
95-50-1	1,2-Dichlorobenzene	27	U	50	27	9.7
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
91-94-1	3,3'-Dichlorobenzidine	80	U	100	80	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	50	27	16
105-67-9	2,4-Dimethylphenol	80	U	150	80	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-67436/23-A

Matrix: Solid | Lab File ID: 21207004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/05/2012 10:50

Sample wt/vol: 30.00(g) | Date Analyzed: 12/07/2012 14:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	80	U	150	80	80
51-28-5	2,4-Dinitrophenol	80	U	330	80	80
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	50	27	27
206-44-0	Fluoranthene	3.3	U	6.7	3.3	3.3
86-73-7	Fluorene	3.3	U	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	3.3	U	6.7	3.3	3.3
95-48-7	2-Methylphenol	80	U	200	80	80
15831-10-4	3 & 4 Methylphenol	80	U	400	80	20
91-20-3	Naphthalene	3.3	U	6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.1
99-09-2	3-Nitroaniline	80	U	200	80	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	80	U	330	80	80
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	80	U	150	80	80
85-01-8	Phenanthrene	3.3	U	6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	3.3	U	6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	80	U	150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-67436/23-A

Matrix: Solid | Lab File ID: 21207004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/05/2012 10:50

Sample wt/vol: 30.00(g) | Date Analyzed: 12/07/2012 14:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		45-105
367-12-4	2-Fluorophenol (Surr)	76		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	69		35-100
1718-51-0	Terphenyl-d14 (Surr)	77		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	58		35-125
4165-62-2	Phenol-d5 (Surr)	77		40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207004.D
Lims ID: MB 240-67436/23-A Client ID:
Inject. Date: 07-Dec-2012 14:08:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015623-004
Misc. Info.: MB 240-67436/23-A =MB 240-67436/23-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 67729 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 11:37:47 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 07-Dec-2012 14:43:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.951	5.949	0.002	86	127822	4.00	
* 2 Naphthalene-d8	136	7.067	7.066	0.001	98	524706	4.00	
* 3 Acenaphthene-d10	164	8.558	8.561	-0.003	63	339802	4.00	
* 4 Phenanthrene-d10	188	9.818	9.817	0.001	77	585620	4.00	
* 5 Chrysene-d12	240	12.383	12.381	0.002	77	583771	4.00	
* 6 Perylene-d12	264	14.466	14.470	-0.004	74	465793	4.00	
$ 7 2-Fluorophenol	112	4.701	4.688	0.013	92	573435	11.4	
$ 8 Phenol-d5	99	5.593	5.591	0.002	0	836706	11.5	
$ 9 Nitrobenzene-d5	82	6.431	6.435	-0.004	84	554439	6.90	
$ 10 2-Fluorobiphenyl (Surr)	172	7.970	7.974	-0.004	95	733669	6.50	
$ 11 2,4,6-Tribromophenol	330	9.225	9.224	0.001	88	114155	8.68	
$ 12 Terphenyl-d14	244	11.175	11.174	0.001	78	920506	7.70	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					
32 N-Nitrosomethylethylamine	88		2.374					
25 1,4-Dioxane	88		2.418					9
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
26 N-Nitrosodimethylamine	74		2.899					
27 Pyridine	79		2.947					9
37 Ethyl methanesulfonate	79		3.105					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.631					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					9
59 N-Nitrosomorpholine	56		4.013					
29 3-Chloropropionitrile	54		4.021					9
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
63 N-Nitrosopiperidine	114		4.254					
33 Malononitrile	66		4.416					9
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77		5.548					9
43 Phenol	94		5.602					9
44 Aniline	93		5.645					9
103 1,4-Naphthoquinone	158		5.680					
69 Bis(2-chloroethyl)ether	93		5.698					9
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128		5.751					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146		5.896					
48 1,4-Dichlorobenzene	146		5.965					
49 Benzyl alcohol	108		6.056					
115 Pentachlorobenzene	250		6.091					
50 1,2-Dichlorobenzene	146		6.099					
51 2-Methylphenol	108		6.147					9
117 1-Naphthylamine	143		6.166					
53 2,2'-oxybis[1-chloropropane]	45		6.179					9
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
21 3 & 4 Methylphenol	108		6.280					
57 N-Nitrosodi-n-propylamine	70		6.291					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105		6.296					9
122 Thionazin	97		6.305					
124 N-Nitro-o-toluidine	152		6.358					
127 Tributyl phosphate	99		6.379					9
61 Hexachloroethane	117		6.403					
130 Diphenylamine	169		6.428					
62 Nitrobenzene	77		6.451					9
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					
64 Isophorone	82		6.654					9
230 Diallate Peak 2	86		6.695					
66 2-Nitrophenol	139		6.729					
67 1,3,5-Trichlorobenzene	180		6.740					
65 2,4-Dimethylphenol	107		6.745					
140 Dimethoate	87		6.764					9
71 Benzoic acid	122		6.814					9
70 Bis(2-chloroethoxy)methane	93		6.831					
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162		6.932					
146 Disulfoton	88		7.010					9
74 1,2,4-Trichlorobenzene	180		7.012					
147 Dinoseb	211		7.020					
75 Naphthalene	128		7.087					
76 4-Chloroaniline	127		7.114					
79 Hexachlorobutadiene	225		7.183					
80 1,2,3-Trichlorobenzene	180		7.204					
152 Methyl parathion	109		7.282					
84 Caprolactam	113		7.402					
86 4-Chloro-3-methylphenol	107		7.509					
155 Ethyl Parathion	97		7.560					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142		7.675					
88 1-Methylnaphthalene	142		7.760					
90 1,2,3,5-Tetrachlorobenzene	216		7.803					
89 Hexachlorocyclopentadiene	237		7.803					
158 Isodrin	66		7.816					
92 2,4,6-Trichlorophenol	196		7.899					
93 2,4,5-Trichlorophenol	196		7.931					
97 2,4-Toluene diamine	121		8.043					9
99 1,2,3,4 -Tetrachlorobenzene	216		8.054					
98 1,1'-Biphenyl	154		8.065					
100 2-Chloronaphthalene	162		8.091					
226 Aramite Peak 1	185		8.131					
102 2-Nitroaniline	65		8.161					
229 Aramite Peak 2	185		8.185					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163		8.300					
107 2,6-Dinitrotoluene	165		8.358					
108 1,2-Dinitrobenzene	168		8.406					
109 Acenaphthylene	152		8.444					
167 Famphur	218		8.473					
110 3-Nitroaniline	138		8.503					
169 3,3'-Dimethylbenzidine	212		8.516					
112 Acenaphthene	153		8.588					
111 2,4-Dinitrophenol	184		8.593					
113 4-Nitrophenol	109		8.620					9
114 2,4-Dinitrotoluene	165		8.700					
171 2-Acetylaminofluorene	181		8.713					
116 Dibenzofuran	168		8.732					
118 2,3,5,6-Tetrachlorophenol	232		8.791					
121 Diethyl phthalate	149		8.887					9
123 4-Chlorophenyl phenyl ether	204		9.005					
125 4-Nitroaniline	138		9.021					
126 Fluorene	166		9.021					
128 4,6-Dinitro-2-methylphenol	198		9.042					
131 N-Nitrosodiphenylamine	169		9.101					
133 Azobenzene	77		9.144					9
132 1,2-Diphenylhydrazine	77		9.144					9
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248		9.421					
141 Hexachlorobenzene	284		9.486					
142 Atrazine	200		9.534					
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266		9.646					
148 Phenanthrene	178		9.838					9
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
149 Anthracene	178		9.881					9
151 Carbazole	167		10.004					
154 Di-n-butyl phthalate	149		10.260					9
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202		10.848					9
160 Benzidine	184		10.944					
161 Pyrene	202		11.061					
166 4,4'-DDE	246		11.111					9
165 4,4'-DDD	235		11.490					
168 Butyl benzyl phthalate	149		11.654					
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.779					
186 Dibenz[a,j]acridine	279		11.804					
172 3,3'-Dimethoxybenzidine	244		12.269					
175 3,3'-Dichlorobenzidine	252		12.312					
174 4,4'-Methylene bis(2-chloroanili	231		12.312					9
173 Bis(2-ethylhexyl) phthalate	149		12.333					9
177 Benzo[a]anthracene	228		12.370					9
178 Chrysene	228		12.418					9
180 Di-n-octyl phthalate	149		13.246					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
182 Benzo[b]fluoranthene	252		13.887					
183 Benzo[k]fluoranthene	252		13.930					
184 Benzo[a]pyrene	252		14.390					9
188 Indeno[1,2,3-cd]pyrene	276		16.142					
189 Dibenz(a,h)anthracene	278		16.169					
190 Benzo[g,h,i]perylene	276		16.601					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

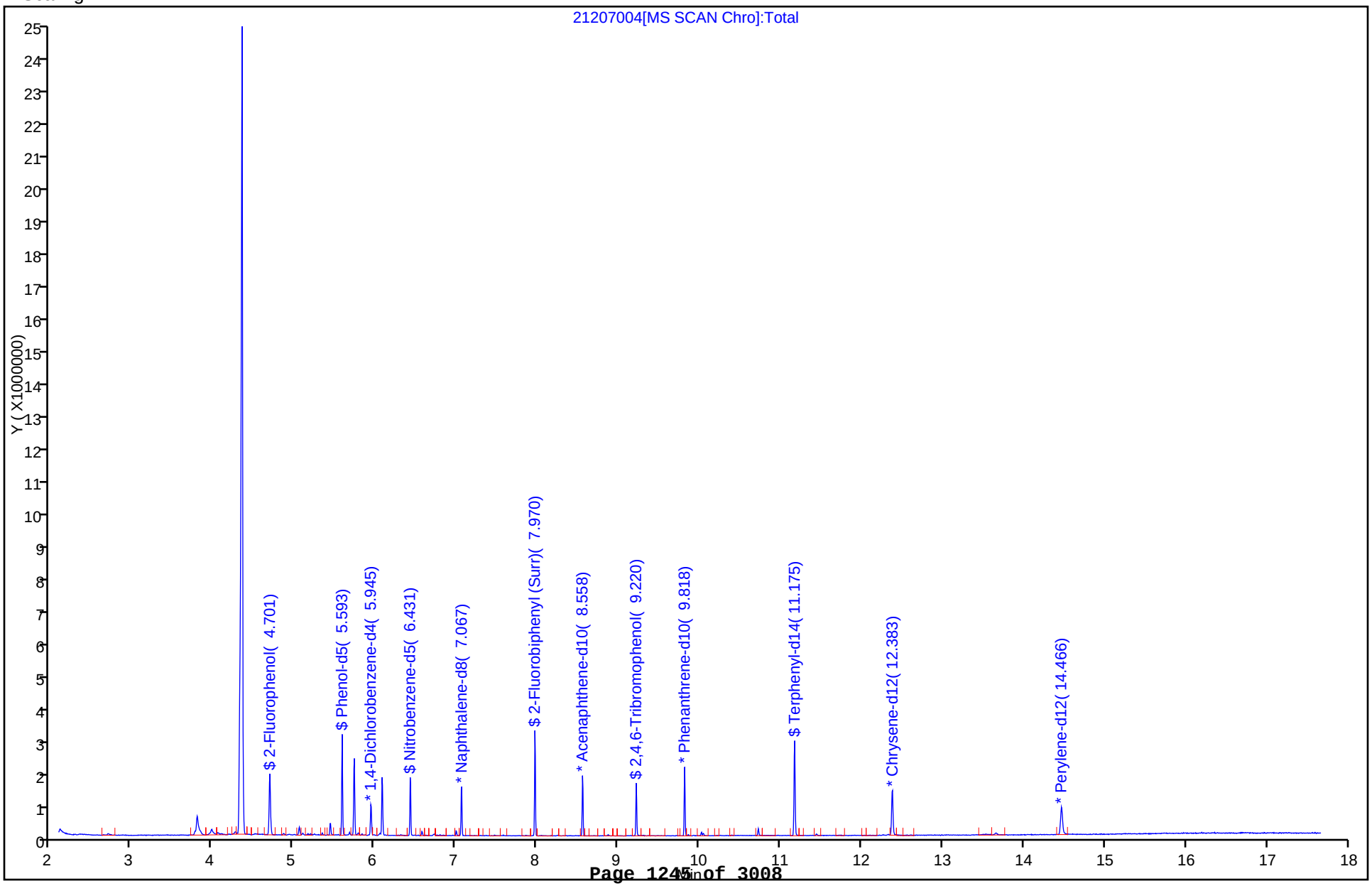
Report Date: 08-Dec-2012 11:37:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207004.D

Injection Date:	07-Dec-2012 14:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-64920/24-A

Matrix: Water | Lab File ID: 21116005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1000(mL) | Date Analyzed: 11/16/2012 10:40

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	15.8		0.20	0.10	0.10
208-96-8	Acenaphthylene	15.6		0.20	0.10	0.10
120-12-7	Anthracene	15.2		0.20	0.10	0.10
56-55-3	Benzo[a]anthracene	14.1		0.20	0.10	0.10
50-32-8	Benzo[a]pyrene	12.1		0.20	0.10	0.10
205-99-2	Benzo[b]fluoranthene	13.2		0.20	0.10	0.10
191-24-2	Benzo[g,h,i]perylene	14.3		0.20	0.10	0.10
65-85-0	Benzoic acid	11.2	J	25	10	10
207-08-9	Benzo[k]fluoranthene	14.8		0.20	0.10	0.10
100-51-6	Benzyl alcohol	16.7		5.0	0.80	0.38
111-91-1	Bis(2-chloroethoxy)methane	15.7		1.0	0.80	0.32
111-44-4	Bis(2-chloroethyl)ether	17.0		1.0	0.10	0.10
108-60-1	bis (2-chloroisopropyl) ether	16.6		1.0	0.80	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	18.9		2.0	0.80	0.80
101-55-3	4-Bromophenyl phenyl ether	15.8		2.0	0.80	0.80
85-68-7	Butyl benzyl phthalate	14.6		1.0	0.80	0.80
86-74-8	Carbazole	15.5		1.0	0.80	0.28
106-47-8	4-Chloroaniline	13.0		2.0	0.80	0.80
59-50-7	4-Chloro-3-methylphenol	16.1		2.0	0.80	0.80
91-58-7	2-Chloronaphthalene	15.5		1.0	0.10	0.10
95-57-8	2-Chlorophenol	16.9		1.0	0.80	0.29
7005-72-3	4-Chlorophenyl phenyl ether	15.4		2.0	0.80	0.30
218-01-9	Chrysene	15.2		0.20	0.10	0.10
53-70-3	Dibenz(a,h)anthracene	14.8		0.20	0.10	0.10
132-64-9	Dibenzofuran	15.4		1.0	0.10	0.10
106-46-7	1,4-Dichlorobenzene	16.2		1.0	0.80	0.34
95-50-1	1,2-Dichlorobenzene	15.9		1.0	0.80	0.29
541-73-1	1,3-Dichlorobenzene	15.5		1.0	0.80	0.80
91-94-1	3,3'-Dichlorobenzidine	8.65		5.0	0.80	0.37
120-83-2	2,4-Dichlorophenol	16.3		2.0	0.80	0.80
84-66-2	Diethyl phthalate	15.8		1.0	0.80	0.60
105-67-9	2,4-Dimethylphenol	11.7		2.0	0.80	0.80
131-11-3	Dimethyl phthalate	15.8		1.0	0.80	0.29
84-74-2	Di-n-butyl phthalate	15.6		1.0	0.80	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-64920/24-A

Matrix: Water | Lab File ID: 21116005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1000(mL) | Date Analyzed: 11/16/2012 10:40

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	15.6		5.0	2.4	2.4
51-28-5	2,4-Dinitrophenol	12.1		5.0	2.4	2.4
121-14-2	2,4-Dinitrotoluene	16.5		5.0	0.80	0.27
606-20-2	2,6-Dinitrotoluene	16.9		5.0	0.80	0.80
117-84-0	Di-n-octyl phthalate	14.4		1.0	0.80	0.80
206-44-0	Fluoranthene	15.8		0.20	0.10	0.10
86-73-7	Fluorene	15.4		0.20	0.10	0.10
118-74-1	Hexachlorobenzene	14.7		0.20	0.10	0.10
87-68-3	Hexachlorobutadiene	14.2		1.0	0.80	0.27
77-47-4	Hexachlorocyclopentadiene	5.64	J	10	0.80	0.80
67-72-1	Hexachloroethane	15.3		1.0	0.80	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	14.5		0.20	0.10	0.10
78-59-1	Isophorone	16.3		1.0	0.80	0.27
91-57-6	2-Methylnaphthalene	15.8		0.20	0.10	0.10
95-48-7	2-Methylphenol	16.6		1.0	0.80	0.80
15831-10-4	3 & 4 Methylphenol	33.4		2.0	0.80	0.80
91-20-3	Naphthalene	15.8		0.20	0.10	0.10
88-74-4	2-Nitroaniline	16.1		2.0	0.80	0.80
99-09-2	3-Nitroaniline	14.8		2.0	0.80	0.28
100-01-6	4-Nitroaniline	16.0		2.0	0.80	0.80
98-95-3	Nitrobenzene	15.9		1.0	0.10	0.040
88-75-5	2-Nitrophenol	16.3		2.0	0.80	0.28
100-02-7	4-Nitrophenol	15.1		5.0	2.4	2.4
621-64-7	N-Nitrosodi-n-propylamine	16.6		1.0	0.80	0.80
86-30-6	N-Nitrosodiphenylamine	15.1		1.0	0.80	0.31
87-86-5	Pentachlorophenol	10.5		5.0	2.4	2.4
85-01-8	Phenanthrene	15.4		0.20	0.10	0.10
108-95-2	Phenol	16.8		1.0	0.80	0.60
129-00-0	Pyrene	14.5		0.20	0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	14.5		1.0	0.80	0.28
95-95-4	2,4,5-Trichlorophenol	15.3		5.0	0.80	0.30
88-06-2	2,4,6-Trichlorophenol	15.7		5.0	0.80	0.80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-64920/24-A

Matrix: Water | Lab File ID: 21116005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1000(mL) | Date Analyzed: 11/16/2012 10:40

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	74		50-110
367-12-4	2-Fluorophenol (Surr)	84		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	75		40-110
1718-51-0	Terphenyl-d14 (Surr)	81		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	79		40-125
4165-62-2	Phenol-d5 (Surr)	85		10-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116005.D
Lims ID: LCS 240-64920/24-A Client ID:
Inject. Date: 16-Nov-2012 10:40:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015012-005
Misc. Info.: LCS 240-64920/24-A =LCS 240-64920/24-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 65294 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m
Last Update: 17-Nov-2012 12:48:08 Calib Date: 15-Nov-2012 10:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 16-Nov-2012 11:20:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.674	3.677	-0.003	86	117485	4.00	
* 2 Naphthalene-d8	136	4.636	4.639	-0.003	98	476759	4.00	
* 3 Acenaphthene-d10	164	5.928	5.931	-0.003	74	317597	4.00	
* 4 Phenanthrene-d10	188	7.007	7.010	-0.003	95	576386	4.00	
* 5 Chrysene-d12	240	8.946	8.949	-0.003	76	613814	4.00	
* 6 Perylene-d12	264	10.212	10.215	-0.003	95	504940	4.00	
$ 7 2-Fluorophenol	112	2.676	2.673	0.003	93	555744	12.6	
$ 8 Phenol-d5	99	3.370	3.373	-0.003	0	799108	12.7	
$ 9 Nitrobenzene-d5	82	4.091	4.094	-0.003	82	540556	7.48	
$ 10 2-Fluorobiphenyl (Surr)	172	5.421	5.424	-0.003	99	785861	7.44	
$ 11 2,4,6-Tribromophenol	330	6.500	6.503	-0.003	83	130250	11.8	
$ 12 Terphenyl-d14	244	8.140	8.142	-0.002	98	952296	8.07	
25 1,4-Dioxane	88	1.586	1.578	0.008	79	150224	5.98	
26 N-Nitrosodimethylamine	74	1.762	1.765	-0.003	86	301703	7.34	
27 Pyridine	79	1.800	1.792	0.008	92	66803	1.07	
31 2-Picoline	93	2.275	2.338	-0.063	89	52453	0.8568	
37 Ethyl methanesulfonate	79	3.066	3.123	-0.057	93	341608	7.62	
41 Benzaldehyde	77	3.343	3.346	-0.003	85	435363	8.76	
43 Phenol	94	3.381	3.383	-0.002	93	572151	8.40	
44 Aniline	93	3.423	3.426	-0.003	94	524621	6.11	
69 Bis(2-chloroethyl)ether	93	3.455	3.458	-0.003	96	465078	8.49	
46 2-Chlorophenol	128	3.520	3.522	-0.002	85	336267	8.44	
47 1,3-Dichlorobenzene	146	3.637	3.640	-0.003	83	356224	7.77	
48 1,4-Dichlorobenzene	146	3.690	3.693	-0.003	81	364119	8.09	
49 Benzyl alcohol	108	3.765	3.768	-0.003	85	266905	8.36	
50 1,2-Dichlorobenzene	146	3.808	3.811	-0.003	84	346771	7.96	
51 2-Methylphenol	108	3.845	3.848	-0.003	94	367354	8.30	
53 2,2'-oxybis[1-chloropropane]	45	3.867	3.864	0.003	98	396984	8.28	
21 3 & 4 Methylphenol	108	3.963	3.960	0.003	94	787339	16.7	
57 N-Nitrosodi-n-propylamine	70	3.968	3.971	-0.003	72	395586	8.28	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105	3.974	3.976	-0.002	89	590049	8.40	
61 Hexachloroethane	117	4.070	4.067	0.003	89	142212	7.63	
62 Nitrobenzene	77	4.107	4.110	-0.003	75	568052	7.94	
64 Isophorone	82	4.278	4.286	-0.008	95	1026754	8.15	
66 2-Nitrophenol	139	4.347	4.350	-0.003	95	193306	8.14	
65 2,4-Dimethylphenol	107	4.358	4.361	-0.003	94	340626	5.87	
70 Bis(2-chloroethoxy)methane	93	4.428	4.430	-0.002	94	521233	7.84	
71 Benzoic acid	122	4.428	4.468	-0.040	54	134121	5.62	
73 2,4-Dichlorophenol	162	4.524	4.526	-0.002	94	294419	8.15	
74 1,2,4-Trichlorobenzene	180	4.593	4.596	-0.003	86	314602	7.25	
75 Naphthalene	128	4.652	4.655	-0.003	98	978152	7.91	
76 4-Chloroaniline	127	4.679	4.681	-0.002	88	346699	6.51	
79 Hexachlorobutadiene	225	4.743	4.740	0.003	87	182753	7.08	
84 Caprolactam	113	4.935	4.948	-0.013	80	136170	8.16	
86 4-Chloro-3-methylphenol	107	5.031	5.034	-0.003	81	405625	8.05	
82 Quinoline	129		5.099					
94 Safrole, Total	162	5.084	5.142	-0.058	81	276630	8.07	
87 2-Methylnaphthalene	142	5.165	5.162	0.003	84	643213	7.89	
88 1-Methylnaphthalene	142	5.239	5.237	0.002	79	612888	7.93	
89 Hexachlorocyclopentadiene	237	5.282	5.280	0.002	95	89450	2.82	
92 2,4,6-Trichlorophenol	196	5.368	5.365	0.003	86	241954	7.87	
93 2,4,5-Trichlorophenol	196	5.394	5.397	-0.003	93	251071	7.63	
98 1,1'-Biphenyl	154	5.496	5.499	-0.002	96	793569	7.42	
100 2-Chloronaphthalene	162	5.522	5.525	-0.003	96	664252	7.73	
102 2-Nitroaniline	65	5.587	5.589	-0.002	72	294606	8.04	
105 Dimethyl phthalate	163	5.704	5.701	0.003	96	799583	7.92	
104 1,4-Dinitrobenzene	168	5.677	5.729	-0.052	85	129822	8.85	
107 2,6-Dinitrotoluene	165	5.752	5.755	-0.003	68	195790	8.44	
106 1,3-Dinitrobenzene	168	5.736	5.788	-0.052	80	142144	8.79	
108 1,2-Dinitrobenzene	168	5.800	5.803	-0.003	81	98313	8.41	
109 Acenaphthylene	152	5.827	5.830	-0.003	87	1064930	7.82	
110 3-Nitroaniline	138	5.880	5.883	-0.003	85	176571	7.38	
112 Acenaphthene	153	5.955	5.953	0.003	94	662735	7.88	
111 2,4-Dinitrophenol	184	5.960	5.963	-0.003	67	103413	6.04	
113 4-Nitrophenol	109	5.992	5.995	-0.003	88	131675	7.57	
114 2,4-Dinitrotoluene	165	6.051	6.054	-0.003	82	259084	8.25	
116 Dibenzofuran	168	6.078	6.081	-0.003	83	950306	7.72	
118 2,3,5,6-Tetrachlorophenol	232	6.131	6.134	-0.003	88	191951	7.21	
121 Diethyl phthalate	149	6.206	6.209	-0.003	96	785242	7.89	
119 2,3,4,6-Tetrachlorophenol	232	6.163	6.226	-0.063	67	201378	8.25	
123 4-Chlorophenyl phenyl ether	204	6.308	6.310	-0.002	91	419319	7.71	
126 Fluorene	166	6.324	6.326	-0.002	71	803391	7.72	
125 4-Nitroaniline	138	6.324	6.332	-0.008	60	204863	7.98	
128 4,6-Dinitro-2-methylphenol	198	6.350	6.353	-0.003	85	170491	7.82	
131 N-Nitrosodiphenylamine	169	6.393	6.396	-0.003	98	602924	7.56	
133 Azobenzene	77	6.425	6.428	-0.003	96	1122984	7.65	
132 1,2-Diphenylhydrazine	77	6.425	6.428	-0.003	98	1122984	7.65	
137 Phenacetin	108	6.596	6.658	-0.062	82	456984	7.99	
139 4-Bromophenyl phenyl ether	248	6.665	6.663	0.002	63	230129	7.89	
138 Phorate	121	6.596	6.664	-0.068	86	150800	7.12	
141 Hexachlorobenzene	284	6.735	6.738	-0.003	83	205446	7.36	
142 Atrazine	200	6.762	6.764	-0.002	88	256751	9.31	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	6.868	6.871	-0.003	87	104821	5.23	
144 Pronamide	173	6.879	6.942	-0.063	84	370636	8.04	
148 Phenanthrene	178	7.023	7.026	-0.003	87	1188744	7.72	
149 Anthracene	178	7.061	7.063	-0.002	87	1207769	7.59	
151 Carbazole	167	7.168	7.170	-0.002	82	1085288	7.76	
154 Di-n-butyl phthalate	149	7.376	7.379	-0.003	100	1363121	7.82	
159 Fluoranthene	202	7.889	7.891	-0.002	98	1428555	7.91	
161 Pyrene	202	8.059	8.062	-0.003	96	1416376	7.26	
164 Chlorobenzilate	139	8.257	8.325	-0.068	90	376420	7.47	
168 Butyl benzyl phthalate	149	8.471	8.473	-0.002	93	611407	7.30	
173 Bis(2-ethylhexyl) phthalate	149	8.882	8.879	0.003	95	1112150	9.45	
175 3,3'-Dichlorobenzidine	252	8.893	8.901	-0.008	53	291065	4.33	
177 Benzo[a]anthracene	228	8.935	8.944	-0.009	89	1363026	7.07	
178 Chrysene	228	8.967	8.970	-0.003	93	1306317	7.60	
180 Di-n-octyl phthalate	149	9.368	9.365	0.003	98	1467712	7.19	
182 Benzo[b]fluoranthene	252	9.827	9.830	-0.003	84	1238486	6.62	
183 Benzo[k]fluoranthene	252	9.849	9.857	-0.008	89	1273890	7.42	
184 Benzo[a]pyrene	252	10.158	10.161	-0.003	77	985349	6.07	
188 Indeno[1,2,3-cd]pyrene	276	11.563	11.577	-0.014	90	1215399	7.24	
189 Dibenz(a,h)anthracene	278	11.563	11.577	-0.014	65	1036934	7.39	
190 Benzo[g,h,i]perylene	276	11.974	11.983	-0.009	90	1010715	7.16	

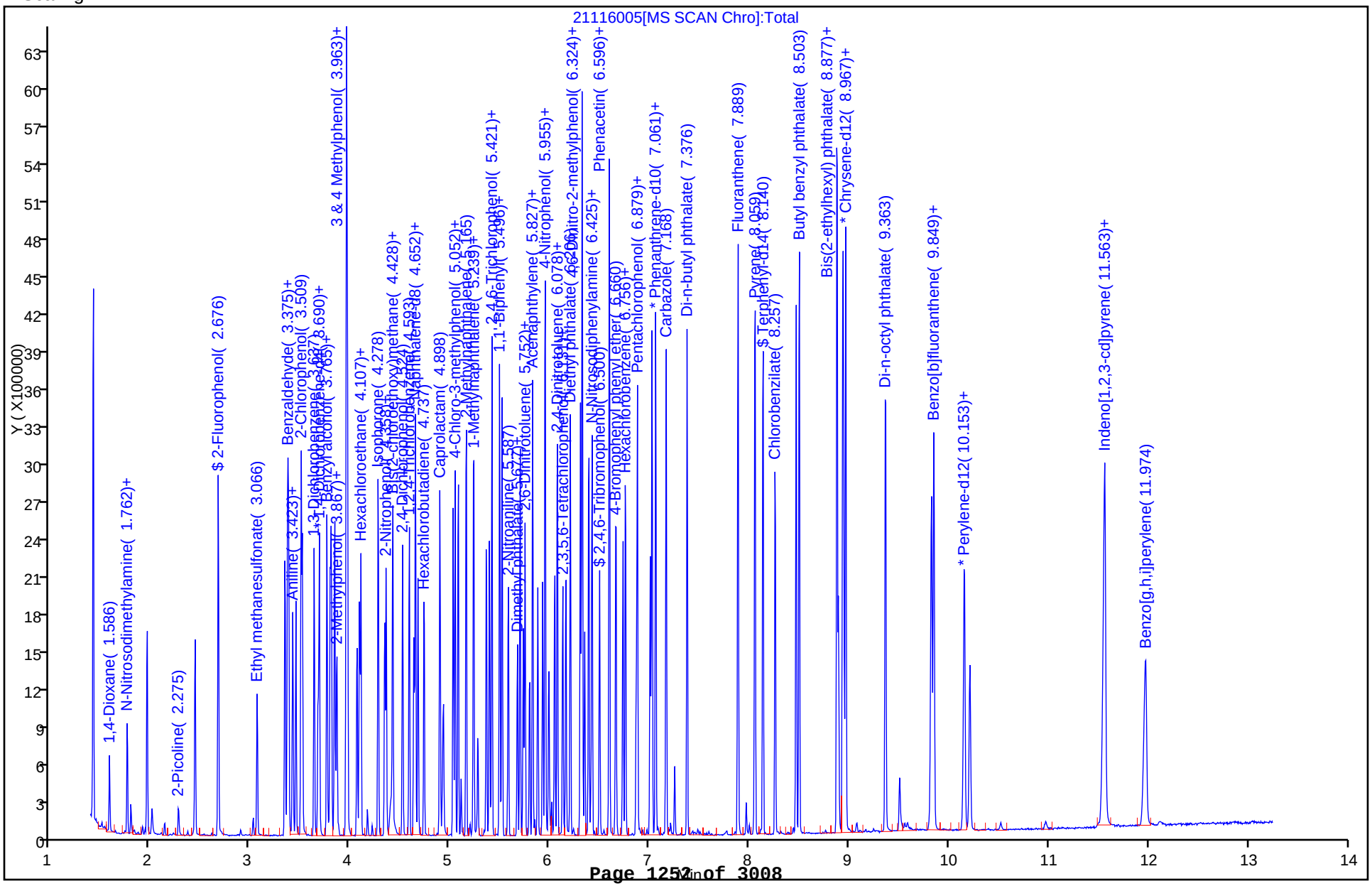
Report Date: 17-Nov-2012 12:48:10 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116005.D

Injection Date:	16-Nov-2012 10:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65933/24-A

Matrix: Solid | Lab File ID: 21203015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.00(g) | Date Analyzed: 12/03/2012 17:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	497		6.7	3.3	3.3
208-96-8	Acenaphthylene	494		6.7	3.3	3.3
120-12-7	Anthracene	487		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	485		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	451		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	498		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	502		6.7	3.3	3.3
65-85-0	Benzoic acid	502	J	660	330	330
207-08-9	Benzo[k]fluoranthene	513		6.7	3.3	3.3
100-51-6	Benzyl alcohol	455		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	489		100	27	22
111-44-4	Bis(2-chloroethyl)ether	475		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	467		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	518		50	27	19
101-55-3	4-Bromophenyl phenyl ether	523		50	27	13
85-68-7	Butyl benzyl phthalate	488		50	27	10
86-74-8	Carbazole	482		50	27	27
106-47-8	4-Chloroaniline	366		150	27	17
59-50-7	4-Chloro-3-methylphenol	495		150	27	21
91-58-7	2-Chloronaphthalene	485		50	3.3	3.3
95-57-8	2-Chlorophenol	474		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	508		50	27	13
218-01-9	Chrysene	521		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	503		6.7	3.3	3.3
132-64-9	Dibenzofuran	502		50	3.3	3.3
106-46-7	1,4-Dichlorobenzene	461		50	27	20
95-50-1	1,2-Dichlorobenzene	599		50	27	9.7
541-73-1	1,3-Dichlorobenzene	433		50	27	11
91-94-1	3,3'-Dichlorobenzidine	335		100	80	18
120-83-2	2,4-Dichlorophenol	495		150	27	20
84-66-2	Diethyl phthalate	514		50	27	16
105-67-9	2,4-Dimethylphenol	275		150	80	20
131-11-3	Dimethyl phthalate	508		50	27	17
84-74-2	Di-n-butyl phthalate	504		50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65933/24-A

Matrix: Solid | Lab File ID: 21203015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.00(g) | Date Analyzed: 12/03/2012 17:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	428		150	80	80
51-28-5	2,4-Dinitrophenol	413		330	80	80
121-14-2	2,4-Dinitrotoluene	561		200	27	27
606-20-2	2,6-Dinitrotoluene	580		200	27	21
117-84-0	Di-n-octyl phthalate	476		50	27	27
206-44-0	Fluoranthene	501		6.7	3.3	3.3
86-73-7	Fluorene	504		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	494		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	465		50	27	27
77-47-4	Hexachlorocyclopentadiene	410		330	27	27
67-72-1	Hexachloroethane	433		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	502		6.7	3.3	3.3
78-59-1	Isophorone	483		50	27	13
91-57-6	2-Methylnaphthalene	488		6.7	3.3	3.3
95-48-7	2-Methylphenol	448		200	80	80
15831-10-4	3 & 4 Methylphenol	974		400	80	20
91-20-3	Naphthalene	477		6.7	3.3	3.3
88-74-4	2-Nitroaniline	516		200	27	9.1
99-09-2	3-Nitroaniline	453		200	80	16
100-01-6	4-Nitroaniline	492		200	27	26
98-95-3	Nitrobenzene	499		100	3.3	2.2
88-75-5	2-Nitrophenol	502		50	27	27
100-02-7	4-Nitrophenol	565		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	491		50	27	27
86-30-6	N-Nitrosodiphenylamine	484		50	27	21
87-86-5	Pentachlorophenol	385		150	80	80
85-01-8	Phenanthrene	498		6.7	3.3	3.3
108-95-2	Phenol	472		50	27	27
129-00-0	Pyrene	494		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	448		50	27	27
95-95-4	2,4,5-Trichlorophenol	474		150	27	25
88-06-2	2,4,6-Trichlorophenol	475		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65933/24-A

Matrix: Solid | Lab File ID: 21203015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.00(g) | Date Analyzed: 12/03/2012 17:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	68		45-105
367-12-4	2-Fluorophenol (Surr)	74		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	72		35-100
1718-51-0	Terphenyl-d14 (Surr)	77		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	73		35-125
4165-62-2	Phenol-d5 (Surr)	75		40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203015.D
Lims ID: LCS 240-65933/24-A Client ID:
Inject. Date: 03-Dec-2012 17:08:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015467-015
Misc. Info.: LCS 240-65933/24-A =LCS 240-65933/24-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 67070 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 09:30:37 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm Date: 04-Dec-2012 08:09:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.048	6.050	-0.002	80	148506	4.00	
* 2 Naphthalene-d8	136	7.154	7.156	-0.002	96	598299	4.00	
* 3 Acenaphthene-d10	164	8.649	8.652	-0.003	63	366348	4.00	
* 4 Phenanthrene-d10	188	9.916	9.918	-0.002	77	660166	4.00	
* 5 Chrysene-d12	240	12.539	12.541	-0.002	79	664965	4.00	
* 6 Perylene-d12	264	14.675	14.677	-0.002	88	519884	4.00	
$ 7 2-Fluorophenol	112	4.841	4.832	0.009	94	646900	11.1	
$ 8 Phenol-d5	99	5.690	5.687	0.003	0	949225	11.2	
$ 9 Nitrobenzene-d5	82	6.529	6.531	-0.002	83	657560	7.18	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.059	0.003	98	831822	6.84	
$ 11 2,4,6-Tribromophenol	330	9.317	9.319	-0.002	86	155062	10.9	
$ 12 Terphenyl-d14	244	11.288	11.291	-0.003	80	1045101	7.67	
31 2-Picoline	93		2.310					
25 1,4-Dioxane	88	2.789	2.807	-0.018	76	82193	2.85	
37 Ethyl methanesulfonate	79		3.105					9
26 N-Nitrosodimethylamine	74	3.270	3.272	-0.002	89	240633	6.35	
27 Pyridine	79	3.313	3.320	-0.007	93	395406	5.12	
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
41 Benzaldehyde	77	5.663	5.665	-0.002	83	496623	6.85	
43 Phenol	94	5.706	5.703	0.003	94	676832	7.08	
104 1,4-Dinitrobenzene	168		5.712					
44 Aniline	93	5.754	5.751	0.003	83	528374	4.42	
106 1,3-Dinitrobenzene	168		5.771					
69 Bis(2-chloroethyl)ether	93	5.802	5.804	-0.002	95	525305	7.12	
46 2-Chlorophenol	128	5.861	5.858	0.003	83	385697	7.11	
47 1,3-Dichlorobenzene	146	6.000	6.002	-0.002	80	378496	6.49	
48 1,4-Dichlorobenzene	146	6.064	6.066	-0.002	77	407414	6.92	
49 Benzyl alcohol	108	6.155	6.157	-0.002	84	305037	6.82	
50 1,2-Dichlorobenzene	146	6.203	6.199	0.004	79	509388	8.99	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
119 2,3,4,6-Tetrachlorophenol	232		6.203					
51 2-Methylphenol	108	6.240	6.237	0.003	94	428563	6.72	
53 2,2'-oxybis[1-chloropropane]	45	6.272	6.274	-0.002	96	527056	7.01	
21 3 & 4 Methylphenol	108	6.368	6.365	0.003	94	991759	14.6	
57 N-Nitrosodi-n-propylamine	70	6.384	6.386	-0.002	71	492138	7.36	
58 Acetophenone	105	6.390	6.392	-0.002	69	672640	6.83	
61 Hexachloroethane	117	6.502	6.504	-0.002	90	178987	6.50	
62 Nitrobenzene	77	6.545	6.547	-0.002	77	720777	7.48	
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					9
64 Isophorone	82	6.742	6.744	-0.002	94	1274613	7.25	
66 2-Nitrophenol	139	6.817	6.819	-0.002	82	198068	7.54	
65 2,4-Dimethylphenol	107	6.828	6.830	-0.002	95	304450	4.12	
71 Benzoic acid	122	6.865	6.889	-0.024	78	203643	7.54	
70 Bis(2-chloroethoxy)methane	93	6.919	6.915	0.004	97	659869	7.34	
144 Pronamide	173		6.919					9
73 2,4-Dichlorophenol	162	7.020	7.017	0.003	90	314576	7.42	
74 1,2,4-Trichlorobenzene	180	7.100	7.102	-0.002	76	351967	6.71	
75 Naphthalene	128	7.175	7.177	-0.002	81	1174524	7.15	
76 4-Chloroaniline	127	7.202	7.204	-0.002	78	357259	5.50	
79 Hexachlorobutadiene	225	7.266	7.268	-0.002	85	199516	6.98	
84 Caprolactam	113	7.480	7.487	-0.007	76	131746	7.62	
86 4-Chloro-3-methylphenol	107	7.592	7.594	-0.002	81	461852	7.43	
87 2-Methylnaphthalene	142	7.763	7.759	0.004	86	754674	7.33	
88 1-Methylnaphthalene	142	7.848	7.850	-0.002	80	722336	7.25	
89 Hexachlorocyclopentadiene	237	7.891	7.893	-0.002	81	181141	6.15	
92 2,4,6-Trichlorophenol	196	7.987	7.989	-0.002	82	226109	7.13	
93 2,4,5-Trichlorophenol	196	8.019	8.016	0.003	89	248301	7.11	
98 1,1'-Biphenyl	154	8.147	8.149	-0.002	95	959915	7.25	
100 2-Chloronaphthalene	162	8.179	8.181	-0.002	91	735414	7.28	
102 2-Nitroaniline	65	8.249	8.246	0.003	72	364060	7.74	
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163	8.388	8.384	0.004	92	906974	7.62	
107 2,6-Dinitrotoluene	165	8.446	8.443	0.003	72	215369	8.70	
108 1,2-Dinitrobenzene	168	8.495	8.497	-0.002	79	97568	8.02	
109 Acenaphthylene	152	8.532	8.534	-0.002	87	1194362	7.41	
110 3-Nitroaniline	138	8.591	8.593	-0.002	82	180877	6.79	
111 2,4-Dinitrophenol	184	8.676	8.678	-0.002	47	83628	6.19	
112 Acenaphthene	153	8.676	8.678	-0.002	89	761952	7.46	
113 4-Nitrophenol	109	8.698	8.700	-0.002	74	165947	8.47	
114 2,4-Dinitrotoluene	165	8.788	8.785	0.003	78	279367	8.41	
116 Dibenzofuran	168	8.826	8.822	0.004	84	1109931	7.53	
118 2,3,5,6-Tetrachlorophenol	232	8.879	8.881	-0.002	85	187859	6.48	
121 Diethyl phthalate	149	8.975	8.977	-0.002	94	908276	7.71	
123 4-Chlorophenyl phenyl ether	204	9.098	9.100	-0.002	86	482314	7.61	
125 4-Nitroaniline	138	9.109	9.111	-0.002	75	206970	7.38	
126 Fluorene	166	9.114	9.116	-0.002	70	944259	7.56	
128 4,6-Dinitro-2-methylphenol	198	9.130	9.132	-0.002	72	152035	6.42	
131 N-Nitrosodiphenylamine	169	9.194	9.191	0.003	94	662157	7.26	
133 Azobenzene	77	9.232	9.234	-0.002	93	1701696	7.66	
132 1,2-Diphenylhydrazine	77	9.232	9.234	-0.002	100	1702024	7.66	
139 4-Bromophenyl phenyl ether	248	9.515	9.517	-0.002	68	261040	7.84	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Hexachlorobenzene	284	9.579	9.581	-0.002	72	249101	7.42	
142 Atrazine	200	9.622	9.624	-0.002	72	277633	9.56	
143 Pentachlorophenol	266	9.739	9.741	-0.002	80	133253	5.77	
148 Phenanthrene	178	9.937	9.939	-0.002	83	1472992	7.47	
149 Anthracene	178	9.980	9.982	-0.002	84	1442031	7.30	
151 Carbazole	167	10.103	10.105	-0.002	62	1279047	7.23	
154 Di-n-butyl phthalate	149	10.354	10.356	-0.002	100	1643394	7.56	
159 Fluoranthene	202	10.957	10.959	-0.002	78	1693024	7.52	
161 Pyrene	202	11.176	11.178	-0.002	73	1704041	7.41	
168 Butyl benzyl phthalate	149	11.785	11.787	-0.002	85	672339	7.32	
175 3,3'-Dichlorobenzidine	252	12.464	12.466	-0.002	62	371364	5.03	
173 Bis(2-ethylhexyl) phthalate	149	12.480	12.482	-0.002	93	1062120	7.77	
177 Benzo[a]anthracene	228	12.523	12.525	-0.003	80	1505914	7.27	
178 Chrysene	228	12.571	12.573	-0.002	87	1483877	7.82	
180 Di-n-octyl phthalate	149	13.420	13.422	-0.002	98	1518332	7.14	
182 Benzo[b]fluoranthene	252	14.077	14.079	-0.002	87	1347478	7.48	
183 Benzo[k]fluoranthene	252	14.120	14.122	-0.002	80	1427088	7.70	
184 Benzo[a]pyrene	252	14.590	14.597	-0.007	77	1151948	6.77	
188 Indeno[1,2,3-cd]pyrene	276	16.396	16.403	-0.007	81	1406771	7.53	
189 Dibenz(a,h)anthracene	278	16.422	16.430	-0.008	50	1156788	7.54	
190 Benzo[g,h,i]perylene	276	16.876	16.889	-0.013	79	1182198	7.53	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

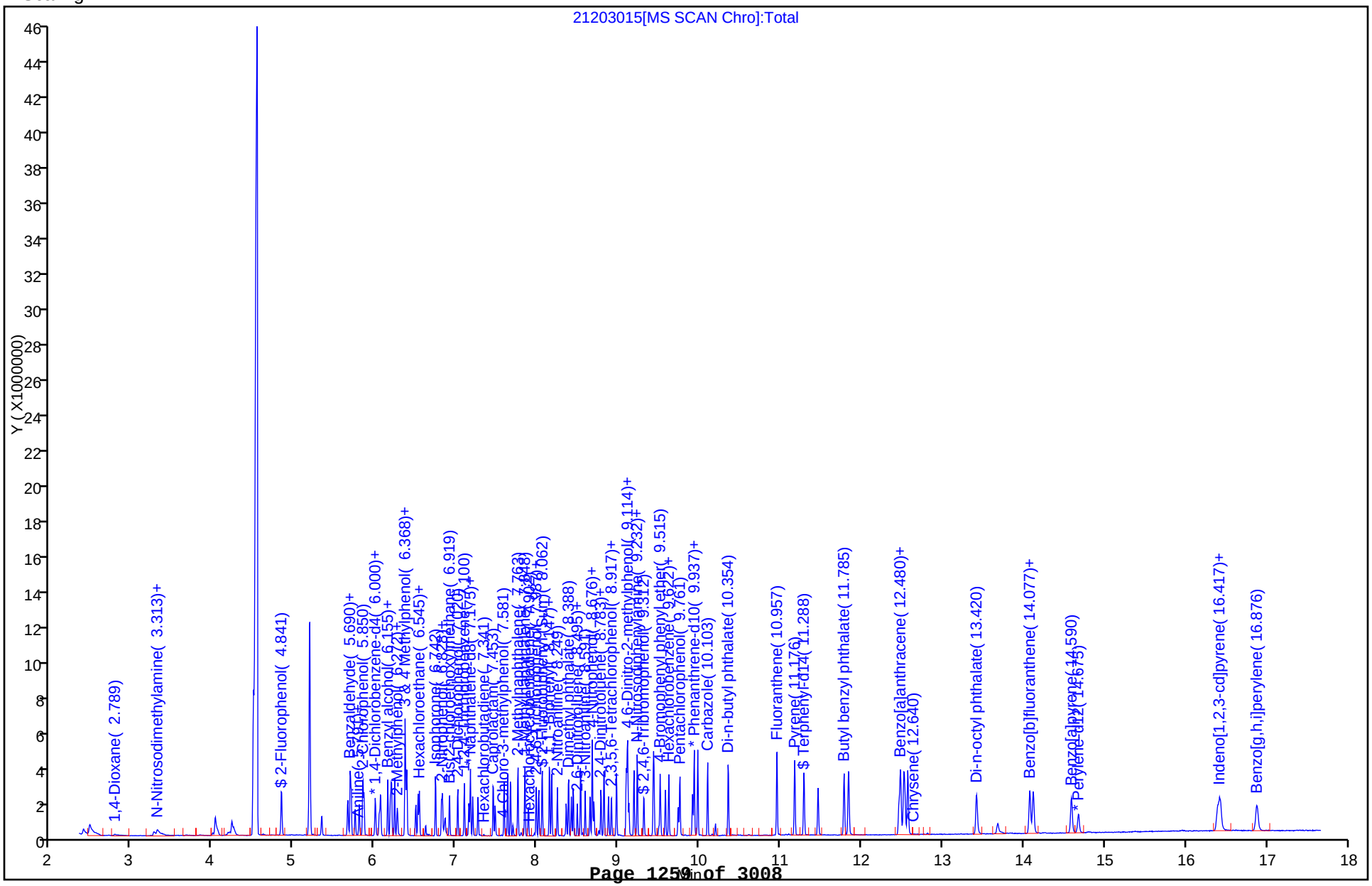
Report Date: 04-Dec-2012 09:30:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203015.D

Injection Date:	03-Dec-2012 17:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-67436/24-A

Matrix: Solid | Lab File ID: 21207005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/05/2012 10:50

Sample wt/vol: 30.00(g) | Date Analyzed: 12/07/2012 14:33

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	455		6.7	3.3	3.3
208-96-8	Acenaphthylene	474		6.7	3.3	3.3
120-12-7	Anthracene	500		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	486		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	455		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	485		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	526		6.7	3.3	3.3
65-85-0	Benzoic acid	381	J	660	330	330
207-08-9	Benzo[k]fluoranthene	501		6.7	3.3	3.3
100-51-6	Benzyl alcohol	494		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	444		100	27	22
111-44-4	Bis(2-chloroethyl)ether	483		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	494		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	440		50	27	19
101-55-3	4-Bromophenyl phenyl ether	552		50	27	13
85-68-7	Butyl benzyl phthalate	464		50	27	10
86-74-8	Carbazole	491		50	27	27
106-47-8	4-Chloroaniline	347		150	27	17
59-50-7	4-Chloro-3-methylphenol	475		150	27	21
91-58-7	2-Chloronaphthalene	464		50	3.3	3.3
95-57-8	2-Chlorophenol	497		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	505		50	27	13
218-01-9	Chrysene	521		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	515		6.7	3.3	3.3
132-64-9	Dibenzofuran	474		50	3.3	3.3
106-46-7	1,4-Dichlorobenzene	476		50	27	20
95-50-1	1,2-Dichlorobenzene	468		50	27	9.7
541-73-1	1,3-Dichlorobenzene	481		50	27	11
91-94-1	3,3'-Dichlorobenzidine	334		100	80	18
120-83-2	2,4-Dichlorophenol	495		150	27	20
84-66-2	Diethyl phthalate	477		50	27	16
105-67-9	2,4-Dimethylphenol	262		150	80	20
131-11-3	Dimethyl phthalate	489		50	27	17
84-74-2	Di-n-butyl phthalate	480		50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-67436/24-A

Matrix: Solid | Lab File ID: 21207005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/05/2012 10:50

Sample wt/vol: 30.00(g) | Date Analyzed: 12/07/2012 14:33

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	476		150	80	80
51-28-5	2,4-Dinitrophenol	367		330	80	80
121-14-2	2,4-Dinitrotoluene	552		200	27	27
606-20-2	2,6-Dinitrotoluene	549		200	27	21
117-84-0	Di-n-octyl phthalate	426		50	27	27
206-44-0	Fluoranthene	511		6.7	3.3	3.3
86-73-7	Fluorene	468		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	511		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	439		50	27	27
77-47-4	Hexachlorocyclopentadiene	384		330	27	27
67-72-1	Hexachloroethane	457		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	502		6.7	3.3	3.3
78-59-1	Isophorone	442		50	27	13
91-57-6	2-Methylnaphthalene	479		6.7	3.3	3.3
95-48-7	2-Methylphenol	482		200	80	80
15831-10-4	3 & 4 Methylphenol	1020		400	80	20
91-20-3	Naphthalene	460		6.7	3.3	3.3
88-74-4	2-Nitroaniline	493		200	27	9.1
99-09-2	3-Nitroaniline	477		200	80	16
100-01-6	4-Nitroaniline	541		200	27	26
98-95-3	Nitrobenzene	442		100	3.3	2.2
88-75-5	2-Nitrophenol	501		50	27	27
100-02-7	4-Nitrophenol	502		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	480		50	27	27
86-30-6	N-Nitrosodiphenylamine	499		50	27	21
87-86-5	Pentachlorophenol	337		150	80	80
85-01-8	Phenanthrene	494		6.7	3.3	3.3
108-95-2	Phenol	512		50	27	27
129-00-0	Pyrene	487		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	452		50	27	27
95-95-4	2,4,5-Trichlorophenol	482		150	27	25
88-06-2	2,4,6-Trichlorophenol	464		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-67436/24-A

Matrix: Solid | Lab File ID: 21207005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/05/2012 10:50

Sample wt/vol: 30.00(g) | Date Analyzed: 12/07/2012 14:33

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	63		45-105
367-12-4	2-Fluorophenol (Surr)	76		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	65		35-100
1718-51-0	Terphenyl-d14 (Surr)	75		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	79		35-125
4165-62-2	Phenol-d5 (Surr)	78		40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207005.D
Lims ID: LCS 240-67436/24-A Client ID:
Inject. Date: 07-Dec-2012 14:33:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015623-005
Misc. Info.: LCS 240-67436/24-A =LCS 240-67436/24-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 67729 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 11:37:47 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 08-Dec-2012 10:51:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.945	5.949	-0.005	86	121871	4.00	
* 2 Naphthalene-d8	136	7.066	7.066	0.0	99	522204	4.00	
* 3 Acenaphthene-d10	164	8.557	8.561	-0.004	68	328438	4.00	
* 4 Phenanthrene-d10	188	9.818	9.817	0.001	77	576794	4.00	
* 5 Chrysene-d12	240	12.382	12.381	0.001	73	590901	4.00	
* 6 Perylene-d12	264	14.471	14.470	0.001	80	473235	4.00	
$ 7 2-Fluorophenol	112	4.700	4.688	0.012	94	549432	11.5	
$ 8 Phenol-d5	99	5.592	5.591	0.001	0	806303	11.6	
$ 9 Nitrobenzene-d5	82	6.436	6.435	0.001	81	522210	6.53	
$ 10 2-Fluorobiphenyl (Surr)	172	7.969	7.974	-0.005	94	691580	6.34	
$ 11 2,4,6-Tribromophenol	330	9.225	9.224	0.001	90	150691	11.8	
$ 12 Terphenyl-d14	244	11.174	11.174	0.0	79	913538	7.55	
31 2-Picoline	93		2.310					
25 1,4-Dioxane	88	2.403	2.418	-0.015	78	86348	3.65	M
26 N-Nitrosodimethylamine	74	2.894	2.899	-0.005	78	243924	7.85	
27 Pyridine	79	2.942	2.947	-0.005	89	342880	5.41	M
37 Ethyl methanesulfonate	79		3.105					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
41 Benzaldehyde	77	5.549	5.548	0.001	85	409994	6.90	
43 Phenol	94	5.608	5.602	0.006	93	602684	7.68	
44 Aniline	93	5.645	5.645	0.0	94	418157	4.27	
69 Bis(2-chloroethyl)ether	93	5.699	5.698	0.001	95	438323	7.24	
104 1,4-Dinitrobenzene	168		5.712					
46 2-Chlorophenol	128	5.758	5.751	0.007	86	331446	7.45	
106 1,3-Dinitrobenzene	168		5.771					
47 1,3-Dichlorobenzene	146	5.896	5.896	0.0	87	344954	7.21	
48 1,4-Dichlorobenzene	146	5.966	5.965	0.001	79	345009	7.14	
49 Benzyl alcohol	108	6.057	6.056	0.001	84	271710	7.41	
50 1,2-Dichlorobenzene	146	6.099	6.099	0.0	78	326710	7.02	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
51 2-Methylphenol	108	6.148	6.147	0.001	94	377984	7.22	
53 2,2'-oxybis[1-chloropropane]	45	6.180	6.179	0.001	94	457210	7.41	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
21 3 & 4 Methylphenol	108	6.281	6.280	0.001	94	852844	15.3	
57 N-Nitrosodi-n-propylamine	70	6.292	6.291	0.001	72	394737	7.19	
58 Acetophenone	105	6.297	6.296	0.001	88	552839	6.84	
61 Hexachloroethane	117	6.404	6.403	0.001	90	154867	6.85	
62 Nitrobenzene	77	6.452	6.451	0.001	72	557817	6.63	
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					9
64 Isophorone	82	6.655	6.654	0.001	95	1016458	6.62	
66 2-Nitrophenol	139	6.730	6.729	0.001	93	172447	7.52	
65 2,4-Dimethylphenol	107	6.746	6.745	0.001	82	252803	3.92	
71 Benzoic acid	122	6.783	6.814	-0.031	78	123134	5.71	
70 Bis(2-chloroethoxy)methane	93	6.831	6.831	0.001	95	523112	6.66	
144 Pronamide	173		6.919					9
73 2,4-Dichlorophenol	162	6.933	6.932	0.001	93	274773	7.43	
74 1,2,4-Trichlorobenzene	180	7.013	7.012	0.001	78	310221	6.78	
75 Naphthalene	128	7.082	7.087	-0.005	81	989676	6.90	
76 4-Chloroaniline	127	7.114	7.114	0.0	78	295307	5.21	
79 Hexachlorobutadiene	225	7.179	7.183	-0.004	87	164317	6.58	
84 Caprolactam	113	7.387	7.402	-0.015	79	134151	8.89	
86 4-Chloro-3-methylphenol	107	7.510	7.509	0.001	80	386490	7.12	
87 2-Methylnaphthalene	142	7.670	7.675	-0.005	85	645368	7.18	
88 1-Methylnaphthalene	142	7.755	7.760	-0.005	79	612675	7.04	
89 Hexachlorocyclopentadiene	237	7.798	7.803	-0.005	86	152207	5.76	
92 2,4,6-Trichlorophenol	196	7.900	7.899	0.001	83	197757	6.95	
93 2,4,5-Trichlorophenol	196	7.932	7.931	0.001	90	226319	7.23	
98 1,1'-Biphenyl	154	8.060	8.065	-0.005	95	779772	6.57	
100 2-Chloronaphthalene	162	8.087	8.091	-0.004	93	629547	6.95	
102 2-Nitroaniline	65	8.161	8.161	0.0	74	311507	7.39	
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163	8.300	8.300	0.0	93	782196	7.33	
107 2,6-Dinitrotoluene	165	8.354	8.358	-0.004	77	182702	8.23	
108 1,2-Dinitrobenzene	168	8.407	8.406	0.001	75	83972	7.70	
109 Acenaphthylene	152	8.445	8.444	0.001	87	1027546	7.11	
110 3-Nitroaniline	138	8.503	8.503	0.0	85	170798	7.16	
112 Acenaphthene	153	8.589	8.588	0.001	91	625334	6.83	
111 2,4-Dinitrophenol	184	8.589	8.593	-0.004	49	63839	5.51	
113 4-Nitrophenol	109	8.616	8.620	-0.004	85	132181	7.53	
114 2,4-Dinitrotoluene	165	8.696	8.700	-0.004	74	246727	8.29	
116 Dibenzofuran	168	8.733	8.732	0.001	85	940845	7.12	
118 2,3,5,6-Tetrachlorophenol	232	8.787	8.791	-0.004	78	164877	6.35	
121 Diethyl phthalate	149	8.888	8.887	0.001	95	756401	7.16	
123 4-Chlorophenyl phenyl ether	204	9.006	9.005	0.001	89	430371	7.58	
125 4-Nitroaniline	138	9.016	9.021	-0.005	81	204059	8.12	
126 Fluorene	166	9.022	9.021	0.001	71	784962	7.01	
128 4,6-Dinitro-2-methylphenol	198	9.043	9.042	0.001	80	149602	7.15	
131 N-Nitrosodiphenylamine	169	9.102	9.101	0.001	92	596564	7.49	
133 Azobenzene	77	9.139	9.144	-0.005	93	1338492	6.90	
132 1,2-Diphenylhydrazine	77	9.139	9.144	-0.005	100	1338251	6.90	
139 4-Bromophenyl phenyl ether	248	9.422	9.421	0.001	63	240885	8.28	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Hexachlorobenzene	284	9.486	9.486	0.0	80	224827	7.66	
142 Atrazine	200	9.529	9.534	-0.005	82	233789	9.22	
143 Pentachlorophenol	266	9.647	9.646	0.001	83	100453	5.05	
148 Phenanthrene	178	9.839	9.838	0.001	81	1277001	7.41	
149 Anthracene	178	9.882	9.881	0.001	83	1294439	7.50	
151 Carbazole	167	10.005	10.004	0.001	61	1139557	7.37	
154 Di-n-butyl phthalate	149	10.261	10.260	0.001	100	1366998	7.20	
159 Fluoranthene	202	10.849	10.848	0.001	77	1506676	7.66	
161 Pyrene	202	11.062	11.061	0.001	77	1493139	7.30	
168 Butyl benzyl phthalate	149	11.655	11.654	0.001	86	567856	6.96	
175 3,3'-Dichlorobenzidine	252	12.312	12.312	0.0	60	328882	5.01	
173 Bis(2-ethylhexyl) phthalate	149	12.328	12.333	-0.005	95	800703	6.59	
177 Benzo[a]anthracene	228	12.366	12.370	-0.004	79	1340421	7.28	
178 Chrysene	228	12.414	12.418	-0.004	78	1319467	7.82	
180 Di-n-octyl phthalate	149	13.247	13.246	0.001	99	1222596	6.39	
182 Benzo[b]fluoranthene	252	13.883	13.887	-0.004	77	1192345	7.27	
183 Benzo[k]fluoranthene	252	13.926	13.930	-0.004	75	1267341	7.51	
184 Benzo[a]pyrene	252	14.385	14.390	-0.005	75	1056873	6.83	
188 Indeno[1,2,3-cd]pyrene	276	16.143	16.142	0.001	82	1279708	7.52	
189 Dibenz(a,h)anthracene	278	16.169	16.169	0.0	67	1077778	7.72	
190 Benzo[g,h,i]perylene	276	16.597	16.601	-0.004	85	1127205	7.89	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

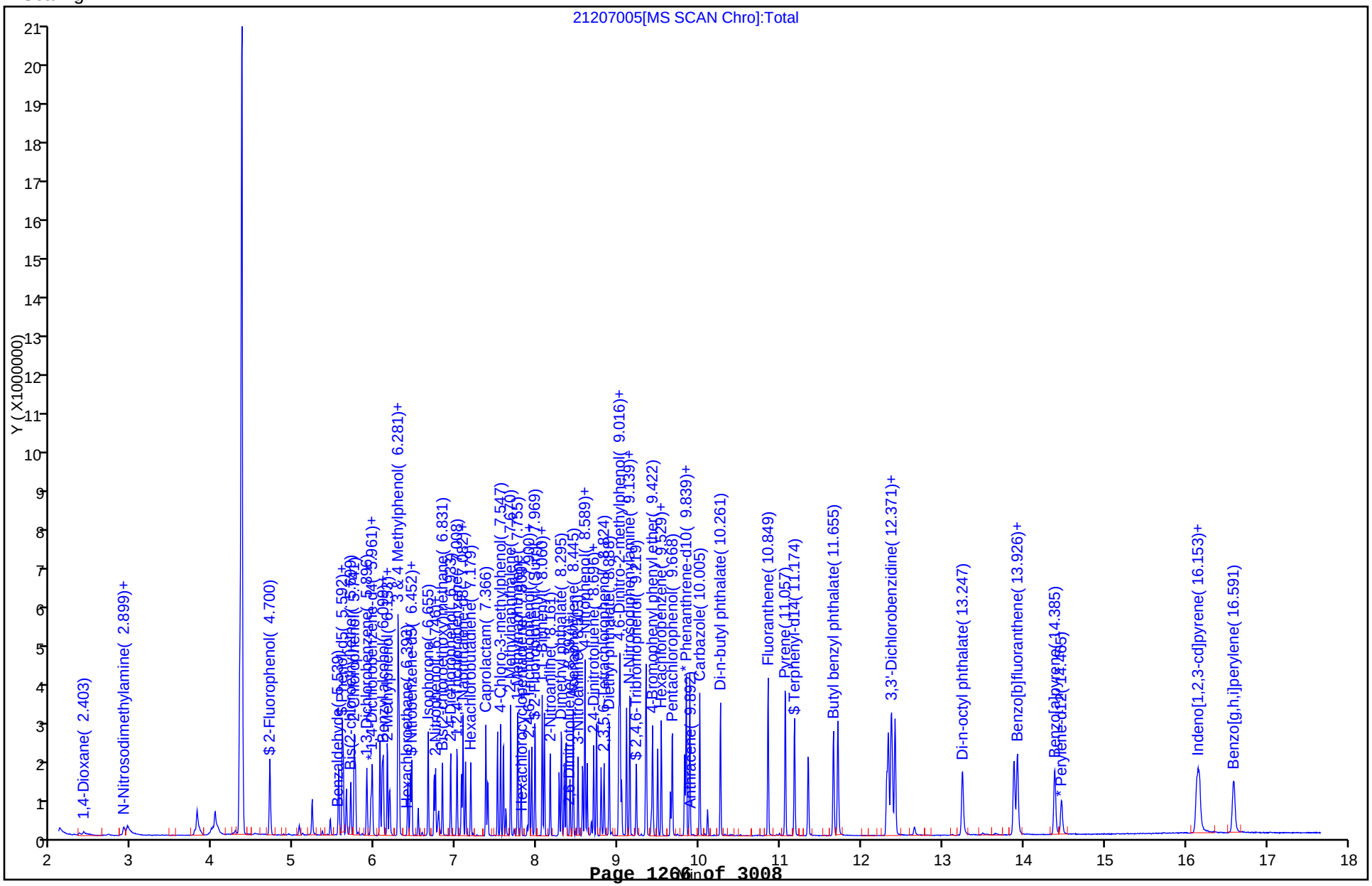
Review Flags
M - Manually Integrated

Report Date: 08-Dec-2012 11:37:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207005.D		
Injection Date:	07-Dec-2012 14:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65294/3

Matrix: Water | Lab File ID: 21116003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/16/2012 10:00

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.99		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.05		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.07		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.84		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.88		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.78		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.82		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.59	M	0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.11		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.88		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.96		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.10		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.84		0.0010	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	4.93		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.08		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.99		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.13		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	4.91		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	4.90		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.86		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.12		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	4.91		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.95		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.94		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.85		0.0010	0.00010	0.00010
106-46-7	1,4-Dichlorobenzene	5.10		0.0010	0.00080	0.00034
95-50-1	1,2-Dichlorobenzene	4.96		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.01		0.0010	0.00080	0.00080
91-94-1	3,3'-Dichlorobenzidine	5.12		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.11		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.79		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.91		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.84		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.10		0.0010	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65294/3

Matrix: Water | Lab File ID: 21116003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/16/2012 10:00

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	4.99		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	8.37		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.01		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.12		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.99		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.05		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.82		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.16		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.01		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.00		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.01		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.84		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.88		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.05		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	4.99		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.05		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.01		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	4.89		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.02		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.00		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.93		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	4.96		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.56		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.91		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.11		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	8.19		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.93		0.00020	0.00010	0.00010
108-95-2	Phenol	5.09		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.06		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	4.83		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	4.81		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.71		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65294/3

Matrix: Water | Lab File ID: 21116003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/16/2012 10:00

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	100		70-130
367-12-4	2-Fluorophenol (Surr)	97		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	93		50-150
1718-51-0	Terphenyl-d14 (Surr)	101		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	95		50-150
4165-62-2	Phenol-d5 (Surr)	100		50-150

Report Date: 17-Nov-2012 12:48:09 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116003.D
Lims ID: mrl qc Client ID:
Inject. Date: 16-Nov-2012 10:00:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015012-003
Misc. Info.: MRL QC =MRL QC
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 65294 Lims Sample ID: 3
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m
Last Update: 17-Nov-2012 12:48:08 Calib Date: 15-Nov-2012 10:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 16-Nov-2012 10:35:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.676	3.677	-0.001	86	150301	4.00	
* 2 Naphthalene-d8	136	4.638	4.639	-0.001	99	580692	4.00	
* 3 Acenaphthene-d10	164	5.930	5.931	-0.001	78	385184	4.00	
* 4 Phenanthrene-d10	188	7.009	7.010	-0.001	97	666230	4.00	
* 5 Chrysene-d12	240	8.953	8.949	0.004	76	675862	4.00	
* 6 Perylene-d12	264	10.219	10.215	0.004	94	552093	4.00	
$ 7 2-Fluorophenol	112	2.672	2.673	-0.001	94	272934	4.85	
$ 8 Phenol-d5	99	3.367	3.373	-0.006	0	401385	4.99	
$ 9 Nitrobenzene-d5	82	4.093	4.094	-0.001	82	411361	4.67	
$ 10 2-Fluorobiphenyl (Surr)	172	5.423	5.424	-0.001	100	639093	4.99	
$ 11 2,4,6-Tribromophenol	330	6.502	6.503	-0.001	69	63479	4.76	
$ 12 Terphenyl-d14	244	8.142	8.142	0.0	97	656925	5.06	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88	1.577	1.578	-0.001	81	143062	4.45	
26 N-Nitrosodimethylamine	74	1.759	1.765	-0.006	86	245112	4.66	
27 Pyridine	79	1.791	1.792	-0.001	92	369976	4.62	
28 Ethyl methacrylate	69	2.031	2.032	-0.001	79	335385	4.74	
29 3-Chloropropionitrile	54	2.224	2.224	0.0	79	161757	4.76	
31 2-Picoline	93		2.338					
32 N-Nitrosomethylethylamine	88		2.396					
33 Malononitrile	66	2.411	2.411	0.0	78	436769	5.06	
34 Methyl methanesulfonate	80		2.610					9
233 n,n'-Dimethylacetamide	44		2.674					
30 3-Picoline	93		2.674					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.914					
37 Ethyl methanesulfonate	79		3.123					9
38 2-Methylcyclohexanone	68		3.315					
39 3-Methylcyclohexanone	69		3.342					
41 Benzaldehyde	77	3.345	3.346	-0.001	85	310786	4.89	
40 4-Methylcyclohexanone	55		3.379					
43 Phenol	94	3.377	3.383	-0.006	91	443470	5.09	
44 Aniline	93	3.420	3.426	-0.006	93	545785	4.97	
69 Bis(2-chloroethyl)ether	93	3.452	3.458	-0.006	97	357746	5.10	
46 2-Chlorophenol	128	3.516	3.522	-0.006	89	260923	5.12	
45 Pentachloroethane	167		3.529					
42 Phenylmercaptan	110		3.596					9
47 1,3-Dichlorobenzene	146	3.639	3.640	-0.001	87	293862	5.01	
48 1,4-Dichlorobenzene	146	3.687	3.693	-0.006	83	293729	5.10	
49 Benzyl alcohol	108	3.767	3.768	-0.001	80	199220	4.88	
50 1,2-Dichlorobenzene	146	3.810	3.811	-0.001	81	276404	4.96	
51 2-Methylphenol	108	3.842	3.848	-0.006	93	282520	4.99	
53 2,2'-oxybis[1-chloropropane]	45	3.863	3.864	-0.001	99	296787	4.84	
232 1-Methyl-2-pyrrilidinone	99		3.880					
21 3 & 4 Methylphenol	108	3.954	3.960	-0.006	93	304329	5.05	
57 N-Nitrosodi-n-propylamine	70	3.965	3.971	-0.006	73	300091	4.91	
58 Acetophenone	105	3.970	3.976	-0.006	89	442383	4.92	
56 N-Nitrosopyrrolidine	100		4.009					
59 N-Nitrosomorpholine	56		4.036					9
60 2-Toluidine	106		4.063					9
61 Hexachloroethane	117	4.066	4.067	-0.001	91	119266	5.01	
52 Indene	115		4.084					
62 Nitrobenzene	77	4.104	4.110	-0.006	74	429776	4.93	
63 N-Nitrosopiperidine	114		4.276					
64 Isophorone	82	4.280	4.286	-0.006	94	748700	4.88	
66 2-Nitrophenol	139	4.344	4.350	-0.006	90	143471	4.96	
65 2,4-Dimethylphenol	107	4.360	4.361	-0.001	94	347083	4.91	
67 1,3,5-Trichlorobenzene	180	4.360	4.361	-0.001	76	268845	5.06	
70 Bis(2-chloroethoxy)methane	93	4.424	4.430	-0.006	99	401746	4.96	
68 o,o',o''-Triethylphosphorothioat	198		4.463					
71 Benzoic acid	122	4.440	4.468	-0.028	80	266687	8.59	M
17 4-Chlorophenol	128		4.500					
73 2,4-Dichlorophenol	162	4.526	4.526	0.0	97	224848	5.11	
24 Catechol	110		4.592					9
74 1,2,4-Trichlorobenzene	180	4.590	4.596	-0.006	84	255218	4.83	
75 Naphthalene	128	4.654	4.655	-0.001	97	754390	5.01	
76 4-Chloroaniline	127	4.681	4.681	-0.001	78	318694	4.91	
79 Hexachlorobutadiene	225	4.739	4.740	-0.001	87	157511	5.01	
77 2,6-Dichlorophenol	162		4.752					9
80 1,2,3-Trichlorobenzene	180	4.761	4.761	0.0	85	241514	0	
78 Hexachloropropene	213		4.784					
72 alpha,alpha-Dimethyl phenethylam	58		4.848					9
15 3-Methylcatechol	124		4.913					9
84 Caprolactam	113	4.932	4.948	-0.016	78	103115	5.07	
83 N-Nitrosodi-n-butylamine	84		4.976					9
85 p-Phenylene diamine	108		5.003					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
86 4-Chloro-3-methylphenol	107	5.033	5.034	-0.001	82	300809	4.90	
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.142					
87 2-Methylnaphthalene	142	5.161	5.162	-0.001	87	501068	5.05	
88 1-Methylnaphthalene	142	5.236	5.237	-0.001	79	477819	5.08	
89 Hexachlorocyclopentadiene	237	5.279	5.280	-0.001	65	153963	4.00	
90 1,2,3,5-Tetrachlorobenzene	216	5.279	5.280	-0.001	90	280809	4.87	
91 1,2,4,5-Tetrachlorobenzene	216	5.279	5.350	-0.071	92	280809	5.33	
225 Isosafrole Peak 1	162		5.355					9
92 2,4,6-Trichlorophenol	196	5.364	5.365	-0.001	90	175543	4.71	
93 2,4,5-Trichlorophenol	196	5.396	5.397	-0.001	94	192101	4.81	
97 2,4-Toluene diamine	121	5.482	5.482	0.0	97	198667	4.62	
98 1,1'-Biphenyl	154	5.498	5.499	0.0	95	632655	4.87	
99 1,2,3,4 -Tetrachlorobenzene	216		5.499					
100 2-Chloronaphthalene	162	5.524	5.525	-0.001	95	505995	4.86	
227 Isosafrole Peak 2	162		5.526					9
102 2-Nitroaniline	65	5.583	5.589	-0.006	71	217475	4.89	
105 Dimethyl phthalate	163	5.701	5.701	0.0	96	592889	4.84	
103 1,4-Naphthoquinone	158		5.702					
96 3,4-Dichloronitrobenzene	109		5.725					9
104 1,4-Dinitrobenzene	168		5.729					
107 2,6-Dinitrotoluene	165	5.754	5.755	-0.001	87	144191	5.12	
101 Phenyl ether	170		5.773					9
106 1,3-Dinitrobenzene	168		5.788					
108 1,2-Dinitrobenzene	168	5.797	5.803	-0.006	79	73794	5.20	
109 Acenaphthylene	152	5.829	5.830	-0.001	86	833790	5.05	
110 3-Nitroaniline	138	5.882	5.883	-0.001	82	145659	5.02	
112 Acenaphthene	153	5.952	5.953	0.0	93	508975	4.99	
111 2,4-Dinitrophenol	184	5.962	5.963	-0.001	78	181417	8.37	
113 4-Nitrophenol	109	5.989	5.995	-0.006	88	96146	4.56	
114 2,4-Dinitrotoluene	165	6.048	6.054	-0.006	81	190674	5.01	
116 Dibenzofuran	168	6.080	6.081	-0.001	83	723725	4.85	
115 Pentachlorobenzene	250		6.114					9
118 2,3,5,6-Tetrachlorophenol	232	6.133	6.134	-0.001	83	147479	4.56	
117 1-Naphthylamine	143		6.188					9
121 Diethyl phthalate	149	6.208	6.209	-0.001	96	577573	4.79	
119 2,3,4,6-Tetrachlorophenol	232		6.226					
120 2-Naphthylamine	143		6.247					9
123 4-Chlorophenyl phenyl ether	204	6.310	6.310	0.0	90	323985	4.91	
126 Fluorene	166	6.326	6.326	0.0	71	607936	4.82	
122 Thionazin	97		6.327					9
125 4-Nitroaniline	138	6.326	6.332	-0.006	54	155661	5.00	
128 4,6-Dinitro-2-methylphenol	198	6.352	6.353	-0.001	86	125639	4.99	
124 N-Nitro-o-toluidine	152		6.381					
131 N-Nitrosodiphenylamine	169	6.390	6.396	-0.006	98	470913	5.11	
127 Tributyl phosphate	99		6.402					
133 Azobenzene	77	6.427	6.428	-0.001	96	839972	4.95	
132 1,2-Diphenylhydrazine	77	6.427	6.428	-0.001	97	839251	4.94	
130 Diphenylamine	169	6.390	6.450	-0.060	90	470913	4.53	
134 Sulfotepp	202	6.480	6.541	-0.061	73	82619	5.28	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
135 1,3,5-Trinitrobenzene	213		6.621					
228 Diallate Peak 1	86		6.653					9
137 Phenacetin	108		6.658					9
139 4-Bromophenyl phenyl ether	248	6.662	6.663	-0.001	68	171161	5.08	
138 Phorate	121		6.664					9
230 Diallate Peak 2	86		6.723					9
141 Hexachlorobenzene	284	6.737	6.738	-0.001	89	166306	5.16	
142 Atrazine	200	6.758	6.764	-0.006	91	165119	5.18	
140 Dimethoate	87		6.787					9
143 Pentachlorophenol	266	6.870	6.871	-0.001	83	189828	8.19	
129 4-Aminobiphenyl	169		6.915					9
144 Pronamide	173		6.942					
145 Pentachloronitrobenzene	237		6.942					9
148 Phenanthrene	178	7.025	7.026	-0.001	87	878304	4.93	
146 Disulfoton	88		7.038					9
147 Dinoseb	211		7.043					
149 Anthracene	178	7.063	7.063	0.0	87	932332	5.07	
150 DFTPP								
151 Carbazole	167	7.169	7.170	-0.001	93	828995	5.13	
152 Methyl parathion	109		7.310					
154 Di-n-butyl phthalate	149	7.378	7.379	-0.001	100	1027261	5.10	
155 Ethyl Parathion	97		7.582					9
153 Diphenylsulfone	125		7.616					
156 4-Nitroquinoline-1-oxide	190		7.636					
157 Methapyrilene	58		7.673					
158 Isodrin	66		7.844					
159 Fluoranthene	202	7.891	7.891	-0.001	98	1053448	5.05	
160 Benzidine	184	7.960	7.961	-0.001	98	626096	5.43	
161 Pyrene	202	8.061	8.062	-0.001	96	1086476	5.06	
166 4,4'-DDE	246		8.097					9
226 Aramite Peak 1	185		8.159					
229 Aramite Peak 2	185		8.213					
163 p-Dimethylamino azobenzene	225		8.304					
164 Chlorobenzilate	139		8.325					
165 4,4'-DDD	235		8.375					
168 Butyl benzyl phthalate	149	8.473	8.473	0.0	92	460494	4.99	
167 Famphur	218		8.506					
169 3,3'-Dimethylbenzidine	212		8.549					
170 4,4'-DDT	235		8.578					9
171 2-Acetylaminofluorene	181		8.741					
172 3,3'-Dimethoxybenzidine	244		8.863					
173 Bis(2-ethylhexyl) phthalate	149	8.884	8.879	0.005	94	638483	4.93	
174 4,4'-Methylene bis(2-chloroanili	231	8.895	8.895	0.0	89	211994	5.25	
175 3,3'-Dichlorobenzidine	252	8.900	8.901	-0.001	62	379269	5.12	
177 Benzo[a]anthracene	228	8.943	8.944	-0.001	89	1027695	4.84	
178 Chrysene	228	8.975	8.970	0.005	91	936526	4.95	
176 Hexabromobenzene	232		9.208					
180 Di-n-octyl phthalate	149	9.375	9.365	0.010	99	1113935	4.99	
179 6-Methylchrysene	242		9.576					
182 Benzo[b]fluoranthene	252	9.835	9.830	0.005	84	977937	4.78	
183 Benzo[k]fluoranthene	252	9.856	9.857	-0.001	90	958738	5.11	
181 7,12-Dimethylbenz(a)anthracene	256		9.895					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
184 Benzo[a]pyrene	252	10.166	10.161	0.005	72	865860	4.88	
185 3-Methylcholanthrene	268		10.638					
188 Indeno[1,2,3-cd]pyrene	276	11.570	11.577	-0.007	94	888117	4.84	
189 Dibenz(a,h)anthracene	278	11.570	11.577	-0.007	71	757566	4.94	
187 Dibenz[a,h]acridine	279		11.729					9
186 Dibenz[a,j]acridine	279		11.804					9
190 Benzo[g,h,i]perylene	276	11.982	11.983	-0.001	89	744491	4.82	
S 191 Methyl Phenols,Total	100				0		10.0	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					
T 192 Octadecane (TIC)	57		0.000					
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 235 4-isopropylphenol TIC	121		4.756					
T 236 3-isopropylphenol TIC	121		4.756					
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

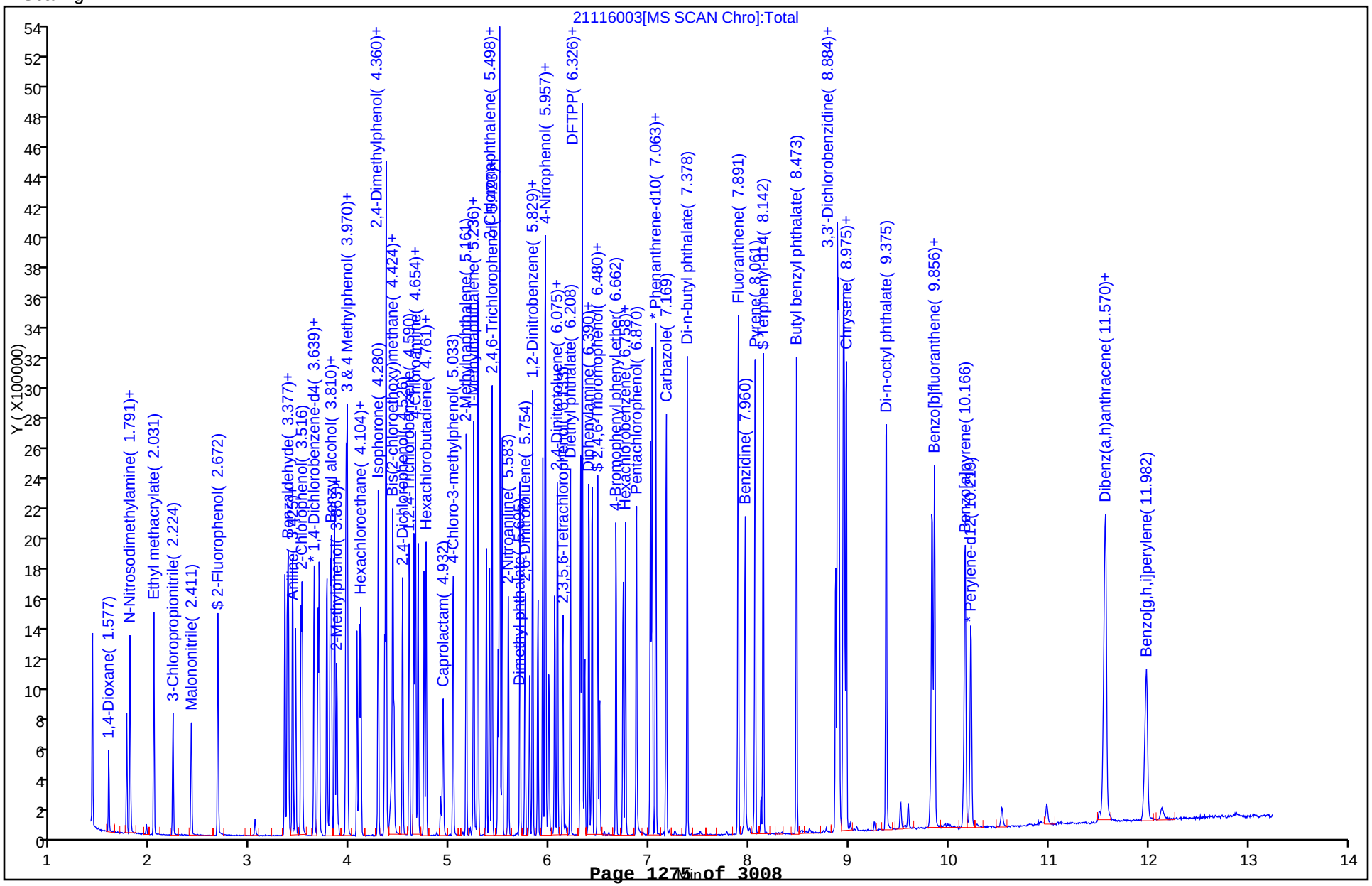
Report Date: 17-Nov-2012 12:48:09 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116003.D

Injection Date:	16-Nov-2012 10:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Report Date: 17-Nov-2012 12:48:09 Chrom Revision: 2.0 15-Nov-2012 14:43:54

Manual Integration/User Assign Peak Report

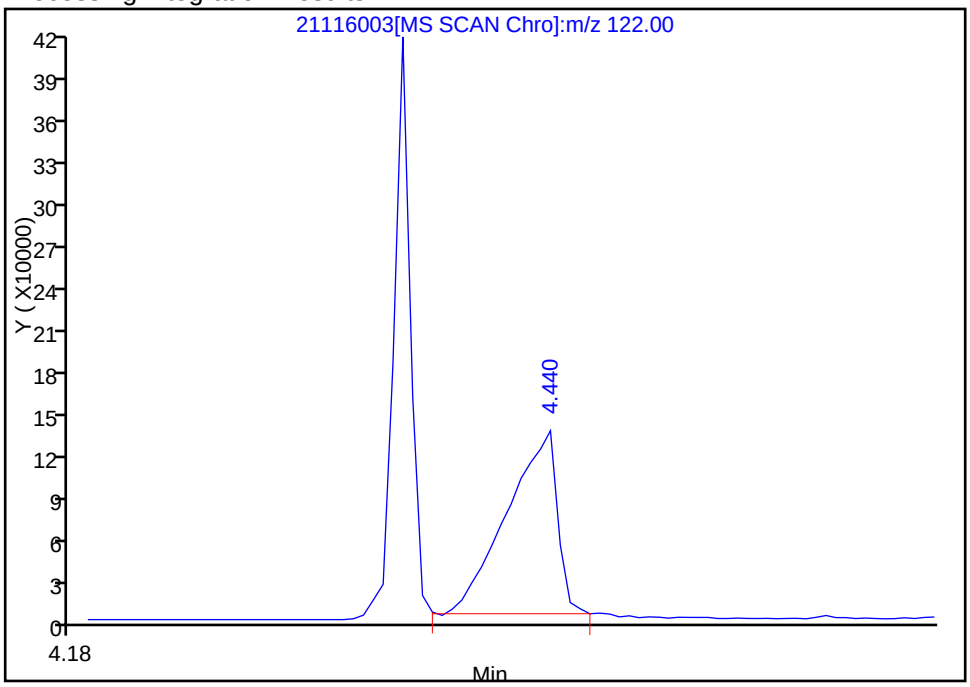
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116003.D		
Injection Date:	16-Nov-2012 10:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 4.47

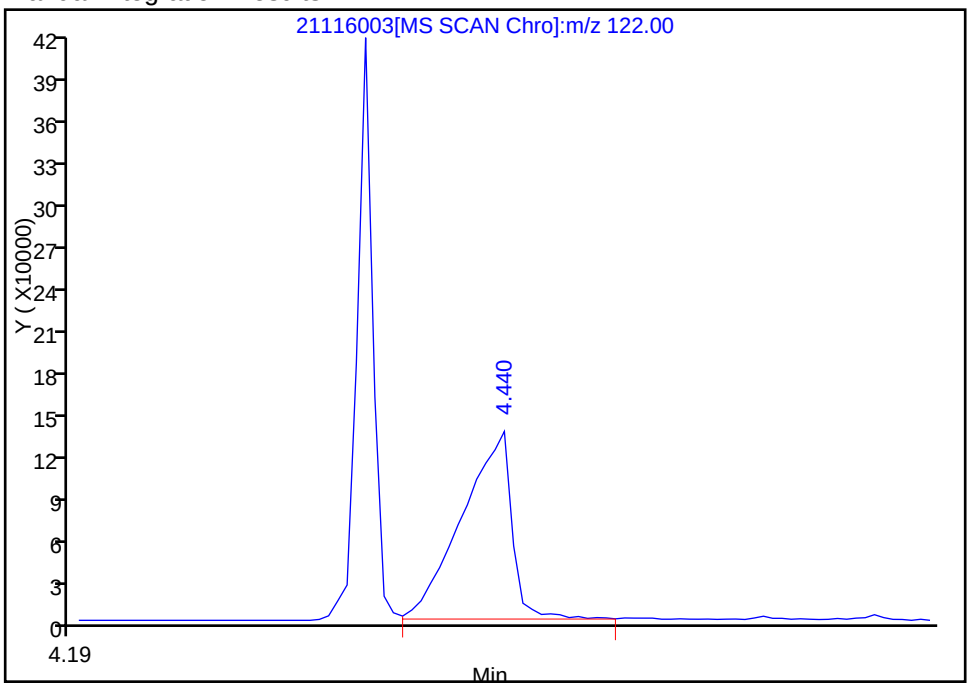
Processing Integration Results

RT: 4.44
Response: 246444
Amount: 8.014992



Manual Integration Results

RT: 4.44
Response: 266687
Amount: 8.590557



Reviewer: ulmanm, 16-Nov-2012 10:35:50
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65294/19

Matrix: Water | Lab File ID: 21116019.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/16/2012 15:09

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.93		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.98		0.00020	0.00010	0.00010
120-12-7	Anthracene	4.99		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.76		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.97		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.67		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.66		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	7.23		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.40		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.71		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.95		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.98		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	4.89		0.0010	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	4.79		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.08		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.95		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.97		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	4.74		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	4.79		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.88		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.94		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.00		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.88		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.23		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.71		0.0010	0.00010	0.00010
106-46-7	1,4-Dichlorobenzene	4.92		0.0010	0.00080	0.00034
95-50-1	1,2-Dichlorobenzene	4.98		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	4.99		0.0010	0.00080	0.00080
91-94-1	3,3'-Dichlorobenzidine	4.93		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	4.97		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.79		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.89		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.83		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.94		0.0010	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65294/19

Matrix: Water | Lab File ID: 21116019.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/16/2012 15:09

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	4.40		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	7.63		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.02		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	4.81		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.14		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.00		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.91		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.02		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.05		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	3.67		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.00		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.17		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.84		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.91		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	4.92		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.98		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.97		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	4.66		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	4.64		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.78		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.86		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	4.88		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.00		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.82		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	4.88		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	7.60		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.88		0.00020	0.00010	0.00010
108-95-2	Phenol	4.76		0.0010	0.00080	0.00060
129-00-0	Pyrene	4.91		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.05		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	4.60		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.72		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65294/19

Matrix: Water | Lab File ID: 21116019.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/16/2012 15:09

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	98		70-130
367-12-4	2-Fluorophenol (Surr)	99		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	92		50-150
1718-51-0	Terphenyl-d14 (Surr)	100		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	99		50-150
4165-62-2	Phenol-d5 (Surr)	94		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116019.D
Lims ID: mrl qccl Client ID:
Inject. Date: 16-Nov-2012 15:09:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015012-019
Misc. Info.: MRL QCCL =MRL QCCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 65294 Lims Sample ID: 19
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m
Last Update: 17-Nov-2012 12:49:19 Calib Date: 15-Nov-2012 10:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 16-Nov-2012 15:43:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.676	3.677	-0.001	95	125010	4.00	
* 2 Naphthalene-d8	136	4.637	4.639	-0.002	98	473348	4.00	
* 3 Acenaphthene-d10	164	5.924	5.931	-0.007	75	317019	4.00	
* 4 Phenanthrene-d10	188	7.003	7.010	-0.007	98	562275	4.00	
* 5 Chrysene-d12	240	8.958	8.949	0.009	93	572059	4.00	
* 6 Perylene-d12	264	10.224	10.215	0.009	94	445968	4.00	
$ 7 2-Fluorophenol	112	2.672	2.673	-0.001	93	232759	4.97	
$ 8 Phenol-d5	99	3.366	3.373	-0.007	0	315433	4.72	
$ 9 Nitrobenzene-d5	82	4.087	4.094	-0.007	85	331677	4.62	
$ 10 2-Fluorobiphenyl (Surr)	172	5.417	5.424	-0.007	99	518601	4.92	
$ 11 2,4,6-Tribromophenol	330	6.496	6.503	-0.007	75	54119	4.93	
$ 12 Terphenyl-d14	244	8.141	8.142	-0.001	96	549535	5.00	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88	1.577	1.578	-0.001	78	119266	4.46	
26 N-Nitrosodimethylamine	74	1.758	1.765	-0.007	75	200260	4.58	
27 Pyridine	79	1.790	1.792	-0.002	92	298927	4.49	
28 Ethyl methacrylate	69	2.031	2.032	-0.001	79	276018	4.69	
29 3-Chloropropionitrile	54	2.223	2.224	-0.001	83	130530	4.62	
31 2-Picoline	93		2.338					
32 N-Nitrosomethylethylamine	88		2.396					
33 Malononitrile	66	2.405	2.411	-0.006	79	341865	4.76	
34 Methyl methanesulfonate	80		2.610					9
233 n,n'-Dimethylacetamide	44		2.674					
30 3-Picoline	93		2.674					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.914					
37 Ethyl methanesulfonate	79		3.123					
38 2-Methylcyclohexanone	68		3.315					
39 3-Methylcyclohexanone	69		3.342					
41 Benzaldehyde	77	3.345	3.346	-0.001	86	259917	4.92	
40 4-Methylcyclohexanone	55		3.379					
43 Phenol	94	3.377	3.383	-0.006	92	344954	4.76	
44 Aniline	93	3.419	3.426	-0.007	94	430948	4.72	
69 Bis(2-chloroethyl)ether	93	3.452	3.458	-0.006	95	290411	4.98	
46 2-Chlorophenol	128	3.516	3.522	-0.006	88	209620	4.94	
45 Pentachloroethane	167		3.529					
42 Phenylmercaptan	110		3.596					9
47 1,3-Dichlorobenzene	146	3.633	3.640	-0.007	84	243305	4.99	
48 1,4-Dichlorobenzene	146	3.687	3.693	-0.006	88	235681	4.92	
49 Benzyl alcohol	108	3.761	3.768	-0.007	85	159989	4.71	
50 1,2-Dichlorobenzene	146	3.809	3.811	-0.002	90	230822	4.98	
51 2-Methylphenol	108	3.841	3.848	-0.007	95	231827	4.92	
53 2,2'-oxybis[1-chloropropane]	45	3.863	3.864	-0.001	99	249305	4.89	
232 1-Methyl-2-pyrrilidinone	99		3.880					
21 3 & 4 Methylphenol	108	3.954	3.960	-0.006	94	249680	4.98	
57 N-Nitrosodi-n-propylamine	70	3.964	3.971	-0.007	72	245087	4.82	
58 Acetophenone	105	3.970	3.976	-0.006	92	375220	5.02	
56 N-Nitrosopyrrolidine	100		4.009					
59 N-Nitrosomorpholine	56		4.036					9
60 2-Toluidine	106		4.063					9
61 Hexachloroethane	117	4.066	4.067	-0.001	89	99186	5.00	
52 Indene	115		4.084					
62 Nitrobenzene	77	4.103	4.110	-0.007	73	344991	4.86	
63 N-Nitrosopiperidine	114		4.276					
64 Isophorone	82	4.279	4.286	-0.007	94	604683	4.84	
66 2-Nitrophenol	139	4.343	4.350	-0.007	92	115046	4.88	
65 2,4-Dimethylphenol	107	4.359	4.361	-0.002	97	281645	4.89	
67 1,3,5-Trichlorobenzene	180	4.354	4.361	-0.007	86	218482	5.05	
70 Bis(2-chloroethoxy)methane	93	4.424	4.430	-0.006	94	326508	4.95	
68 o,o',o''-Triethylphosphorothioat	198		4.463					
71 Benzoic acid	122	4.429	4.468	-0.039	76	178540	7.23	
17 4-Chlorophenol	128		4.500					
73 2,4-Dichlorophenol	162	4.525	4.526	-0.001	92	178178	4.97	
24 Catechol	110		4.592					9
74 1,2,4-Trichlorobenzene	180	4.589	4.596	-0.007	86	217479	5.05	
75 Naphthalene	128	4.653	4.655	-0.002	98	609820	4.97	
76 4-Chloroaniline	127	4.680	4.681	-0.001	88	250702	4.74	
79 Hexachlorobutadiene	225	4.739	4.740	-0.001	90	129401	5.05	
77 2,6-Dichlorophenol	162		4.752					9
80 1,2,3-Trichlorobenzene	180		4.761					
78 Hexachloropropene	213		4.784					
72 alpha,alpha-Dimethyl phenethylam	58		4.848					9
15 3-Methylcatechol	124		4.913					9
84 Caprolactam	113	4.931	4.948	-0.017	83	80842	4.88	
83 N-Nitrosodi-n-butylamine	84		4.976					
85 p-Phenylene diamine	108		5.003					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
86 4-Chloro-3-methylphenol	107	5.027	5.034	-0.007	81	239906	4.79	
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.142					
87 2-Methylnaphthalene	142	5.161	5.162	-0.001	85	396855	4.91	
88 1-Methylnaphthalene	142	5.235	5.237	-0.002	79	379952	4.95	
89 Hexachlorocyclopentadiene	237	5.278	5.280	-0.002	86	116216	3.67	
90 1,2,3,5-Tetrachlorobenzene	216	5.278	5.280	-0.002	92	234012	4.93	
91 1,2,4,5-Tetrachlorobenzene	216	5.278	5.350	-0.072	91	234012	5.39	
225 Isosafrole Peak 1	162		5.355					9
92 2,4,6-Trichlorophenol	196	5.364	5.365	-0.001	88	144828	4.72	
93 2,4,5-Trichlorophenol	196	5.396	5.397	-0.001	94	151272	4.60	
97 2,4-Toluene diamine	121	5.481	5.482	-0.001	96	156304	4.46	
98 1,1'-Biphenyl	154	5.497	5.499	-0.001	92	510322	4.78	
99 1,2,3,4 -Tetrachlorobenzene	216		5.499					
100 2-Chloronaphthalene	162	5.519	5.525	-0.007	97	418360	4.88	
227 Isosafrole Peak 2	162		5.526					
102 2-Nitroaniline	65	5.583	5.589	-0.006	71	170514	4.66	
105 Dimethyl phthalate	163	5.700	5.701	-0.001	96	487107	4.83	
103 1,4-Naphthoquinone	158		5.702					
96 3,4-Dichloronitrobenzene	109		5.725					9
104 1,4-Dinitrobenzene	168		5.729					
107 2,6-Dinitrotoluene	165	5.748	5.755	-0.007	84	111361	4.81	
101 Phenyl ether	170		5.773					9
106 1,3-Dinitrobenzene	168		5.788					
108 1,2-Dinitrobenzene	168	5.796	5.803	-0.007	80	55221	4.73	
109 Acenaphthylene	152	5.828	5.830	-0.002	89	677471	4.98	
110 3-Nitroaniline	138	5.882	5.883	-0.001	86	110661	4.64	
112 Acenaphthene	153	5.951	5.953	-0.001	93	414003	4.93	
111 2,4-Dinitrophenol	184	5.956	5.963	-0.007	76	134557	7.63	
113 4-Nitrophenol	109	5.989	5.995	-0.006	87	69363	4.00	
114 2,4-Dinitrotoluene	165	6.047	6.054	-0.007	83	157135	5.02	
116 Dibenzofuran	168	6.074	6.081	-0.007	83	578177	4.71	
115 Pentachlorobenzene	250		6.114					9
118 2,3,5,6-Tetrachlorophenol	232	6.127	6.134	-0.007	89	125490	4.72	
117 1-Naphthylamine	143		6.188					9
121 Diethyl phthalate	149	6.208	6.209	-0.001	97	476013	4.79	
119 2,3,4,6-Tetrachlorophenol	232	6.127	6.226	-0.099	69	125490	5.15	
120 2-Naphthylamine	143		6.247					9
123 4-Chlorophenyl phenyl ether	204	6.304	6.310	-0.006	90	271370	5.00	
126 Fluorene	166	6.325	6.326	-0.001	69	509723	4.91	
122 Thionazin	97		6.327					9
125 4-Nitroaniline	138	6.325	6.332	-0.007	58	122452	4.78	
128 4,6-Dinitro-2-methylphenol	198	6.346	6.353	-0.007	84	93553	4.40	
124 N-Nitro-o-toluidine	152		6.381					
131 N-Nitrosodiphenylamine	169	6.389	6.396	-0.007	98	379705	4.88	
127 Tributyl phosphate	99		6.402					
133 Azobenzene	77	6.421	6.428	-0.007	96	697514	4.87	
132 1,2-Diphenylhydrazine	77	6.421	6.428	-0.007	98	697363	4.87	
130 Diphenylamine	169	6.389	6.450	-0.061	90	379705	4.32	
134 Sulfotepp	202	6.480	6.541	-0.061	75	72988	5.53	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
135 1,3,5-Trinitrobenzene	213		6.621					
228 Diallate Peak 1	86		6.653					9
137 Phenacetin	108		6.658					9
139 4-Bromophenyl phenyl ether	248	6.661	6.663	-0.002	64	144618	5.08	
138 Phorate	121		6.664					9
230 Diallate Peak 2	86		6.723					9
141 Hexachlorobenzene	284	6.731	6.738	-0.007	87	136686	5.02	
142 Atrazine	200	6.758	6.764	-0.006	90	135667	5.05	
140 Dimethoate	87		6.787					9
143 Pentachlorophenol	266	6.864	6.871	-0.007	82	148655	7.60	
129 4-Aminobiphenyl	169		6.915					9
144 Pronamide	173		6.942					
145 Pentachloronitrobenzene	237		6.942					9
148 Phenanthrene	178	7.025	7.026	-0.001	87	734225	4.88	
146 Disulfoton	88		7.038					9
147 Dinoseb	211		7.043					
149 Anthracene	178	7.062	7.063	-0.001	87	774603	4.99	
150 DFTPP								
151 Carbazole	167	7.164	7.170	-0.006	82	678036	4.97	
152 Methyl parathion	109		7.310					
154 Di-n-butyl phthalate	149	7.377	7.379	-0.002	99	840902	4.94	
155 Ethyl Parathion	97		7.582					9
153 Diphenylsulfone	125		7.616					
156 4-Nitroquinoline-1-oxide	190		7.636					
157 Methapyrilene	58		7.673					
158 Isodrin	66		7.844					
159 Fluoranthene	202	7.885	7.891	-0.006	98	880363	5.00	
160 Benzidine	184	7.959	7.961	-0.002	87	394814	4.05	
161 Pyrene	202	8.056	8.062	-0.006	95	893469	4.91	
166 4,4'-DDE	246		8.097					9
226 Aramite Peak 1	185		8.159					
229 Aramite Peak 2	185		8.213					
163 p-Dimethylamino azobenzene	225		8.304					
164 Chlorobenzilate	139		8.325					9
165 4,4'-DDD	235		8.375					
168 Butyl benzyl phthalate	149	8.477	8.473	0.004	93	386105	4.95	
167 Famphur	218		8.506					
169 3,3'-Dimethylbenzidine	212		8.549					
170 4,4'-DDT	235		8.578					
171 2-Acetylaminofluorene	181		8.741					
172 3,3'-Dimethoxybenzidine	244	8.873	8.863	0.010	87	194769	4.30	
173 Bis(2-ethylhexyl) phthalate	149	8.889	8.879	0.010	94	525332	4.79	
174 4,4'-Methylene bis(2-chloroanili	231	8.899	8.895	0.004	86	163735	4.79	
175 3,3'-Dichlorobenzidine	252	8.905	8.901	0.004	66	308933	4.93	
177 Benzo[a]anthracene	228	8.947	8.944	0.003	89	854511	4.76	
178 Chrysene	228	8.974	8.970	0.004	93	781768	4.88	
176 Hexabromobenzene	232		9.208					
180 Di-n-octyl phthalate	149	9.380	9.365	0.015	98	927289	5.14	
179 6-Methylchrysene	242		9.576					
182 Benzo[b]fluoranthene	252	9.839	9.830	0.009	84	770753	4.67	
183 Benzo[k]fluoranthene	252	9.861	9.857	0.004	90	819517	5.40	
181 7,12-Dimethylbenz(a)anthracene	256		9.895					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
184 Benzo[a]pyrene	252	10.171	10.161	0.010	74	713278	4.97	
185 3-Methylcholanthrene	268		10.638					
188 Indeno[1,2,3-cd]pyrene	276	11.570	11.577	-0.007	91	767168	5.17	
189 Dibenz(a,h)anthracene	278	11.575	11.577	-0.002	52	647736	5.23	
187 Dibenz[a,h]acridine	279		11.729					9
186 Dibenz[a,j]acridine	279		11.804					9
190 Benzo[g,h,i]perylene	276	11.976	11.983	-0.007	90	581256	4.66	
S 191 Methyl Phenols,Total	100				0		9.90	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110	4.904	0.0	4.904	91	61325	0	
T 192 Octadecane (TIC)	57	10.539	0.0	10.539	86	25304	0	
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121	4.653	4.621	0.030	0	1633	0	
T 235 4-isopropylphenol TIC	121	4.760	4.754	0.004	0	1729	0	
T 236 3-isopropylphenol TIC	121	4.760	4.754	0.004	0	1729	0	
T 193 Hexamethylphosphoramide TIC	135	5.273	5.097	0.173	1	818	0	
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135	5.273	5.107	0.163	20	818	0	
T 196 Kepone TIC	272	6.864	8.279	-1.417	1	4095	0.0286	
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198	8.953	9.272	-0.316	1	11304	0.1014	
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

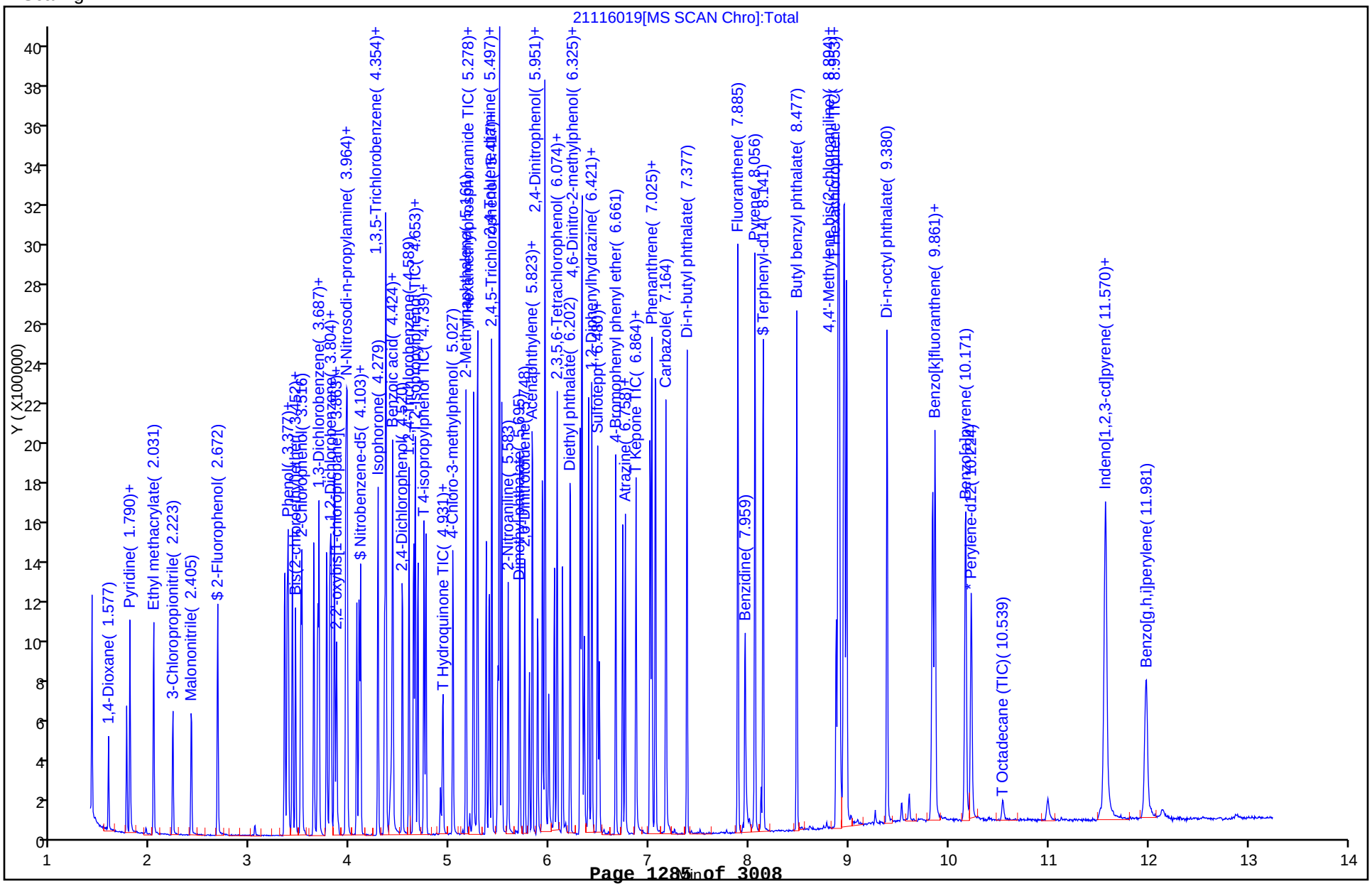
Report Date: 17-Nov-2012 12:49:19 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116019.D

Injection Date:	16-Nov-2012 15:09:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67070/13

Matrix: Solid | Lab File ID: 21203013.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/03/2012 16:18

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.89		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.98		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.05		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.84		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.94		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.94		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.87		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.95	M	0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.09		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.96		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.75		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.14		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.57		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.12		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.85		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.70		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	4.99		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.87		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.95		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	4.94		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.85		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.92		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.89		0.0010	0.00010	0.00010
106-46-7	1,4-Dichlorobenzene	4.90		0.0010	0.00080	0.00034
95-50-1	1,2-Dichlorobenzene	4.89		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.05		0.0010	0.00080	0.00080
91-94-1	3,3'-Dichlorobenzidine	4.92		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	4.80		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.91		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.82		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.94		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.85		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.87		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	9.93		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67070/13

Matrix: Solid | Lab File ID: 21203013.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/03/2012 16:18

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.22		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	4.99		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.75		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	4.91		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.84		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	4.97		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	4.96		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.84		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.95		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.00		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.71		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.86		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.04		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.97		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.70		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.00		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.14		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.85		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.74		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	4.95		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.53		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.95		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	4.90		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.60		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.73		0.00020	0.00010	0.00010
108-95-2	Phenol	5.09		0.0010	0.00080	0.00060
129-00-0	Pyrene	4.87		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	4.74		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	4.94		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.16		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67070/13

Matrix: Solid | Lab File ID: 21203013.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/03/2012 16:18

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	94		50-150
367-12-4	2-Fluorophenol (Surr)	100		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	98		50-150
1718-51-0	Terphenyl-d14 (Surr)	93		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	101		50-150
4165-62-2	Phenol-d5 (Surr)	101	Q	50-150

Report Date: 04-Dec-2012 08:09:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203013.D
Lims ID: mrl qc Client ID:
Inject. Date: 03-Dec-2012 16:18:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015467-013
Misc. Info.: MRL QC =MRL QC
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 67070 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 08:09:39 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm Date: 04-Dec-2012 08:06:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.052	6.050	0.002	79	171464	4.00	
* 2 Naphthalene-d8	136	7.157	7.156	0.001	98	713458	4.00	
* 3 Acenaphthene-d10	164	8.653	8.652	0.001	79	437258	4.00	
* 4 Phenanthrene-d10	188	9.914	9.918	-0.004	77	775651	4.00	
* 5 Chrysene-d12	240	12.537	12.541	-0.004	75	807050	4.00	
* 6 Perylene-d12	264	14.679	14.677	0.002	88	626925	4.00	
$ 7 2-Fluorophenol	112	4.828	4.832	-0.004	93	336426	4.99	
$ 8 Phenol-d5	99	5.688	5.687	0.001	0	493745	5.07	
$ 9 Nitrobenzene-d5	82	6.527	6.531	-0.004	82	534761	4.90	
$ 10 2-Fluorobiphenyl (Surr)	172	8.060	8.059	0.001	98	682101	4.70	
$ 11 2,4,6-Tribromophenol	330	9.316	9.319	-0.003	74	85826	5.07	
$ 12 Terphenyl-d14	244	11.292	11.291	0.001	96	766677	4.64	
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					9
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					9
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					9
25 1,4-Dioxane	88	2.804	2.807	-0.003	83	177153	5.32	
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					9
26 N-Nitrosodimethylamine	74	3.279	3.272	0.007	81	212971	4.87	
38 2-Methylcyclohexanone	68		3.292					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
39 3-Methylcyclohexanone	69		3.319					
27 Pyridine	79	3.322	3.320	0.002	93	457556	5.13	
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69	3.877	3.876	0.001	77	440761	5.09	
232 1-Methyl-2-pyrrilidinone	99		3.880					1
56 N-Nitrosopyrrolidine	100		3.992					9
59 N-Nitrosomorpholine	56		4.013					9
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
29 3-Chloropropionitrile	54	4.219	4.218	0.001	81	151801	4.80	
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
33 Malononitrile	66		4.627					
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.662	5.665	-0.003	83	411609	4.75	
103 1,4-Naphthoquinone	158		5.680					
43 Phenol	94	5.699	5.703	-0.004	91	561442	5.09	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
44 Aniline	93	5.752	5.751	0.001	82	686548	4.98	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
69 Bis(2-chloroethyl)ether	93	5.800	5.804	-0.004	89	438120	5.14	
46 2-Chlorophenol	128	5.859	5.858	0.001	89	309922	4.95	
47 1,3-Dichlorobenzene	146	6.003	6.002	0.001	80	339693	5.05	
48 1,4-Dichlorobenzene	146	6.068	6.066	0.002	77	333181	4.90	
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108	6.153	6.157	-0.004	84	256090	4.96	
117 1-Naphthylamine	143		6.166					
50 1,2-Dichlorobenzene	146	6.201	6.199	0.002	75	319805	4.89	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
51 2-Methylphenol	108	6.239	6.237	0.002	93	370908	5.04	
53 2,2'-oxybis[1-chloropropane]	45	6.271	6.274	-0.003	96	445437	5.13	
122 Thionazin	97		6.305					9
124 N-Nitro-o-toluidine	152		6.358					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.367	6.365	0.002	90	389556	4.97	
127 Tributyl phosphate	99		6.379					
57 N-Nitrosodi-n-propylamine	70	6.383	6.386	-0.003	68	382150	4.95	
58 Acetophenone	105	6.393	6.392	0.001	78	560956	4.93	
130 Diphenylamine	169		6.428					9
61 Hexachloroethane	117	6.500	6.504	-0.004	89	157504	4.95	
134 Sulfotepp	202		6.518					
62 Nitrobenzene	77	6.543	6.547	-0.004	74	544856	4.74	
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					
230 Diallate Peak 2	86		6.695					9
64 Isophorone	82	6.746	6.744	0.002	95	986454	4.71	
140 Dimethoate	87		6.764					9
66 2-Nitrophenol	139	6.821	6.819	0.002	84	155139	4.95	
65 2,4-Dimethylphenol	107	6.826	6.830	-0.004	93	424487	4.82	
67 1,3,5-Trichlorobenzene	180	6.832	6.830	0.002	77	311356	4.84	
71 Benzoic acid	122	6.869	6.889	-0.020	82	342811	9.95	M
129 4-Aminobiphenyl	169		6.892					
70 Bis(2-chloroethoxy)methane	93	6.917	6.915	0.002	93	509852	4.75	
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					9
146 Disulfoton	88		7.010					9
73 2,4-Dichlorophenol	162	7.019	7.017	0.001	85	242506	4.80	
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180	7.099	7.102	-0.003	78	296513	4.74	
75 Naphthalene	128	7.173	7.177	-0.004	80	921139	4.70	
76 4-Chloroaniline	127	7.205	7.204	0.001	77	374018	4.83	
79 Hexachlorobutadiene	225	7.270	7.268	0.002	86	169030	4.96	
152 Methyl parathion	109		7.282					9
80 1,2,3-Trichlorobenzene	180	7.296	7.295	0.001	80	279091	0	
84 Caprolactam	113	7.478	7.487	-0.009	71	114643	5.56	
155 Ethyl Parathion	97		7.560					9
86 4-Chloro-3-methylphenol	107	7.590	7.594	-0.004	77	370100	4.99	
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					9
87 2-Methylnaphthalene	142	7.761	7.759	0.002	80	596833	4.86	
158 Isodrin	66		7.816					
88 1-Methylnaphthalene	142	7.847	7.850	-0.003	78	581581	4.89	
90 1,2,3,5-Tetrachlorobenzene	216	7.889	7.888	0.001	83	306135	5.02	
89 Hexachlorocyclopentadiene	237	7.889	7.893	-0.004	71	170064	4.84	
92 2,4,6-Trichlorophenol	196	7.985	7.989	-0.004	86	195174	5.16	
93 2,4,5-Trichlorophenol	196	8.017	8.016	0.001	89	205622	4.94	
226 Aramite Peak 1	185		8.131					9
97 2,4-Toluene diamine	121	8.130	8.133	-0.003	96	151373	4.33	
99 1,2,3,4 -Tetrachlorobenzene	216		8.144					
98 1,1'-Biphenyl	154	8.151	8.149	0.002	95	805597	5.10	
100 2-Chloronaphthalene	162	8.178	8.181	-0.003	97	587183	4.87	
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65	8.247	8.246	0.001	69	280796	5.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163	8.386	8.384	0.002	92	702029	4.94	
107 2,6-Dinitrotoluene	165	8.445	8.443	0.002	72	147419	4.99	
167 Famphur	218		8.473					
108 1,2-Dinitrobenzene	168	8.493	8.497	-0.004	73	77419	5.33	
169 3,3'-Dimethylbenzidine	212		8.516					
109 Acenaphthylene	152	8.536	8.534	0.002	86	958114	4.98	
110 3-Nitroaniline	138	8.589	8.593	-0.004	75	163460	5.14	
111 2,4-Dinitrophenol	184	8.675	8.678	-0.003	64	182060	9.93	
112 Acenaphthene	153	8.680	8.678	0.002	86	596907	4.89	
113 4-Nitrophenol	109	8.696	8.700	-0.004	81	129280	5.53	
171 2-Acetylaminofluorene	181		8.713					9
114 2,4-Dinitrotoluene	165	8.787	8.785	0.002	73	206986	5.22	
116 Dibenzofuran	168	8.824	8.822	0.002	84	861287	4.89	
118 2,3,5,6-Tetrachlorophenol	232	8.878	8.881	-0.003	82	179831	5.20	
121 Diethyl phthalate	149	8.979	8.977	0.002	94	689956	4.91	
123 4-Chlorophenyl phenyl ether	204	9.097	9.100	-0.003	88	373671	4.94	
125 4-Nitroaniline	138	9.107	9.111	-0.004	75	162276	4.85	
126 Fluorene	166	9.113	9.116	-0.003	61	720492	4.84	
128 4,6-Dinitro-2-methylphenol	198	9.134	9.132	0.002	71	130371	4.87	
131 N-Nitrosodiphenylamine	169	9.193	9.191	0.002	94	525294	4.90	
176 Hexabromobenzene	232	9.134	9.208	-0.074	1	501	0	
133 Azobenzene	77	9.235	9.234	0.001	94	1292537	4.95	
132 1,2-Diphenylhydrazine	77	9.235	9.234	0.001	100	1292611	4.95	
139 4-Bromophenyl phenyl ether	248	9.519	9.517	0.002	65	200438	5.12	
179 6-Methylchrysene	242		9.576					
141 Hexachlorobenzene	284	9.583	9.581	0.002	79	196278	4.97	
142 Atrazine	200	9.625	9.624	0.001	85	193333	5.67	
143 Pentachlorophenol	266	9.738	9.741	-0.003	77	271309	9.60	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178	9.935	9.939	-0.004	81	1095246	4.73	
149 Anthracene	178	9.978	9.982	-0.004	82	1172260	5.05	
150 DFTPP								
151 Carbazole	167	10.101	10.105	-0.004	79	977269	4.70	
154 Di-n-butyl phthalate	149	10.357	10.356	0.001	99	1239572	4.85	
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.956	10.959	-0.003	78	1299521	4.91	
160 Benzidine	184	11.052	11.050	0.002	85	590124	4.36	
161 Pyrene	202	11.175	11.178	-0.003	72	1358523	4.87	
166 4,4'-DDE	246		11.233					9
165 4,4'-DDD	235		11.580					
187 Dibenz[a,h]acridine	279		11.729					
168 Butyl benzyl phthalate	149	11.784	11.787	-0.003	84	540299	4.85	
186 Dibenz[a,j]acridine	279		11.804					9
170 4,4'-DDT	235		11.922					9
172 3,3'-Dimethoxybenzidine	244	12.414	12.418	-0.004	83	248025	4.25	
174 4,4'-Methylene bis(2-chloroanili	231	12.462	12.466	-0.004	68	215816	4.79	
175 3,3'-Dichlorobenzidine	252	12.462	12.466	-0.004	72	440342	4.92	
173 Bis(2-ethylhexyl) phthalate	149	12.478	12.482	-0.004	93	757410	4.57	
177 Benzo[a]anthracene	228	12.521	12.525	-0.004	83	1216333	4.84	
178 Chrysene	228	12.574	12.573	0.001	83	1118669	4.85	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149	13.418	13.422	-0.004	98	1172675	4.75	
182 Benzo[b]fluoranthene	252	14.075	14.079	-0.004	86	1073621	4.94	
183 Benzo[k]fluoranthene	252	14.118	14.122	-0.004	76	1138517	5.09	
184 Benzo[a]pyrene	252	14.588	14.597	-0.009	75	1012627	4.94	
188 Indeno[1,2,3-cd]pyrene	276	16.394	16.403	-0.009	81	1126514	5.00	
189 Dibenz(a,h)anthracene	278	16.426	16.430	-0.004	66	909295	4.92	
190 Benzo[g,h,i]perylene	276	16.880	16.889	-0.009	73	921344	4.87	
S 191 Methyl Phenols,Total	100				0		10.0	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					
T 192 Octadecane (TIC)	57		0.000					
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 235 4-isopropylphenol TIC	121		4.756					
T 236 3-isopropylphenol TIC	121		4.756					
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

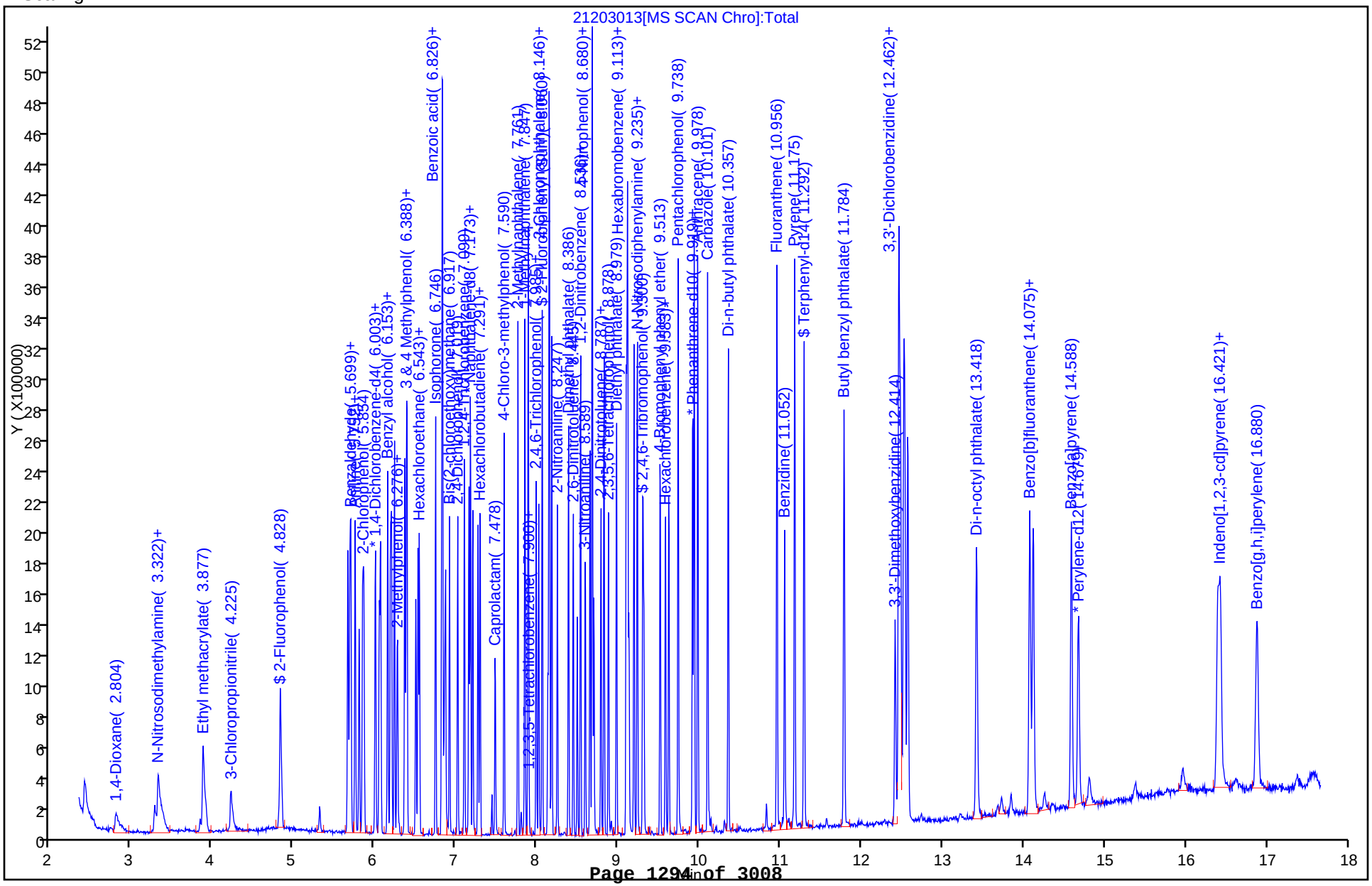
Report Date: 04-Dec-2012 08:09:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203013.D

Injection Date:	03-Dec-2012 16:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Report Date: 04-Dec-2012 08:09:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

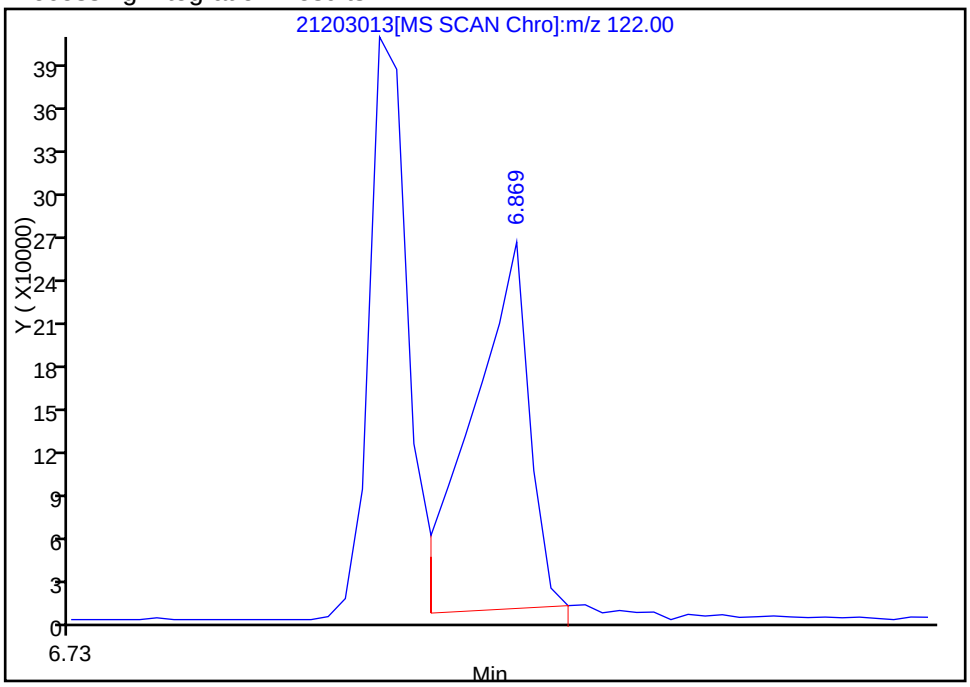
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203013.D		
Injection Date:	03-Dec-2012 16:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.89

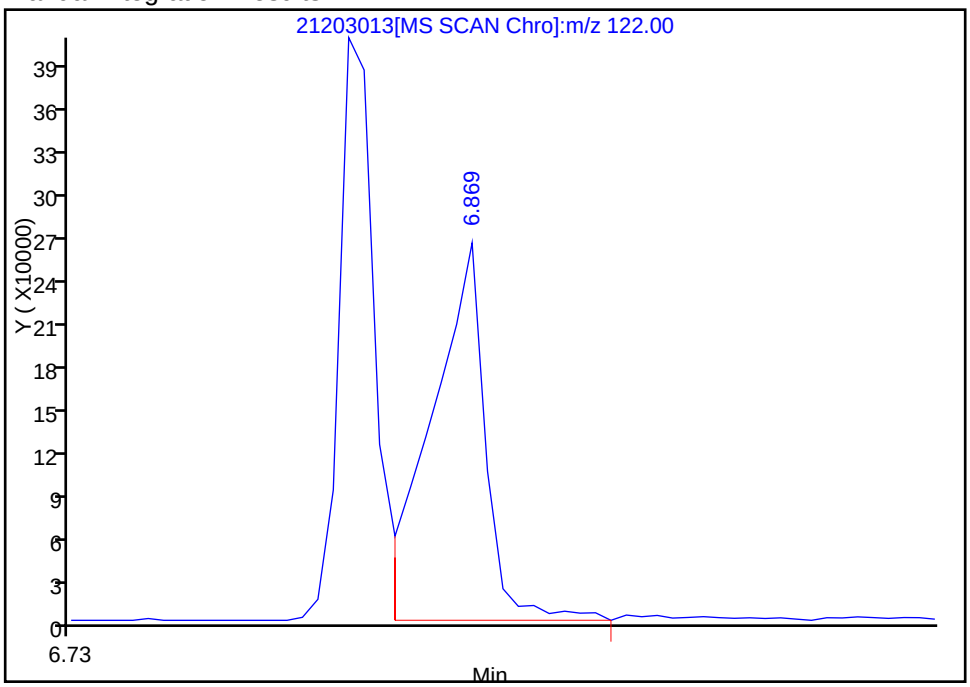
Processing Integration Results

RT: 6.87
Response: 312557
Amount: 9.223663



Manual Integration Results

RT: 6.87
Response: 342811
Amount: 9.950044



Reviewer: ulmanm, 04-Dec-2012 08:06:01
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67070/24

Matrix: Solid | Lab File ID: 21203024.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/03/2012 20:56

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.89		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.93		0.00020	0.00010	0.00010
120-12-7	Anthracene	4.86		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.78		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.82		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.20		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	2.89	^	0.00020	0.00010	0.00010
65-85-0	Benzoic acid	10.1		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.01		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.21		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.90		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.19		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	5.05		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	4.89		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.21		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.79		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.05		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.76		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.09		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	4.97		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.88		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	3.42	^	0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.75		0.0010	0.00010	0.00010
106-46-7	1,4-Dichlorobenzene	4.92		0.0010	0.00080	0.00034
95-50-1	1,2-Dichlorobenzene	5.03		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.00		0.0010	0.00080	0.00080
91-94-1	3,3'-Dichlorobenzidine	5.15		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.04		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.86		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.08		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.82		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.03		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	2.31	^	0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	3.74	^	0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67070/24

Matrix: Solid | Lab File ID: 21203024.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/03/2012 20:56

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.29		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.26		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	6.12		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	4.77		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.89		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	4.94		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	4.64		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	0.535	^	0.010	0.00080	0.00080
67-72-1	Hexachloroethane	2.91	^	0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	3.35	^	0.00020	0.00010	0.00010
78-59-1	Isophorone	4.95		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.81		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.07		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.19		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.79		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.37		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.57		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.39		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.93		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.19		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.02		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.23		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	4.97		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	8.63		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.64		0.00020	0.00010	0.00010
108-95-2	Phenol	5.12		0.0010	0.00080	0.00060
129-00-0	Pyrene	4.96		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	4.86		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	4.89		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.76		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67070/24

Matrix: Solid | Lab File ID: 21203024.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/03/2012 20:56

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	95		50-150
367-12-4	2-Fluorophenol (Surr)	103		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	100		50-150
1718-51-0	Terphenyl-d14 (Surr)	95		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	110		50-150
4165-62-2	Phenol-d5 (Surr)	104	Q	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203024.D
Lims ID: mrl qccl Client ID:
Inject. Date: 03-Dec-2012 20:56:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015467-024
Misc. Info.: MRL QCCL =MRL QCCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 67070 Lims Sample ID: 24
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 09:30:37 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm Date: 04-Dec-2012 09:12:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.048	6.050	-0.002	85	216038	4.00	
* 2 Naphthalene-d8	136	7.154	7.156	-0.002	97	917595	4.00	
* 3 Acenaphthene-d10	164	8.650	8.652	-0.002	65	576647	4.00	
* 4 Phenanthrene-d10	188	9.916	9.918	-0.002	77	1039673	4.00	
* 5 Chrysene-d12	240	12.539	12.541	-0.002	75	1040456	4.00	
* 6 Perylene-d12	264	14.676	14.677	-0.001	85	755234	4.00	
$ 7 2-Fluorophenol	112	4.830	4.832	-0.002	90	438353	5.16	
$ 8 Phenol-d5	99	5.690	5.687	0.003	0	640319	5.22	
$ 9 Nitrobenzene-d5	82	6.529	6.531	-0.002	84	699260	4.98	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.059	0.003	99	908082	4.74	
$ 11 2,4,6-Tribromophenol	330	9.318	9.319	-0.001	76	123352	5.52	
$ 12 Terphenyl-d14	244	11.289	11.291	-0.002	96	1010947	4.74	
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					9
34 Methyl methanesulfonate	80		2.587					9
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
25 1,4-Dioxane	88	2.800	2.807	-0.007	78	200925	4.79	
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					
26 N-Nitrosodimethylamine	74	3.276	3.272	0.004	78	301698	5.48	
38 2-Methylcyclohexanone	68		3.292					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
39 3-Methylcyclohexanone	69		3.319					
27 Pyridine	79	3.324	3.320	0.004	92	570096	5.07	
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					9
28 Ethyl methacrylate	69	3.879	3.876	0.003	79	565967	5.19	
232 1-Methyl-2-pyrrilidinone	99		3.880					1
56 N-Nitrosopyrrolidine	100		3.992					9
59 N-Nitrosomorpholine	56		4.013					
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					
29 3-Chloropropionitrile	54	4.221	4.218	0.003	81	221572	5.56	
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					9
33 Malononitrile	66		4.627					
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					9
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					9
82 Quinoline	129		5.099					9
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					9
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.664	5.665	-0.001	82	542225	4.98	
103 1,4-Naphthoquinone	158		5.680					
43 Phenol	94	5.701	5.703	-0.002	90	711871	5.12	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
44 Aniline	93	5.754	5.751	0.003	82	896184	5.16	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
69 Bis(2-chloroethyl)ether	93	5.802	5.804	-0.002	96	556911	5.19	
46 2-Chlorophenol	128	5.861	5.858	0.003	88	401886	5.09	
47 1,3-Dichlorobenzene	146	6.000	6.002	-0.002	79	424459	5.00	
48 1,4-Dichlorobenzene	146	6.064	6.066	-0.002	75	421819	4.92	
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108	6.155	6.157	-0.002	84	338450	5.21	
117 1-Naphthylamine	143		6.166					
50 1,2-Dichlorobenzene	146	6.203	6.199	0.004	78	414654	5.03	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					9
51 2-Methylphenol	108	6.240	6.237	0.003	93	470192	5.07	
53 2,2'-oxybis[1-chloropropane]	45	6.273	6.274	-0.002	96	572706	5.24	
122 Thionazin	97		6.305					9
124 N-Nitro-o-toluidine	152		6.358					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.363	6.365	-0.002	93	512588	5.19	
127 Tributyl phosphate	99		6.379					9
57 N-Nitrosodi-n-propylamine	70	6.385	6.386	-0.001	69	508602	5.23	
58 Acetophenone	105	6.390	6.392	-0.002	81	716946	5.00	
130 Diphenylamine	169		6.428					9
61 Hexachloroethane	117	6.502	6.504	-0.002	88	116732	2.91	
134 Sulfotepp	202		6.518					
62 Nitrobenzene	77	6.545	6.547	-0.002	75	729003	4.93	
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					
230 Diallate Peak 2	86		6.695					9
64 Isophorone	82	6.743	6.744	-0.001	94	1333540	4.95	
140 Dimethoate	87		6.764					9
66 2-Nitrophenol	139	6.817	6.819	-0.002	84	209043	5.19	
65 2,4-Dimethylphenol	107	6.828	6.830	-0.002	94	575375	5.08	
67 1,3,5-Trichlorobenzene	180	6.828	6.830	-0.002	68	396187	4.79	
71 Benzoic acid	122	6.876	6.889	-0.013	76	448134	10.1	
129 4-Aminobiphenyl	169		6.892					
70 Bis(2-chloroethoxy)methane	93	6.919	6.915	0.004	98	675880	4.90	
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					9
146 Disulfoton	88		7.010					9
73 2,4-Dichlorophenol	162	7.020	7.017	0.003	91	327747	5.04	
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180	7.101	7.102	-0.001	73	390756	4.86	
75 Naphthalene	128	7.175	7.177	-0.002	79	1207752	4.79	
76 4-Chloroaniline	127	7.202	7.204	-0.002	78	499727	5.01	
79 Hexachlorobutadiene	225	7.266	7.268	-0.002	85	203361	4.64	
152 Methyl parathion	109		7.282					9
80 1,2,3-Trichlorobenzene	180		7.295					
84 Caprolactam	113	7.485	7.487	-0.002	82	151688	5.72	
155 Ethyl Parathion	97		7.560					
86 4-Chloro-3-methylphenol	107	7.592	7.594	-0.002	78	481277	5.05	
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					9
87 2-Methylnaphthalene	142	7.763	7.759	0.004	85	760291	4.81	
158 Isodrin	66		7.816					
88 1-Methylnaphthalene	142	7.848	7.850	-0.002	79	736211	4.82	
90 1,2,3,5-Tetrachlorobenzene	216	7.886	7.888	-0.002	81	385817	4.80	
89 Hexachlorocyclopentadiene	237	7.891	7.893	-0.002	32	24823	0.5355	
92 2,4,6-Trichlorophenol	196	7.987	7.989	-0.002	85	237659	4.76	
93 2,4,5-Trichlorophenol	196	8.019	8.016	0.003	88	268592	4.89	
226 Aramite Peak 1	185		8.131					9
97 2,4-Toluene diamine	121	8.132	8.133	-0.001	93	215630	4.80	
99 1,2,3,4 -Tetrachlorobenzene	216	8.142	8.144	-0.002	85	382909	0	
98 1,1'-Biphenyl	154	8.148	8.149	-0.001	95	997928	4.79	
100 2-Chloronaphthalene	162	8.180	8.181	-0.001	97	756243	4.76	
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65	8.249	8.246	0.003	66	397227	5.37	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163	8.388	8.384	0.004	93	902392	4.82	
107 2,6-Dinitrotoluene	165	8.447	8.443	0.004	77	204888	5.26	
167 Famphur	218		8.473					9
108 1,2-Dinitrobenzene	168	8.495	8.497	-0.002	81	95707	5.00	
169 3,3'-Dimethylbenzidine	212		8.516					
109 Acenaphthylene	152	8.532	8.534	-0.002	89	1249198	4.93	
110 3-Nitroaniline	138	8.591	8.593	-0.002	76	233306	5.57	
111 2,4-Dinitrophenol	184	8.676	8.678	-0.002	43	61724	3.74	
112 Acenaphthene	153	8.676	8.678	-0.002	91	786853	4.89	
113 4-Nitrophenol	109	8.703	8.700	0.003	81	154774	5.02	
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165	8.789	8.785	0.004	77	276341	5.29	
116 Dibenzofuran	168	8.821	8.822	-0.001	85	1103564	4.75	
118 2,3,5,6-Tetrachlorophenol	232	8.879	8.881	-0.002	83	226462	4.97	
121 Diethyl phthalate	149	8.976	8.977	-0.001	94	901315	4.86	
123 4-Chlorophenyl phenyl ether	204	9.098	9.100	-0.002	88	495723	4.97	
125 4-Nitroaniline	138	9.109	9.111	-0.002	77	238065	5.39	
126 Fluorene	166	9.115	9.116	-0.001	68	961248	4.89	
128 4,6-Dinitro-2-methylphenol	198	9.131	9.132	-0.001	72	68089	2.31	
131 N-Nitrosodiphenylamine	169	9.195	9.191	0.004	94	713434	4.97	
176 Hexabromobenzene	232		9.208					
133 Azobenzene	77	9.232	9.234	-0.002	93	1765085	5.05	
132 1,2-Diphenylhydrazine	77	9.232	9.234	-0.002	100	1765483	5.05	
139 4-Bromophenyl phenyl ether	248	9.515	9.517	-0.002	67	256461	4.89	
179 6-Methylchrysene	242		9.576					
141 Hexachlorobenzene	284	9.579	9.581	-0.002	78	261065	4.94	
142 Atrazine	200	9.622	9.624	-0.002	77	247951	5.42	
143 Pentachlorophenol	266	9.740	9.741	-0.001	75	324135	8.63	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178	9.937	9.939	-0.002	82	1441704	4.64	
149 Anthracene	178	9.980	9.982	-0.002	83	1512747	4.86	
150 DFTPP								
151 Carbazole	167	10.103	10.105	-0.002	62	1333699	4.79	
154 Di-n-butyl phthalate	149	10.354	10.356	-0.002	100	1721181	5.03	
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.958	10.959	-0.001	78	1691858	4.77	
160 Benzidine	184	11.054	11.050	0.004	87	868214	4.89	
161 Pyrene	202	11.177	11.178	-0.001	73	1787098	4.96	
166 4,4'-DDE	246		11.233					9
165 4,4'-DDD	235		11.580					9
187 Dibenz[a,h]acridine	279		11.729					9
168 Butyl benzyl phthalate	149	11.786	11.787	-0.001	84	748351	5.21	
186 Dibenz[a,j]acridine	279		11.804					9
170 4,4'-DDT	235		11.922					
172 3,3'-Dimethoxybenzidine	244	12.416	12.418	-0.002	82	432296	5.51	
174 4,4'-Methylene bis(2-chloroanili	231	12.459	12.466	-0.007	66	296364	5.10	
175 3,3'-Dichlorobenzidine	252	12.464	12.466	-0.002	67	595782	5.15	
173 Bis(2-ethylhexyl) phthalate	149	12.480	12.482	-0.002	93	1080558	5.05	
177 Benzo[a]anthracene	228	12.523	12.525	-0.002	80	1548923	4.78	
178 Chrysene	228	12.571	12.573	-0.002	82	1449928	4.88	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149	13.420	13.422	-0.002	98	1859931	6.12	
182 Benzo[b]fluoranthene	252	14.077	14.079	-0.002	82	1361374	5.20	
183 Benzo[k]fluoranthene	252	14.120	14.122	-0.002	83	1348994	5.01	
184 Benzo[a]pyrene	252	14.590	14.597	-0.007	77	1192053	4.82	
188 Indeno[1,2,3-cd]pyrene	276	16.401	16.403	-0.002	79	909581	3.35	
189 Dibenz(a,h)anthracene	278	16.423	16.430	-0.007	59	761331	3.42	
190 Benzo[g,h,i]perylene	276	16.871	16.889	-0.018	78	658925	2.89	
S 191 Methyl Phenols,Total	100				0		10.3	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					
T 192 Octadecane (TIC)	57		0.000					
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 235 4-isopropylphenol TIC	121		4.756					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					
T 197 Hexachlorophene TIC	198		9.269					2
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

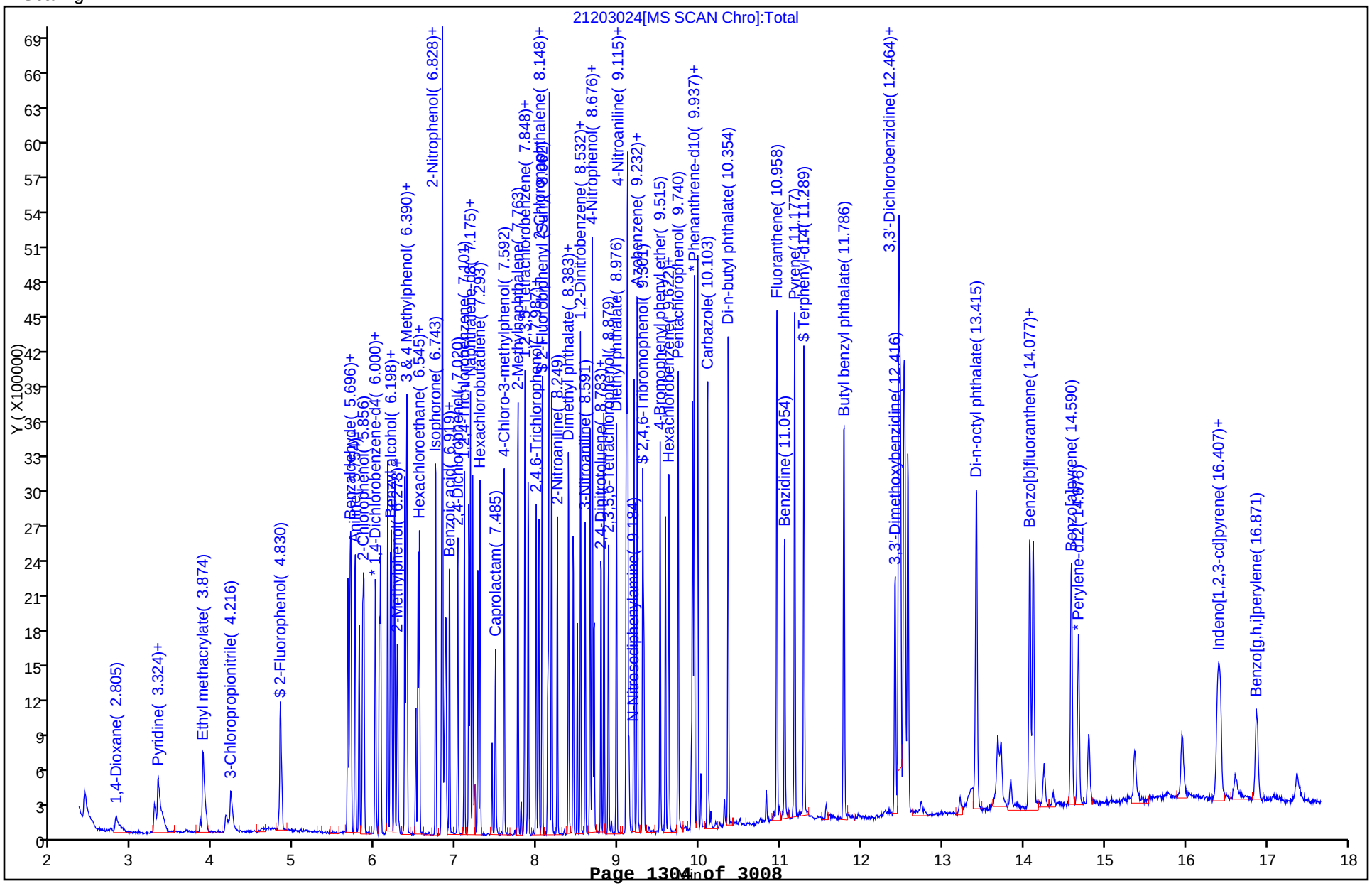
Report Date: 04-Dec-2012 09:30:56 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203024.D

Injection Date:	03-Dec-2012 20:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	24
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67729/3

Matrix: Solid | Lab File ID: 21207003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 13:43

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.83		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.84		0.00020	0.00010	0.00010
120-12-7	Anthracene	4.97		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.28		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.33		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.29		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.49		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	7.85		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.50		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.54		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.57		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.80		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.86		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.97		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.19		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.88		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	4.88		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.61		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.25		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.43		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.44		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.40		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.78		0.0010	0.00010	0.00010
106-46-7	1,4-Dichlorobenzene	5.33		0.0010	0.00080	0.00034
95-50-1	1,2-Dichlorobenzene	5.40		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.61		0.0010	0.00080	0.00080
91-94-1	3,3'-Dichlorobenzidine	5.52		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.31		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.29		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.78		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.61		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.59		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	5.07		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	8.55		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67729/3

Matrix: Solid | Lab File ID: 21207003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 13:43

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.88		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.66		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.89		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	4.78		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.61		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.43		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.71		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.60		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.02		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.48		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.72		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.08		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.53		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.68		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.85		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	4.80		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.37		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.41		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.46		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.66		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.75		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.27		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.17		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.86		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.77		0.00020	0.00010	0.00010
108-95-2	Phenol	5.58		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.32		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.55		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.06		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.95		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67729/3

Matrix: Solid | Lab File ID: 21207003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 13:43

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	107	Q	50-150
367-12-4	2-Fluorophenol (Surr)	108	Q	50-150
4165-60-0	Nitrobenzene-d5 (Surr)	109	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	106		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	108		50-150
4165-62-2	Phenol-d5 (Surr)	113	Q	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207003.D
Lims ID: mrl qc Client ID:
Inject. Date: 07-Dec-2012 13:43:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015623-003
Misc. Info.: MRL QC =MRL QC
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 67729 Lims Sample ID: 3
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 11:37:47 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 07-Dec-2012 14:42:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.950	5.949	0.001	86	204636	4.00	
* 2 Naphthalene-d8	136	7.067	7.066	0.001	98	871123	4.00	
* 3 Acenaphthene-d10	164	8.563	8.561	0.002	68	541865	4.00	
* 4 Phenanthrene-d10	188	9.818	9.817	0.001	78	896068	4.00	
* 5 Chrysene-d12	240	12.382	12.381	0.001	74	829131	4.00	
* 6 Perylene-d12	264	14.471	14.470	0.001	77	688574	4.00	
$ 7 2-Fluorophenol	112	4.684	4.688	-0.004	93	433770	5.39	
$ 8 Phenol-d5	99	5.587	5.591	-0.004	0	658694	5.67	
$ 9 Nitrobenzene-d5	82	6.436	6.435	0.001	84	726431	5.45	
$ 10 2-Fluorobiphenyl (Surr)	172	7.975	7.974	0.001	95	963421	5.35	
$ 11 2,4,6-Tribromophenol	330	9.225	9.224	0.001	86	113657	5.42	
$ 12 Terphenyl-d14	244	11.175	11.174	0.001	95	897527	5.28	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					
25 1,4-Dioxane	88	2.414	2.418	-0.004	87	186665	4.70	
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					9
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
26 N-Nitrosodimethylamine	74	2.905	2.899	0.006	72	327350	6.27	
27 Pyridine	79	2.953	2.947	0.006	84	557710	5.24	
37 Ethyl methanesulfonate	79		3.105					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69	3.632	3.631	0.001	81	487878	4.72	
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
29 3-Chloropropionitrile	54	4.022	4.021	0.001	83	239033	6.33	
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
63 N-Nitrosopiperidine	114		4.254					
33 Malononitrile	66		4.416					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.953					9
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.550	5.548	0.002	84	527589	5.13	
43 Phenol	94	5.603	5.602	0.001	95	734440	5.58	
44 Aniline	93	5.646	5.645	0.001	83	896380	5.45	
103 1,4-Naphthoquinone	158		5.680					
69 Bis(2-chloroethyl)ether	93	5.699	5.698	0.001	95	589549	5.80	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128	5.753	5.751	0.002	86	392418	5.25	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146	5.897	5.896	0.001	81	450801	5.61	
48 1,4-Dichlorobenzene	146	5.966	5.965	0.001	81	432686	5.33	
49 Benzyl alcohol	108	6.057	6.056	0.001	84	341442	5.54	
115 Pentachlorobenzene	250		6.091					
50 1,2-Dichlorobenzene	146	6.100	6.099	0.001	80	421731	5.40	
51 2-Methylphenol	108	6.148	6.147	0.001	94	486267	5.53	
117 1-Naphthylamine	143		6.166					
53 2,2'-oxybis[1-chloropropane]	45	6.180	6.179	0.001	93	617555	5.96	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
21 3 & 4 Methylphenol	108	6.276	6.280	-0.004	92	531564	5.68	
57 N-Nitrosodi-n-propylamine	70	6.292	6.291	0.001	71	485188	5.27	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105	6.298	6.296	0.002	85	680087	5.01	
122 Thionazin	97		6.305					
124 N-Nitro-o-toluidine	152		6.358					
127 Tributyl phosphate	99		6.379					9
61 Hexachloroethane	117	6.404	6.403	0.001	90	190591	5.02	
130 Diphenylamine	169		6.428					
62 Nitrobenzene	77	6.453	6.451	0.001	73	766617	5.46	
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					9
64 Isophorone	82	6.656	6.654	0.002	95	1208484	4.72	
230 Diallate Peak 2	86		6.695					
66 2-Nitrophenol	139	6.730	6.729	0.001	93	216436	5.66	
67 1,3,5-Trichlorobenzene	180	6.741	6.740	0.001	83	420956	5.36	
65 2,4-Dimethylphenol	107	6.746	6.745	0.001	95	513207	4.78	
140 Dimethoate	87		6.764					9
71 Benzoic acid	122	6.794	6.814	-0.020	78	312122	7.85	
70 Bis(2-chloroethoxy)methane	93	6.832	6.831	0.002	98	729398	5.57	
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					9
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162	6.933	6.932	0.001	90	327998	5.31	
146 Disulfoton	88		7.010					
74 1,2,4-Trichlorobenzene	180	7.013	7.012	0.001	77	423853	5.55	
147 Dinoseb	211		7.020					
75 Naphthalene	128	7.083	7.087	-0.004	79	1160081	4.85	
76 4-Chloroaniline	127	7.115	7.114	0.001	79	496951	5.25	
79 Hexachlorobutadiene	225	7.179	7.183	-0.004	87	237688	5.71	
80 1,2,3-Trichlorobenzene	180	7.206	7.204	0.002	79	412275	0	
152 Methyl parathion	109		7.282					9
84 Caprolactam	113	7.393	7.402	-0.009	78	146335	5.81	
86 4-Chloro-3-methylphenol	107	7.510	7.509	0.001	80	441920	4.88	
155 Ethyl Parathion	97		7.560					9
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142	7.671	7.675	-0.004	87	761430	5.08	
88 1-Methylnaphthalene	142	7.761	7.760	0.001	81	705645	4.86	
90 1,2,3,5-Tetrachlorobenzene	216	7.799	7.803	-0.004	83	441727	5.84	
89 Hexachlorocyclopentadiene	237	7.804	7.803	0.001	72	200171	4.60	
158 Isodrin	66		7.816					
92 2,4,6-Trichlorophenol	196	7.900	7.899	0.001	83	232371	4.95	
93 2,4,5-Trichlorophenol	196	7.932	7.931	0.001	90	261456	5.06	
97 2,4-Toluene diamine	121	8.044	8.043	0.001	97	161136	3.78	
99 1,2,3,4 -Tetrachlorobenzene	216		8.054					
98 1,1'-Biphenyl	154	8.061	8.065	-0.005	95	949357	4.85	
100 2-Chloronaphthalene	162	8.087	8.091	-0.004	93	838525	5.61	
226 Aramite Peak 1	185		8.131					9
102 2-Nitroaniline	65	8.162	8.161	0.001	74	333557	4.80	
229 Aramite Peak 2	185		8.185					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163	8.301	8.300	0.001	95	811060	4.61	
107 2,6-Dinitrotoluene	165	8.360	8.358	0.002	83	207320	5.66	
108 1,2-Dinitrobenzene	168	8.408	8.406	0.002	74	93910	5.22	
109 Acenaphthylene	152	8.445	8.444	0.001	86	1154467	4.84	
167 Famphur	218		8.473					
110 3-Nitroaniline	138	8.504	8.503	0.001	83	211312	5.37	
169 3,3'-Dimethylbenzidine	212		8.516					
112 Acenaphthene	153	8.589	8.588	0.001	87	730247	4.83	
111 2,4-Dinitrophenol	184	8.589	8.593	-0.004	64	187885	8.55	
113 4-Nitrophenol	109	8.616	8.620	-0.004	85	137579	4.75	
114 2,4-Dinitrotoluene	165	8.696	8.700	-0.004	81	289053	5.88	
171 2-Acetylaminofluorene	181		8.713					
116 Dibenzofuran	168	8.734	8.732	0.002	85	1041443	4.78	
118 2,3,5,6-Tetrachlorophenol	232	8.787	8.791	-0.004	86	208572	4.87	
121 Diethyl phthalate	149	8.889	8.887	0.002	95	748168	4.29	
123 4-Chlorophenyl phenyl ether	204	9.006	9.005	0.001	92	508662	5.43	
125 4-Nitroaniline	138	9.017	9.021	-0.004	76	224342	5.41	
126 Fluorene	166	9.022	9.021	0.001	70	852027	4.61	
128 4,6-Dinitro-2-methylphenol	198	9.043	9.042	0.001	78	157637	5.07	
131 N-Nitrosodiphenylamine	169	9.102	9.101	0.001	92	640449	5.17	
133 Azobenzene	77	9.140	9.144	-0.004	93	1426644	4.73	
132 1,2-Diphenylhydrazine	77	9.140	9.144	-0.004	100	1426644	4.73	
176 Hexabromobenzene	232	9.209	9.208	0.001	1	745	0	
139 4-Bromophenyl phenyl ether	248	9.423	9.421	0.002	65	269914	5.97	
141 Hexachlorobenzene	284	9.487	9.486	0.001	81	247658	5.43	
142 Atrazine	200	9.530	9.534	-0.004	77	206646	5.24	
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266	9.647	9.646	0.001	80	322234	9.86	
148 Phenanthrene	178	9.839	9.838	0.001	82	1276330	4.77	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
149 Anthracene	178	9.882	9.881	0.001	82	1333897	4.97	
150 DFTPP								
151 Carbazole	167	10.005	10.004	0.001	65	1171189	4.88	
154 Di-n-butyl phthalate	149	10.261	10.260	0.001	100	1355297	4.59	
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.849	10.848	0.001	78	1459528	4.78	
160 Benzidine	184	10.945	10.944	0.001	87	740167	5.18	
161 Pyrene	202	11.063	11.061	0.002	73	1525474	5.32	
166 4,4'-DDE	246		11.111					9
165 4,4'-DDD	235		11.490					
168 Butyl benzyl phthalate	149	11.656	11.654	0.002	90	594665	5.19	
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.779					
186 Dibenz[a,j]acridine	279		11.804					
172 3,3'-Dimethoxybenzidine	244	12.270	12.269	0.001	84	339940	5.45	
175 3,3'-Dichlorobenzidine	252	12.313	12.312	0.001	66	510933	5.52	
174 4,4'-Methylene bis(2-chloroanili	231	12.313	12.312	0.001	67	256407	5.54	
173 Bis(2-ethylhexyl) phthalate	149	12.334	12.333	0.001	95	827386	4.86	
177 Benzo[a]anthracene	228	12.366	12.370	-0.004	81	1362276	5.28	
178 Chrysene	228	12.414	12.418	-0.004	83	1286966	5.44	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149	13.248	13.246	0.002	100	1328741	4.89	
182 Benzo[b]fluoranthene	252	13.883	13.887	-0.004	80	1263591	5.29	
183 Benzo[k]fluoranthene	252	13.926	13.930	-0.004	84	1350477	5.50	
184 Benzo[a]pyrene	252	14.386	14.390	-0.004	75	1200491	5.33	
188 Indeno[1,2,3-cd]pyrene	276	16.143	16.142	0.001	66	1357490	5.48	
189 Dibenz(a,h)anthracene	278	16.165	16.169	-0.005	53	1096404	5.40	
190 Benzo[g,h,i]perylene	276	16.592	16.601	-0.009	74	1142232	5.49	
S 191 Methyl Phenols,Total	100				0		11.2	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57	15.160	0.0	15.160	86	87533	0	
T 195 Hydroquinone TIC	110	7.361	0.0	7.361	87	76740	0	
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135	5.192	5.098	0.092	1	354	0	
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272	7.804	8.280	-0.477	1	24689	0.1191	
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322	9.214	9.150	0.064	21	123917	0	
T 197 Hexachlorophene TIC	198	11.175	9.268	1.906	1	23294	0.1353	
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

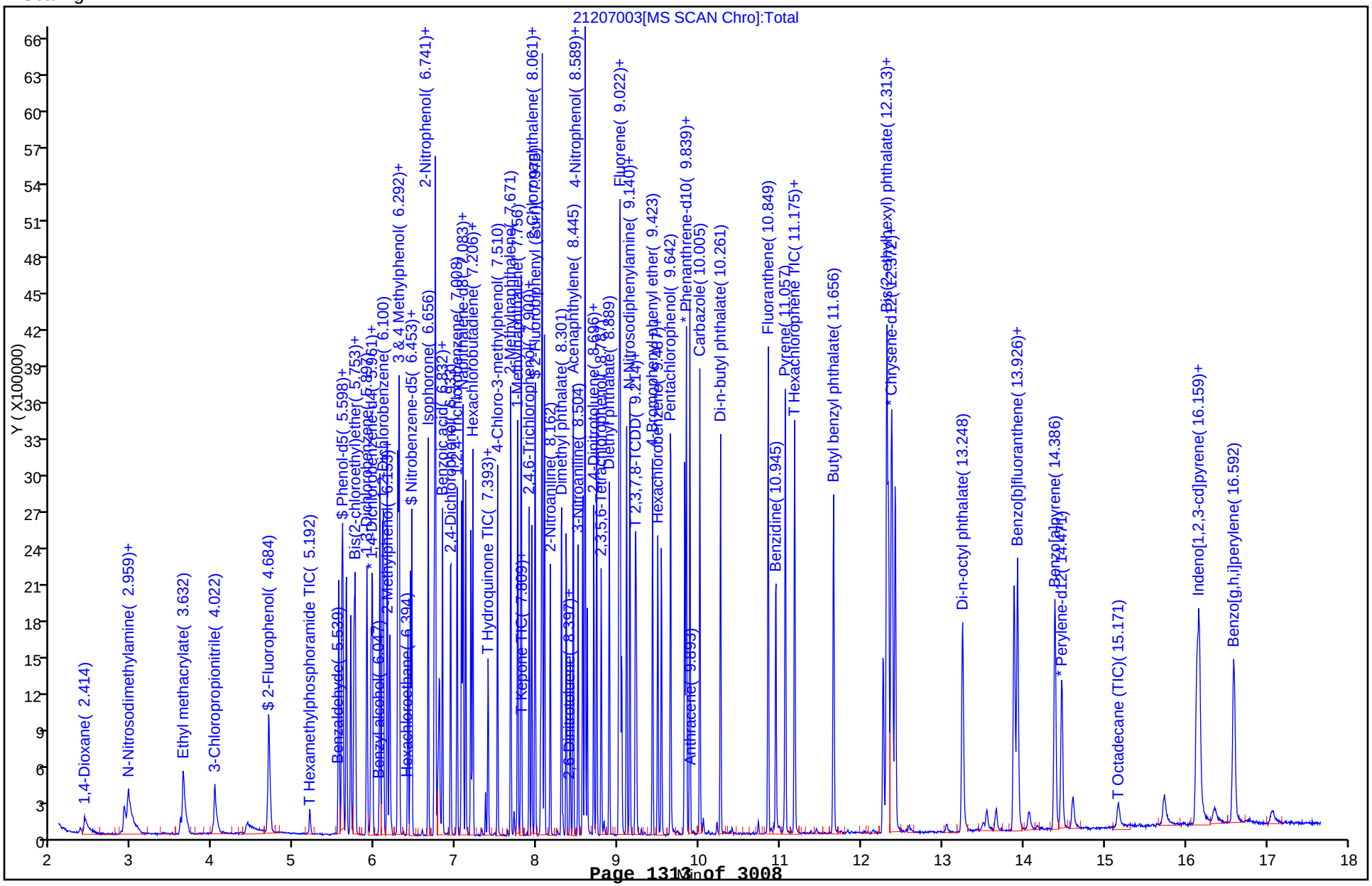
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 08-Dec-2012 11:37:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207003.D		
Injection Date:	07-Dec-2012 13:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67729/15

Matrix: Solid | Lab File ID: 21207015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 18:43

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.75		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.91		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.26		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.14		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.17		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.23		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.46		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.56		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.03		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.58		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.12		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.34		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.83		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.82		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.88		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.08		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	4.76		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.11		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.22		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.07		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.17		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.85		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.77		0.0010	0.00010	0.00010
106-46-7	1,4-Dichlorobenzene	5.13		0.0010	0.00080	0.00034
95-50-1	1,2-Dichlorobenzene	5.34		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.28		0.0010	0.00080	0.00080
91-94-1	3,3'-Dichlorobenzidine	5.41		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.18		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.43		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.86		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.54		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.83		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.99		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	8.50		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67729/15

Matrix: Solid | Lab File ID: 21207015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 18:43

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.43		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.52		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.05		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.14		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.71		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.35		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.05		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	0.542	^	0.010	0.00080	0.00080
67-72-1	Hexachloroethane	3.79		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.78		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.59		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.95		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.50		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.58		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.72		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	4.74		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.39		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.27		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.85		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.43		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.65		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.14		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.35		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.52		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	5.03		0.00020	0.00010	0.00010
108-95-2	Phenol	5.30		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.14		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.12		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	4.78		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.05		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67729/15

Matrix: Solid | Lab File ID: 21207015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 18:43

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	101		50-150
367-12-4	2-Fluorophenol (Surr)	103		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	99		50-150
1718-51-0	Terphenyl-d14 (Surr)	100		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	112		50-150
4165-62-2	Phenol-d5 (Surr)	110	Q	50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207015.D
Lims ID: mrl qccl Client ID:
Inject. Date: 07-Dec-2012 18:43:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015623-015
Misc. Info.: MRL QCCL =MRL QCCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 67729 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 11:37:47 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 08-Dec-2012 11:23:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.946	5.949	-0.003	87	283292	4.00	
* 2 Naphthalene-d8	136	7.068	7.066	0.002	99	1250981	4.00	
* 3 Acenaphthene-d10	164	8.559	8.561	-0.002	65	782669	4.00	
* 4 Phenanthrene-d10	188	9.819	9.817	0.002	76	1273090	4.00	
* 5 Chrysene-d12	240	12.384	12.381	0.003	70	1288644	4.00	
* 6 Perylene-d12	264	14.467	14.470	-0.003	78	1081295	4.00	
$ 7 2-Fluorophenol	112	4.691	4.688	0.003	94	573905	5.15	
$ 8 Phenol-d5	99	5.588	5.591	-0.003	0	885152	5.50	
$ 9 Nitrobenzene-d5	82	6.432	6.435	-0.003	84	948763	4.96	
$ 10 2-Fluorobiphenyl (Surr)	172	7.971	7.974	-0.003	94	1318035	5.07	
$ 11 2,4,6-Tribromophenol	330	9.221	9.224	-0.003	75	169153	5.58	
$ 12 Terphenyl-d14	244	11.171	11.174	-0.003	96	1321167	5.00	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					
25 1,4-Dioxane	88	2.415	2.418	-0.003	87	240641	4.38	
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
26 N-Nitrosodimethylamine	74	2.901	2.899	0.002	77	448079	6.20	
27 Pyridine	79	2.955	2.947	0.008	92	717610	4.87	
37 Ethyl methanesulfonate	79		3.105					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69	3.633	3.631	0.002	79	652577	4.56	
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					9
29 3-Chloropropionitrile	54	4.023	4.021	0.002	81	324265	6.21	
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
63 N-Nitrosopiperidine	114		4.254					
33 Malononitrile	66		4.416					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.551	5.548	0.003	83	713498	5.00	
43 Phenol	94	5.604	5.602	0.002	97	966203	5.30	
44 Aniline	93	5.642	5.645	-0.003	94	1223547	5.37	
103 1,4-Naphthoquinone	158		5.680					
69 Bis(2-chloroethyl)ether	93	5.701	5.698	0.003	92	751262	5.34	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
46 2-Chlorophenol	128	5.754	5.751	0.003	89	540044	5.22	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146	5.898	5.896	0.002	82	587211	5.28	
48 1,4-Dichlorobenzene	146	5.962	5.965	-0.003	80	576193	5.13	
49 Benzyl alcohol	108	6.059	6.056	0.003	84	475738	5.58	
115 Pentachlorobenzene	250		6.091					
50 1,2-Dichlorobenzene	146	6.101	6.099	0.002	80	577211	5.34	
51 2-Methylphenol	108	6.149	6.147	0.002	94	669283	5.50	
117 1-Naphthylamine	143		6.166					9
53 2,2'-oxybis[1-chloropropane]	45	6.181	6.179	0.002	94	819541	5.72	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
21 3 & 4 Methylphenol	108	6.278	6.280	-0.002	93	721804	5.58	
57 N-Nitrosodi-n-propylamine	70	6.294	6.291	0.003	71	655797	5.14	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105	6.299	6.296	0.003	90	957259	5.09	
122 Thionazin	97		6.305					9
124 N-Nitro-o-toluidine	152		6.358					
127 Tributyl phosphate	99		6.379					9
61 Hexachloroethane	117	6.406	6.403	0.003	90	199296	3.79	
130 Diphenylamine	169		6.428					9
62 Nitrobenzene	77	6.454	6.451	0.003	70	978185	4.85	
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					
64 Isophorone	82	6.657	6.654	0.003	95	1688470	4.59	
230 Diallate Peak 2	86		6.695					
66 2-Nitrophenol	139	6.726	6.729	-0.003	90	298248	5.43	
67 1,3,5-Trichlorobenzene	180	6.737	6.740	-0.003	84	563367	5.00	
65 2,4-Dimethylphenol	107	6.748	6.745	0.003	97	750257	4.86	
140 Dimethoate	87		6.764					9
71 Benzoic acid	122	6.801	6.814	-0.013	76	499669	8.56	
70 Bis(2-chloroethoxy)methane	93	6.828	6.831	-0.002	98	963283	5.12	
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					9
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162	6.929	6.932	-0.003	92	459441	5.18	
146 Disulfoton	88		7.010					
74 1,2,4-Trichlorobenzene	180	7.009	7.012	-0.003	80	560813	5.12	
147 Dinoseb	211		7.020					
75 Naphthalene	128	7.084	7.087	-0.003	80	1620010	4.72	
76 4-Chloroaniline	127	7.116	7.114	0.002	80	700799	5.16	
79 Hexachlorobutadiene	225	7.180	7.183	-0.003	84	302163	5.05	
80 1,2,3-Trichlorobenzene	180		7.204					
152 Methyl parathion	109		7.282					9
84 Caprolactam	113	7.399	7.402	-0.003	79	200980	5.56	
86 4-Chloro-3-methylphenol	107	7.512	7.509	0.003	79	619235	4.76	
155 Ethyl Parathion	97		7.560					9
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					9
87 2-Methylnaphthalene	142	7.672	7.675	-0.003	86	1066235	4.95	
88 1-Methylnaphthalene	142	7.757	7.760	-0.003	81	1013191	4.86	
90 1,2,3,5-Tetrachlorobenzene	216	7.800	7.803	-0.003	85	562968	5.16	
89 Hexachlorocyclopentadiene	237	7.800	7.803	-0.003	34	34075	0.5416	
158 Isodrin	66		7.816					9
92 2,4,6-Trichlorophenol	196	7.902	7.899	0.003	84	342464	5.05	
93 2,4,5-Trichlorophenol	196	7.934	7.931	0.003	89	356180	4.78	
97 2,4-Toluene diamine	121	8.040	8.043	-0.003	95	262594	4.29	
99 1,2,3,4 -Tetrachlorobenzene	216	8.056	8.054	0.002	79	563972	0	
98 1,1'-Biphenyl	154	8.062	8.065	-0.003	94	1353206	4.79	
100 2-Chloronaphthalene	162	8.089	8.091	-0.002	93	1101512	5.11	
226 Aramite Peak 1	185		8.131					9
102 2-Nitroaniline	65	8.158	8.161	-0.003	72	476079	4.74	
229 Aramite Peak 2	185		8.185					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163	8.297	8.300	-0.003	93	1154718	4.54	
107 2,6-Dinitrotoluene	165	8.356	8.358	-0.002	80	291976	5.52	
108 1,2-Dinitrobenzene	168	8.409	8.406	0.003	82	132201	5.09	
109 Acenaphthylene	152	8.441	8.444	-0.003	86	1690290	4.91	
167 Famphur	218		8.473					
110 3-Nitroaniline	138	8.505	8.503	0.002	84	306809	5.39	
169 3,3'-Dimethylbenzidine	212		8.516					
112 Acenaphthene	153	8.585	8.588	-0.003	87	1036690	4.75	
111 2,4-Dinitrophenol	184	8.591	8.593	-0.002	64	269405	8.50	
113 4-Nitrophenol	109	8.617	8.620	-0.003	85	194607	4.65	
114 2,4-Dinitrotoluene	165	8.698	8.700	-0.002	78	385295	5.43	
171 2-Acetylaminofluorene	181		8.713					
116 Dibenzofuran	168	8.735	8.732	0.003	86	1503886	4.77	
118 2,3,5,6-Tetrachlorophenol	232	8.788	8.791	-0.003	83	300010	4.85	
121 Diethyl phthalate	149	8.890	8.887	0.003	96	1114560	4.43	
123 4-Chlorophenyl phenyl ether	204	9.007	9.005	0.002	86	685515	5.07	
125 4-Nitroaniline	138	9.018	9.021	-0.003	78	315448	5.27	
126 Fluorene	166	9.023	9.021	0.002	68	1256252	4.71	
128 4,6-Dinitro-2-methylphenol	198	9.039	9.042	-0.003	78	219999	4.99	
131 N-Nitrosodiphenylamine	169	9.104	9.101	0.003	92	941175	5.35	
133 Azobenzene	77	9.141	9.144	-0.003	91	2019837	4.72	
132 1,2-Diphenylhydrazine	77	9.141	9.144	-0.003	99	2021003	4.72	
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248	9.424	9.421	0.003	65	373826	5.82	
141 Hexachlorobenzene	284	9.488	9.486	0.002	79	346309	5.35	
142 Atrazine	200	9.531	9.534	-0.003	82	301613	5.39	
179 6-Methylchrysene	242		9.576					
143 Pentachlorophenol	266	9.643	9.646	-0.003	78	441143	9.52	
148 Phenanthrene	178	9.841	9.838	0.003	81	1914780	5.03	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
149 Anthracene	178	9.884	9.881	0.003	83	2002707	5.26	
150 DFTPP								
151 Carbazole	167	10.006	10.004	0.002	79	1732350	5.08	
154 Di-n-butyl phthalate	149	10.257	10.260	-0.003	100	2026752	4.83	
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.845	10.848	-0.003	78	2230066	5.14	
160 Benzidine	184	10.941	10.944	-0.003	78	1116522	5.05	
161 Pyrene	202	11.059	11.061	-0.002	73	2290611	5.14	
166 4,4'-DDE	246		11.111					9
165 4,4'-DDD	235		11.490					9
168 Butyl benzyl phthalate	149	11.652	11.654	-0.002	86	869281	4.88	
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.779					9
186 Dibenz[a,j]acridine	279		11.804					
172 3,3'-Dimethoxybenzidine	244	12.266	12.269	-0.003	77	611439	6.19	
175 3,3'-Dichlorobenzidine	252	12.309	12.312	-0.003	58	777429	5.41	
174 4,4'-Methylene bis(2-chloroanili	231	12.309	12.312	-0.003	60	374051	5.20	
173 Bis(2-ethylhexyl) phthalate	149	12.330	12.333	-0.003	95	1279583	4.83	
177 Benzo[a]anthracene	228	12.368	12.370	-0.002	79	2061136	5.14	
178 Chrysene	228	12.416	12.418	-0.002	84	1901504	5.17	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149	13.244	13.246	-0.002	99	2160525	5.05	
182 Benzo[b]fluoranthene	252	13.885	13.887	-0.002	78	1958610	5.23	
183 Benzo[k]fluoranthene	252	13.922	13.930	-0.008	71	1939325	5.03	
184 Benzo[a]pyrene	252	14.387	14.390	-0.003	73	1829449	5.17	
188 Indeno[1,2,3-cd]pyrene	276	16.139	16.142	-0.003	78	1859620	4.78	
189 Dibenz(a,h)anthracene	278	16.166	16.169	-0.003	65	1545543	4.85	
190 Benzo[g,h,i]perylene	276	16.593	16.601	-0.008	71	1456770	4.46	
S 191 Methyl Phenols,Total	100				0		11.1	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					
T 195 Hydroquinone TIC	110		0.000					
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

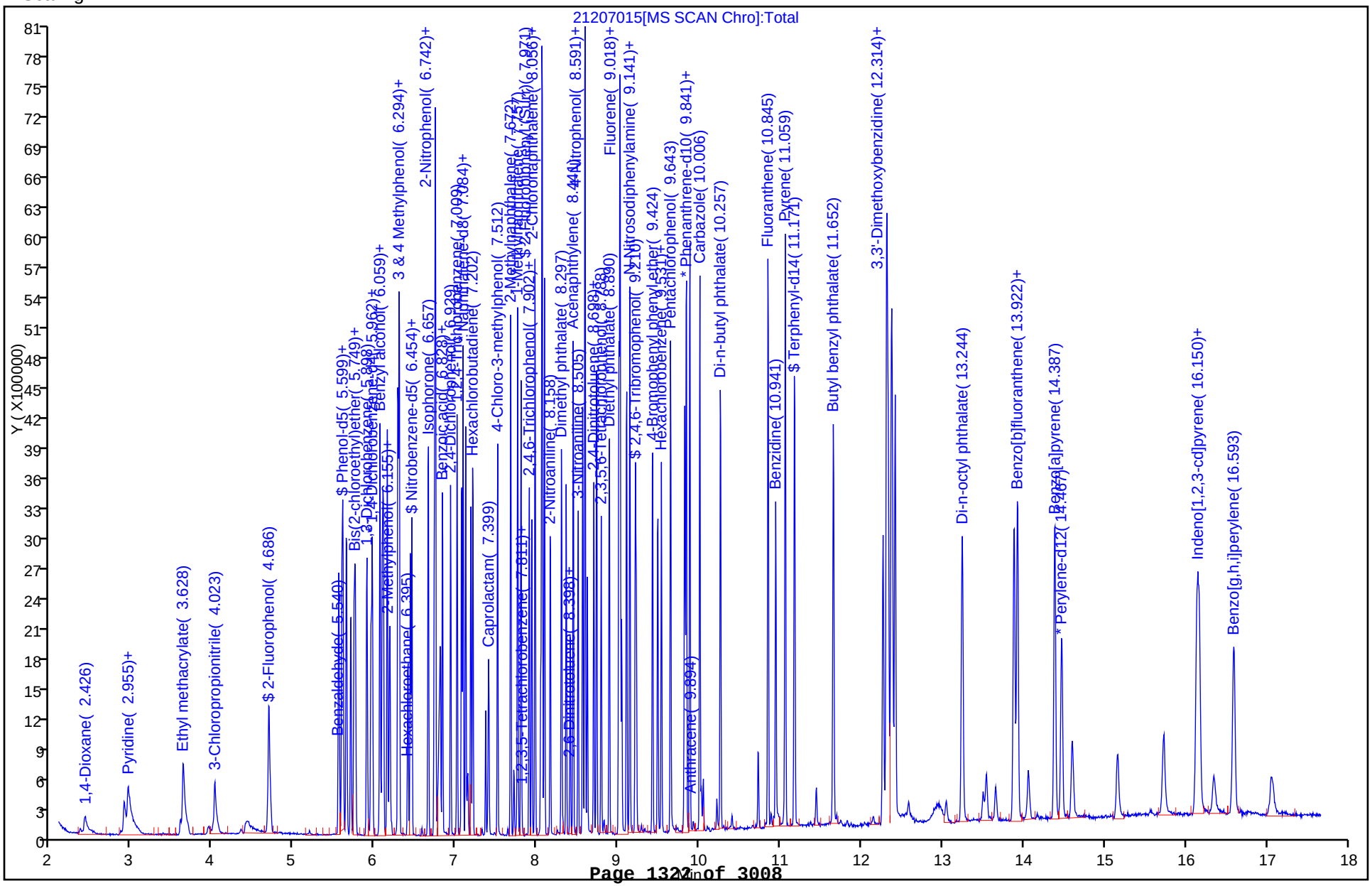
Report Date: 08-Dec-2012 11:37:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207015.D

Injection Date:	07-Dec-2012 18:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	15
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW MS | Lab Sample ID: 240-17477-4 MS

Matrix: Water | Lab File ID: 21116017.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 14:27

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	11.9		0.19	0.095	0.095
208-96-8	Acenaphthylene	11.7		0.19	0.095	0.095
120-12-7	Anthracene	10.8		0.19	0.095	0.095
56-55-3	Benzo[a]anthracene	11.8		0.19	0.095	0.095
50-32-8	Benzo[a]pyrene	9.33	J	0.19	0.095	0.095
205-99-2	Benzo[b]fluoranthene	10.6		0.19	0.095	0.095
191-24-2	Benzo[g,h,i]perylene	12.0		0.19	0.095	0.095
65-85-0	Benzoic acid	11.5	J	24	9.5	9.5
207-08-9	Benzo[k]fluoranthene	13.0		0.19	0.095	0.095
100-51-6	Benzyl alcohol	11.9		4.8	0.76	0.36
111-91-1	Bis(2-chloroethoxy)methane	11.3		0.95	0.76	0.30
111-44-4	Bis(2-chloroethyl)ether	10.8		0.95	0.095	0.095
108-60-1	bis (2-chloroisopropyl) ether	10.9		0.95	0.76	0.38
117-81-7	Bis(2-ethylhexyl) phthalate	34.4	J	1.9	0.76	0.76
101-55-3	4-Bromophenyl phenyl ether	12.4		1.9	0.76	0.76
85-68-7	Butyl benzyl phthalate	13.0		0.95	0.76	0.76
86-74-8	Carbazole	12.7		0.95	0.76	0.27
106-47-8	4-Chloroaniline	8.49		1.9	0.76	0.76
59-50-7	4-Chloro-3-methylphenol	12.6		1.9	0.76	0.76
91-58-7	2-Chloronaphthalene	11.4		0.95	0.095	0.095
95-57-8	2-Chlorophenol	11.3		0.95	0.76	0.28
7005-72-3	4-Chlorophenyl phenyl ether	12.3		1.9	0.76	0.29
218-01-9	Chrysene	13.2		0.19	0.095	0.095
53-70-3	Dibenz(a,h)anthracene	12.5		0.19	0.095	0.095
132-64-9	Dibenzofuran	12.1		0.95	0.095	0.095
106-46-7	1,4-Dichlorobenzene	10.5		0.95	0.76	0.32
95-50-1	1,2-Dichlorobenzene	10.3		0.95	0.76	0.28
541-73-1	1,3-Dichlorobenzene	10.1		0.95	0.76	0.76
91-94-1	3,3'-Dichlorobenzidine	0.76	U J	4.8	0.76	0.35
120-83-2	2,4-Dichlorophenol	11.9		1.9	0.76	0.76
84-66-2	Diethyl phthalate	13.1		0.95	0.76	0.57
105-67-9	2,4-Dimethylphenol	9.85		1.9	0.76	0.76
131-11-3	Dimethyl phthalate	12.7		0.95	0.76	0.28
84-74-2	Di-n-butyl phthalate	13.2		0.95	0.76	0.64

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW MS | Lab Sample ID: 240-17477-4 MS

Matrix: Water | Lab File ID: 21116017.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 14:27

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	12.3		4.8	2.3	2.3
51-28-5	2,4-Dinitrophenol	10.8		4.8	2.3	2.3
121-14-2	2,4-Dinitrotoluene	13.7		4.8	0.76	0.26
606-20-2	2,6-Dinitrotoluene	13.1		4.8	0.76	0.76
117-84-0	Di-n-octyl phthalate	10.2		0.95	0.76	0.76
206-44-0	Fluoranthene	13.3		0.19	0.095	0.095
86-73-7	Fluorene	12.3		0.19	0.095	0.095
118-74-1	Hexachlorobenzene	11.9		0.19	0.095	0.095
87-68-3	Hexachlorobutadiene	9.47		0.95	0.76	0.26
77-47-4	Hexachlorocyclopentadiene	4.07	J	9.5	0.76	0.76
67-72-1	Hexachloroethane	10.1		0.95	0.76	0.76
193-39-5	Indeno[1,2,3-cd]pyrene	12.1		0.19	0.095	0.095
78-59-1	Isophorone	11.9		0.95	0.76	0.26
91-57-6	2-Methylnaphthalene	11.5		0.19	0.095	0.095
95-48-7	2-Methylphenol	11.7		0.95	0.76	0.76
15831-10-4	3 & 4 Methylphenol	24.2		1.9	0.76	0.76
91-20-3	Naphthalene	10.8		0.19	0.095	0.095
88-74-4	2-Nitroaniline	12.4		1.9	0.76	0.76
99-09-2	3-Nitroaniline	10.2		1.9	0.76	0.27
100-01-6	4-Nitroaniline	11.5		1.9	0.76	0.76
98-95-3	Nitrobenzene	10.6		0.95	0.095	0.038
88-75-5	2-Nitrophenol	11.5		1.9	0.76	0.27
100-02-7	4-Nitrophenol	12.0		4.8	2.3	2.3
621-64-7	N-Nitrosodi-n-propylamine	11.7		0.95	0.76	0.76
86-30-6	N-Nitrosodiphenylamine	10.4		0.95	0.76	0.30
87-86-5	Pentachlorophenol	11.7		4.8	2.3	2.3
85-01-8	Phenanthrene	12.7		0.19	0.095	0.095
108-95-2	Phenol	11.7		0.95	0.76	0.57
129-00-0	Pyrene	12.5		0.19	0.095	0.095
120-82-1	1,2,4-Trichlorobenzene	9.71		0.95	0.76	0.27
95-95-4	2,4,5-Trichlorophenol	12.4		4.8	0.76	0.29
88-06-2	2,4,6-Trichlorophenol	12.2		4.8	0.76	0.76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

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Matrix: Water | Lab File ID: 21116017.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 14:27

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		50-110
367-12-4	2-Fluorophenol (Surr)	57		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	54		40-110
1718-51-0	Terphenyl-d14 (Surr)	73		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	71		40-125
4165-62-2	Phenol-d5 (Surr)	61		10-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116017.D
Lims ID: 240-17477-H-4-A MS Client ID: 068SW-0016-0002-SW
Inject. Date: 16-Nov-2012 14:27:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0015012-017
Misc. Info.: 240-17477-H-4-A MS =240-17477-H-4-A MS
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 65294 Lims Sample ID: 17
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m
Last Update: 17-Nov-2012 12:48:08 Calib Date: 15-Nov-2012 10:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 16-Nov-2012 15:05:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.674	3.677	-0.003	87	126171	4.00	
* 2 Naphthalene-d8	136	4.636	4.639	-0.003	97	513497	4.00	
* 3 Acenaphthene-d10	164	5.928	5.931	-0.003	72	347548	4.00	
* 4 Phenanthrene-d10	188	7.002	7.010	-0.008	98	645024	4.00	
* 5 Chrysene-d12	240	8.941	8.949	-0.008	77	656975	4.00	
* 6 Perylene-d12	264	10.201	10.215	-0.014	93	550265	4.00	
$ 7 2-Fluorophenol	112	2.676	2.673	0.003	93	403603	8.55	
$ 8 Phenol-d5	99	3.370	3.373	-0.003	0	620695	9.20	
$ 9 Nitrobenzene-d5	82	4.091	4.094	-0.003	85	422843	5.43	
$ 10 2-Fluorobiphenyl (Surr)	172	5.416	5.424	-0.008	99	672020	5.81	
$ 11 2,4,6-Tribromophenol	330	6.500	6.503	-0.003	88	128493	10.7	
$ 12 Terphenyl-d14	244	8.134	8.142	-0.008	99	921126	7.29	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88	1.581	1.578	0.003	78	102035	3.78	
26 N-Nitrosodimethylamine	74	1.762	1.765	-0.003	77	222314	5.04	
27 Pyridine	79	1.800	1.792	0.008	89	31043	0.4622	
28 Ethyl methacrylate	69		2.032					
29 3-Chloropropionitrile	54		2.224					9
31 2-Picoline	93	2.280	2.338	-0.058	89	28002	0.4259	
32 N-Nitrosomethylethylamine	88		2.396					
33 Malononitrile	66		2.411					
34 Methyl methanesulfonate	80		2.610					9
233 n,n'-Dimethylacetamide	44		2.674					
30 3-Picoline	93		2.674					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.914					
37 Ethyl methanesulfonate	79	3.066	3.123	-0.057	93	260498	5.41	
38 2-Methylcyclohexanone	68		3.315					
39 3-Methylcyclohexanone	69		3.342					
41 Benzaldehyde	77	3.343	3.346	-0.003	85	303559	5.69	
40 4-Methylcyclohexanone	55		3.379					
43 Phenol	94	3.381	3.383	-0.002	92	447816	6.12	
44 Aniline	93	3.423	3.426	-0.003	93	315477	3.42	
69 Bis(2-chloroethyl)ether	93	3.455	3.458	-0.003	90	334123	5.68	
46 2-Chlorophenol	128	3.520	3.522	-0.002	93	252783	5.91	
45 Pentachloroethane	167		3.529					9
42 Phenylmercaptan	110		3.596					9
47 1,3-Dichlorobenzene	146	3.637	3.640	-0.003	84	260080	5.28	
48 1,4-Dichlorobenzene	146	3.685	3.693	-0.008	78	265301	5.49	
49 Benzyl alcohol	108	3.765	3.768	-0.003	84	214363	6.25	
50 1,2-Dichlorobenzene	146	3.808	3.811	-0.003	81	251821	5.39	
51 2-Methylphenol	108	3.840	3.848	-0.008	94	292056	6.15	
53 2,2'-oxybis[1-chloropropane]	45	3.861	3.864	-0.003	100	294941	5.73	
232 1-Methyl-2-pyrrilidinone	99		3.880					
21 3 & 4 Methylphenol	108	3.957	3.960	-0.003	96	642733	12.7	
57 N-Nitrosodi-n-propylamine	70	3.963	3.971	-0.008	71	315043	6.14	
58 Acetophenone	105	3.968	3.976	-0.008	85	446251	5.91	
56 N-Nitrosopyrrolidine	100		4.009					
59 N-Nitrosomorpholine	56		4.036					
60 2-Toluidine	106		4.063					9
61 Hexachloroethane	117	4.064	4.067	-0.003	91	105704	5.28	
52 Indene	115		4.084					
62 Nitrobenzene	77	4.107	4.110	-0.003	74	430405	5.59	
63 N-Nitrosopiperidine	114		4.276					
64 Isophorone	82	4.278	4.286	-0.008	94	845771	6.24	
66 2-Nitrophenol	139	4.342	4.350	-0.008	92	153722	6.01	
65 2,4-Dimethylphenol	107	4.358	4.361	-0.003	81	323193	5.17	
67 1,3,5-Trichlorobenzene	180		4.361					
70 Bis(2-chloroethoxy)methane	93	4.422	4.430	-0.008	94	424302	5.92	
68 o,o',o''-Triethylphosphorothioat	198		4.463					
71 Benzoic acid	122	4.427	4.468	-0.041	40	157345	6.04	
17 4-Chlorophenol	128		4.500					9
73 2,4-Dichlorophenol	162	4.524	4.526	-0.002	93	243742	6.27	
24 Catechol	110		4.592					
74 1,2,4-Trichlorobenzene	180	4.588	4.596	-0.008	87	238234	5.10	
75 Naphthalene	128	4.652	4.655	-0.003	97	752984	5.65	
76 4-Chloroaniline	127	4.679	4.681	-0.002	79	255717	4.46	
79 Hexachlorobutadiene	225	4.737	4.740	-0.003	88	138267	4.97	
77 2,6-Dichlorophenol	162		4.752					
80 1,2,3-Trichlorobenzene	180		4.761					9
78 Hexachloropropene	213		4.784					
72 alpha,alpha-Dimethyl phenethylam	58		4.848					9
15 3-Methylcatechol	124		4.913					9
84 Caprolactam	113	4.935	4.948	-0.013	78	126281	7.03	
83 N-Nitrosodi-n-butylamine	84		4.976					
85 p-Phenylene diamine	108		5.003					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
86 4-Chloro-3-methylphenol	107	5.031	5.034	-0.003	78	359223	6.62	
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					9
82 Quinoline	129		5.099					
94 Safrole, Total	162	5.079	5.142	-0.063	79	225557	6.11	
87 2-Methylnaphthalene	142	5.159	5.162	-0.003	85	527809	6.01	
88 1-Methylnaphthalene	142	5.234	5.237	-0.003	81	512538	6.16	
89 Hexachlorocyclopentadiene	237	5.277	5.280	-0.003	89	74052	2.13	
90 1,2,3,5-Tetrachlorobenzene	216		5.280					
91 1,2,4,5-Tetrachlorobenzene	216		5.350					
225 Isosafrole Peak 1	162		5.355					9
92 2,4,6-Trichlorophenol	196	5.362	5.365	-0.003	90	215110	6.39	
93 2,4,5-Trichlorophenol	196	5.394	5.397	-0.003	93	234990	6.52	
97 2,4-Toluene diamine	121		5.482					
98 1,1'-Biphenyl	154	5.496	5.499	-0.002	96	691214	5.90	
99 1,2,3,4 -Tetrachlorobenzene	216		5.499					
100 2-Chloronaphthalene	162	5.517	5.525	-0.008	96	560657	5.96	
227 Isosafrole Peak 2	162		5.526					9
102 2-Nitroaniline	65	5.581	5.589	-0.008	70	261101	6.51	
105 Dimethyl phthalate	163	5.699	5.701	-0.002	95	737443	6.68	
103 1,4-Naphthoquinone	158		5.702					
96 3,4-Dichloronitrobenzene	109		5.725					
104 1,4-Dinitrobenzene	168	5.672	5.729	-0.057	84	114685	7.25	
107 2,6-Dinitrotoluene	165	5.752	5.755	-0.003	70	175118	6.90	
101 Phenyl ether	170		5.773					9
106 1,3-Dinitrobenzene	168	5.731	5.788	-0.057	82	135433	7.65	
108 1,2-Dinitrobenzene	168	5.795	5.803	-0.008	79	93213	7.28	
109 Acenaphthylene	152	5.827	5.830	-0.003	90	916911	6.15	
110 3-Nitroaniline	138	5.880	5.883	-0.003	86	140421	5.37	
112 Acenaphthene	153	5.950	5.953	-0.002	93	577023	6.27	
111 2,4-Dinitrophenol	184	5.955	5.963	-0.008	65	104573	5.65	
113 4-Nitrophenol	109	5.992	5.995	-0.003	88	120276	6.32	
114 2,4-Dinitrotoluene	165	6.046	6.054	-0.008	87	246187	7.17	
116 Dibenzofuran	168	6.073	6.081	-0.008	83	857382	6.37	
115 Pentachlorobenzene	250		6.114					
118 2,3,5,6-Tetrachlorophenol	232	6.126	6.134	-0.008	88	192462	6.60	
117 1-Naphthylamine	143		6.188					9
121 Diethyl phthalate	149	6.206	6.209	-0.003	97	747854	6.87	
119 2,3,4,6-Tetrachlorophenol	232	6.158	6.226	-0.068	71	199279	7.46	
120 2-Naphthylamine	143		6.247					9
123 4-Chlorophenyl phenyl ether	204	6.302	6.310	-0.008	89	385181	6.47	
126 Fluorene	166	6.324	6.326	-0.002	89	736309	6.46	
122 Thionazin	97		6.327					
125 4-Nitroaniline	138	6.324	6.332	-0.008	54	169818	6.05	
128 4,6-Dinitro-2-methylphenol	198	6.345	6.353	-0.008	81	158140	6.48	
124 N-Nitro-o-toluidine	152		6.381					
131 N-Nitrosodiphenylamine	169	6.388	6.396	-0.008	98	488988	5.48	
127 Tributyl phosphate	99		6.402					
133 Azobenzene	77	6.420	6.428	-0.008	96	994045	6.05	
132 1,2-Diphenylhydrazine	77	6.420	6.428	-0.008	98	994045	6.05	
130 Diphenylamine	169	6.388	6.450	-0.062	93	488988	4.85	
134 Sulfotepp	202		6.541					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
135 1,3,5-Trinitrobenzene	213		6.621					9
228 Diallate Peak 1	86		6.653					9
137 Phenacetin	108	6.596	6.658	-0.062	83	425081	6.64	
139 4-Bromophenyl phenyl ether	248	6.660	6.663	-0.003	66	212304	6.50	
138 Phorate	121	6.596	6.664	-0.068	85	138840	5.86	
230 Diallate Peak 2	86		6.723					
141 Hexachlorobenzene	284	6.729	6.738	-0.009	81	195267	6.25	
142 Atrazine	200	6.756	6.764	-0.008	88	244659	7.93	
140 Dimethoate	87		6.787					9
143 Pentachlorophenol	266	6.863	6.871	-0.008	83	137596	6.13	
129 4-Aminobiphenyl	169		6.915					9
144 Pronamide	173	6.879	6.942	-0.063	85	363413	7.05	
145 Pentachloronitrobenzene	237		6.942					9
148 Phenanthrene	178	7.023	7.026	-0.003	98	1154092	6.69	
146 Disulfoton	88		7.038					
147 Dinoseb	211		7.043					9
149 Anthracene	178	7.061	7.063	-0.002	86	1010760	5.68	
151 Carbazole	167	7.167	7.170	-0.003	82	1046197	6.68	
152 Methyl parathion	109		7.310					
154 Di-n-butyl phthalate	149	7.376	7.379	-0.003	100	1347089	6.90	
155 Ethyl Parathion	97		7.582					
153 Diphenylsulfone	125		7.616					
156 4-Nitroquinoline-1-oxide	190		7.636					
157 Methapyrilene	58		7.673					
158 Isodrin	66		7.844					
159 Fluoranthene	202	7.883	7.891	-0.008	98	1414926	7.00	
160 Benzidine	184		7.961					
161 Pyrene	202	8.054	8.062	-0.008	95	1373683	6.58	
166 4,4'-DDE	246		8.097					9
226 Aramite Peak 1	185		8.159					
229 Aramite Peak 2	185		8.213					
163 p-Dimethylamino azobenzene	225		8.304					
164 Chlorobenzilate	139	8.257	8.325	-0.068	90	388120	7.20	
165 4,4'-DDD	235		8.375					
168 Butyl benzyl phthalate	149	8.465	8.473	-0.008	93	613474	6.84	
167 Famphur	218		8.506					9
169 3,3'-Dimethylbenzidine	212		8.549					9
170 4,4'-DDT	235		8.578					9
171 2-Acetylaminofluorene	181		8.741					9
172 3,3'-Dimethoxybenzidine	244		8.863					
173 Bis(2-ethylhexyl) phthalate	149	8.877	8.879	-0.002	95	2275932	18.1	
174 4,4'-Methylene bis(2-chloroanili	231		8.895					9
175 3,3'-Dichlorobenzidine	252		8.901					9
177 Benzo[a]anthracene	228	8.930	8.944	-0.014	89	1276742	6.19	
178 Chrysene	228	8.962	8.970	-0.008	91	1271213	6.91	
176 Hexabromobenzene	232		9.208					
180 Di-n-octyl phthalate	149	9.357	9.365	-0.008	99	1192368	5.36	
179 6-Methylchrysene	242		9.576					
182 Benzo[b]fluoranthene	252	9.817	9.830	-0.013	86	1131519	5.55	
183 Benzo[k]fluoranthene	252	9.843	9.857	-0.014	77	1272734	6.80	
181 7,12-Dimethylbenz(a)anthracene	256		9.895					
184 Benzo[a]pyrene	252	10.148	10.161	-0.013	74	866953	4.90	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
185 3-Methylcholanthrene	268		10.638					
188 Indeno[1,2,3-cd]pyrene	276	11.547	11.577	-0.030	86	1163372	6.36	
189 Dibenz(a,h)anthracene	278	11.547	11.577	-0.030	80	1006859	6.59	
187 Dibenz[a,h]acridine	279		11.729					9
186 Dibenz[a,j]acridine	279		11.804					9
190 Benzo[g,h,i]perylene	276	11.958	11.983	-0.025	90	970658	6.31	
S 191 Methyl Phenols,Total	100				0		18.8	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 192 Octadecane (TIC)	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 235 4-isopropylphenol TIC	121		4.756					
T 236 3-isopropylphenol TIC	121		4.756					
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

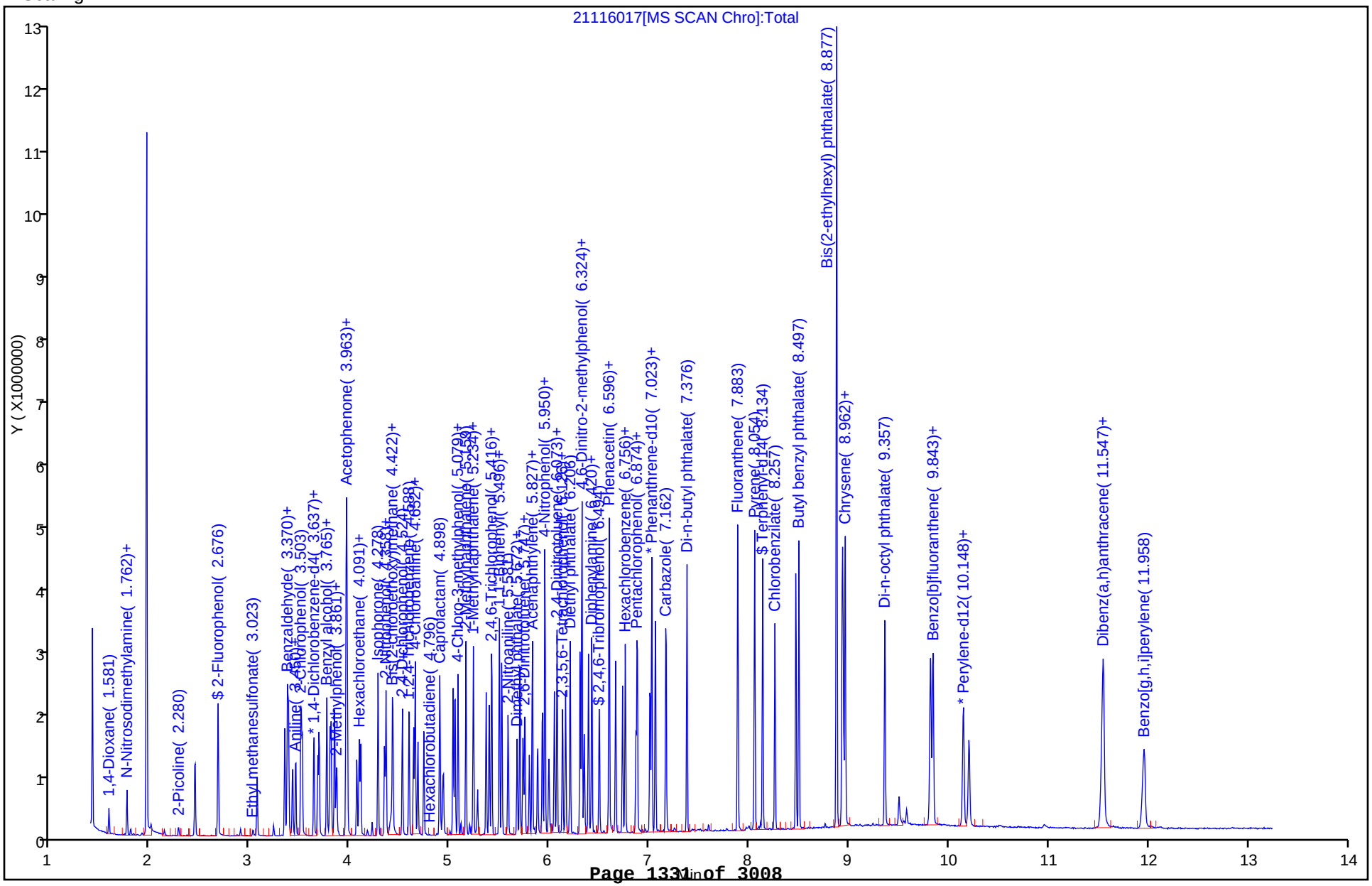
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 17-Nov-2012 12:48:16 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116017.D		
Injection Date:	16-Nov-2012 14:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SW-0016-0002-SW	Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS | Lab Sample ID: 240-17477-6 MS

Matrix: Solid | Lab File ID: 21203018.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.10(g) | Date Analyzed: 12/03/2012 18:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	461		6.6	3.3	3.3
208-96-8	Acenaphthylene	480		6.6	3.3	3.3
120-12-7	Anthracene	467		6.6	3.3	3.3
56-55-3	Benzo[a]anthracene	475		6.6	3.3	3.3
50-32-8	Benzo[a]pyrene	440		6.6	3.3	3.3
205-99-2	Benzo[b]fluoranthene	516		6.6	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	398		6.6	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	458		6.6	3.3	3.3
100-51-6	Benzyl alcohol	473		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	485		100	27	22
111-44-4	Bis(2-chloroethyl)ether	478		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	489		100	27	9.5
101-55-3	4-Bromophenyl phenyl ether	500		50	27	13
85-68-7	Butyl benzyl phthalate	486		50	27	10
86-74-8	Carbazole	434		50	27	27
106-47-8	4-Chloroaniline	167		150	27	17
59-50-7	4-Chloro-3-methylphenol	496		150	27	21
91-58-7	2-Chloronaphthalene	476		50	3.3	3.3
95-57-8	2-Chlorophenol	500		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	470		50	27	13
218-01-9	Chrysene	514		6.6	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	400		6.6	3.3	3.3
132-64-9	Dibenzofuran	482		50	3.3	3.3
106-46-7	1,4-Dichlorobenzene	460		50	27	20
95-50-1	1,2-Dichlorobenzene	448		50	27	9.7
541-73-1	1,3-Dichlorobenzene	445		50	27	11
91-94-1	3,3'-Dichlorobenzidine	80	U J	100	80	18
120-83-2	2,4-Dichlorophenol	487		150	27	20
84-66-2	Diethyl phthalate	485		50	27	16
105-67-9	2,4-Dimethylphenol	421		150	80	20
131-11-3	Dimethyl phthalate	465		50	27	17
84-74-2	Di-n-butyl phthalate	494		50	27	15
534-52-1	4,6-Dinitro-2-methylphenol	227		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS | Lab Sample ID: 240-17477-6 MS

Matrix: Solid | Lab File ID: 21203018.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.10(g) | Date Analyzed: 12/03/2012 18:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
51-28-5	2,4-Dinitrophenol	123	J	330	80	80
121-14-2	2,4-Dinitrotoluene	503		200	27	27
606-20-2	2,6-Dinitrotoluene	522		200	27	21
117-84-0	Di-n-octyl phthalate	502		50	27	27
206-44-0	Fluoranthene	549		6.6	3.3	3.3
86-73-7	Fluorene	471		6.6	3.3	3.3
118-74-1	Hexachlorobenzene	478		6.6	3.3	2.1
87-68-3	Hexachlorobutadiene	450		50	27	27
77-47-4	Hexachlorocyclopentadiene	27.7	J	330	27	27
67-72-1	Hexachloroethane	329		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	406		6.6	3.3	3.3
78-59-1	Isophorone	499		50	27	13
91-57-6	2-Methylnaphthalene	586		6.6	3.3	3.3
95-48-7	2-Methylphenol	501		200	80	80
15831-10-4	3 & 4 Methylphenol	1010		400	80	20
91-20-3	Naphthalene	525		6.6	3.3	3.3
88-74-4	2-Nitroaniline	531		200	27	9.1
99-09-2	3-Nitroaniline	207		200	80	16
100-01-6	4-Nitroaniline	196	J	200	27	26
98-95-3	Nitrobenzene	489		100	3.3	2.2
88-75-5	2-Nitrophenol	516		50	27	27
100-02-7	4-Nitrophenol	498		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	497		50	27	27
86-30-6	N-Nitrosodiphenylamine	489		50	27	21
87-86-5	Pentachlorophenol	471		150	80	80
85-01-8	Phenanthrene	537		6.6	3.3	3.3
108-95-2	Phenol	503		50	27	27
129-00-0	Pyrene	512		6.6	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	442		50	27	27
95-95-4	2,4,5-Trichlorophenol	467		150	27	25
88-06-2	2,4,6-Trichlorophenol	508		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS | Lab Sample ID: 240-17477-6 MS

Matrix: Solid | Lab File ID: 21203018.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.10(g) | Date Analyzed: 12/03/2012 18:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	66		45-105
367-12-4	2-Fluorophenol (Surr)	76		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	72		35-100
1718-51-0	Terphenyl-d14 (Surr)	69		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	77		35-125
4165-62-2	Phenol-d5 (Surr)	79		40-100

Report Date: 04-Dec-2012 09:30:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203018.D
Lims ID: 240-17477-A-6-U MS Client ID: 079SS-0004M-0002-SO
Inject. Date: 03-Dec-2012 18:24:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0015467-018
Misc. Info.: 240-17477-A-6-U MS =240-17477-A-6-U MS
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 67070 Lims Sample ID: 18
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 09:30:37 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm Date: 04-Dec-2012 08:49:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.050	0.001	85	157702	4.00	
* 2 Naphthalene-d8	136	7.157	7.156	0.001	98	646790	4.00	
* 3 Acenaphthene-d10	164	8.653	8.652	0.001	68	410342	4.00	
* 4 Phenanthrene-d10	188	9.914	9.918	-0.004	74	707021	4.00	
* 5 Chrysene-d12	240	12.537	12.541	-0.004	79	742660	4.00	
* 6 Perylene-d12	264	14.679	14.677	0.002	87	601730	4.00	
$ 7 2-Fluorophenol	112	4.855	4.832	0.023	93	709678	11.4	
$ 8 Phenol-d5	99	5.693	5.687	0.006	0	1056141	11.8	
$ 9 Nitrobenzene-d5	82	6.527	6.531	-0.004	81	708534	7.16	
$ 10 2-Fluorobiphenyl (Surr)	172	8.060	8.059	0.001	93	897420	6.59	
$ 11 2,4,6-Tribromophenol	330	9.315	9.319	-0.004	74	182582	11.5	
$ 12 Terphenyl-d14	244	11.292	11.291	0.001	82	1051494	6.91	
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					9
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
25 1,4-Dioxane	88	2.782	2.807	-0.025	89	127389	4.16	M
36 N-Nitrosodiethylamine	102		2.897					9
37 Ethyl methanesulfonate	79		3.105					
26 N-Nitrosodimethylamine	74	3.273	3.272	0.001	78	285066	7.09	
38 2-Methylcyclohexanone	68		3.292					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
39 3-Methylcyclohexanone	69		3.319					
27 Pyridine	79	3.316	3.320	-0.004	88	165956	2.02	
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.876					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					9
59 N-Nitrosomorpholine	56		4.013					
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					
29 3-Chloropropionitrile	54		4.218					
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					2
33 Malononitrile	66		4.627					
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					9
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					9
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					9
82 Quinoline	129		5.099					9
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					9
41 Benzaldehyde	77	5.667	5.665	0.002	82	565413	7.42	
103 1,4-Naphthoquinone	158		5.680					
43 Phenol	94	5.704	5.703	0.001	92	768014	7.57	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					9
44 Aniline	93	5.752	5.751	0.001	88	232444	1.83	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
69 Bis(2-chloroethyl)ether	93	5.805	5.804	0.001	95	563636	7.20	
46 2-Chlorophenol	128	5.864	5.858	0.006	89	433118	7.52	
47 1,3-Dichlorobenzene	146	6.003	6.002	0.001	80	414769	6.70	
48 1,4-Dichlorobenzene	146	6.067	6.066	0.001	77	432568	6.92	
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108	6.158	6.157	0.001	84	337542	7.11	
117 1-Naphthylamine	143		6.166					
50 1,2-Dichlorobenzene	146	6.201	6.199	0.002	73	405421	6.74	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
51 2-Methylphenol	108	6.238	6.237	0.001	93	511061	7.55	
53 2,2'-oxybis[1-chloropropane]	45	6.270	6.274	-0.004	94	586912	7.35	
122 Thionazin	97		6.305					
124 N-Nitro-o-toluidine	152		6.358					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.372	6.365	0.007	93	1099937	15.3	
127 Tributyl phosphate	99		6.379					
57 N-Nitrosodi-n-propylamine	70	6.382	6.386	-0.004	70	531341	7.48	
58 Acetophenone	105	6.393	6.392	0.001	67	750081	7.17	
130 Diphenylamine	169		6.428					9
61 Hexachloroethane	117	6.500	6.504	-0.004	88	144916	4.95	
134 Sulfotepp	202		6.518					
62 Nitrobenzene	77	6.548	6.547	0.001	79	766900	7.36	
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					
230 Diallate Peak 2	86		6.695					
64 Isophorone	82	6.746	6.744	0.002	93	1427526	7.51	
140 Dimethoate	87		6.764					
66 2-Nitrophenol	139	6.820	6.819	0.001	84	220594	7.76	
65 2,4-Dimethylphenol	107	6.831	6.830	0.001	96	505352	6.33	
67 1,3,5-Trichlorobenzene	180		6.830					
71 Benzoic acid	122		6.889					
129 4-Aminobiphenyl	169		6.892					
70 Bis(2-chloroethoxy)methane	93	6.917	6.915	0.002	93	710104	7.30	
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					9
146 Disulfoton	88		7.010					9
73 2,4-Dichlorophenol	162	7.018	7.017	0.001	86	335670	7.32	
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180	7.098	7.102	-0.004	81	377433	6.66	
75 Naphthalene	128	7.173	7.177	-0.004	80	1404063	7.90	
76 4-Chloroaniline	127	7.205	7.204	0.001	75	177080	2.52	
79 Hexachlorobutadiene	225	7.269	7.268	0.001	86	209343	6.77	
152 Methyl parathion	109		7.282					
80 1,2,3-Trichlorobenzene	180		7.295					9
84 Caprolactam	113	7.483	7.487	-0.004	78	150246	8.04	
155 Ethyl Parathion	97		7.560					9
86 4-Chloro-3-methylphenol	107	7.590	7.594	-0.004	80	502194	7.47	
156 4-Nitroquinoline-1-oxide	190		7.613					9
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					9
87 2-Methylnaphthalene	142	7.761	7.759	0.002	86	981727	8.82	
158 Isodrin	66		7.816					
88 1-Methylnaphthalene	142	7.846	7.850	-0.004	79	887397	8.24	
90 1,2,3,5-Tetrachlorobenzene	216		7.888					
89 Hexachlorocyclopentadiene	237	7.889	7.893	-0.004	44	13755	0.4170	
92 2,4,6-Trichlorophenol	196	7.985	7.989	-0.004	81	271870	7.65	
93 2,4,5-Trichlorophenol	196	8.017	8.016	0.001	88	274891	7.03	
226 Aramite Peak 1	185		8.131					9
97 2,4-Toluene diamine	121		8.133					
99 1,2,3,4 -Tetrachlorobenzene	216		8.144					9
98 1,1'-Biphenyl	154	8.151	8.149	0.002	95	1003607	6.77	
100 2-Chloronaphthalene	162	8.177	8.181	-0.004	91	809802	7.16	
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65	8.247	8.246	0.001	70	421135	8.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163	8.386	8.384	0.002	93	933732	7.00	
107 2,6-Dinitrotoluene	165	8.444	8.443	0.001	75	217608	7.85	
167 Famphur	218		8.473					9
108 1,2-Dinitrobenzene	168	8.493	8.497	-0.004	78	99467	7.30	
169 3,3'-Dimethylbenzidine	212		8.516					9
109 Acenaphthylene	152	8.535	8.534	0.001	90	1302706	7.22	
110 3-Nitroaniline	138	8.594	8.593	0.001	81	92869	3.11	
111 2,4-Dinitrophenol	184	8.680	8.678	0.002	16	6195	1.86	
112 Acenaphthene	153	8.680	8.678	0.002	92	794797	6.94	
113 4-Nitrophenol	109	8.701	8.700	0.001	82	164438	7.49	
171 2-Acetylaminofluorene	181		8.713					9
114 2,4-Dinitrotoluene	165	8.786	8.785	0.001	73	281718	7.57	
116 Dibenzofuran	168	8.824	8.822	0.002	86	1199252	7.26	
118 2,3,5,6-Tetrachlorophenol	232	8.877	8.881	-0.004	87	222348	6.85	
121 Diethyl phthalate	149	8.979	8.977	0.002	95	963235	7.30	
123 4-Chlorophenyl phenyl ether	204	9.096	9.100	-0.004	87	502169	7.08	
125 4-Nitroaniline	138	9.107	9.111	-0.004	74	92569	2.95	
126 Fluorene	166	9.118	9.116	0.002	59	991545	7.09	
128 4,6-Dinitro-2-methylphenol	198	9.134	9.132	0.002	63	77629	3.42	
131 N-Nitrosodiphenylamine	169	9.192	9.191	0.001	93	718738	7.36	
176 Hexabromobenzene	232		9.208					
133 Azobenzene	77	9.235	9.234	0.001	91	1794976	7.55	
132 1,2-Diphenylhydrazine	77	9.235	9.234	0.001	100	1794136	7.54	
139 4-Bromophenyl phenyl ether	248	9.518	9.517	0.001	65	268385	7.53	
179 6-Methylchrysene	242		9.576					9
141 Hexachlorobenzene	284	9.582	9.581	0.001	77	258578	7.19	
142 Atrazine	200	9.625	9.624	0.001	79	276119	8.88	
143 Pentachlorophenol	266	9.737	9.741	-0.004	77	178494	7.09	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178	9.935	9.939	-0.004	82	1708147	8.09	
149 Anthracene	178	9.978	9.982	-0.004	82	1486681	7.03	
151 Carbazole	167	10.101	10.105	-0.005	61	1238368	6.53	
154 Di-n-butyl phthalate	149	10.357	10.356	0.001	99	1730551	7.43	
185 3-Methylcholanthrene	268		10.594					9
159 Fluoranthene	202	10.961	10.959	0.002	77	1993054	8.27	
160 Benzidine	184		11.050					
161 Pyrene	202	11.174	11.178	-0.004	74	1978721	7.70	
166 4,4'-DDE	246		11.233					
165 4,4'-DDD	235		11.580					
187 Dibenz[a,h]acridine	279		11.729					
168 Butyl benzyl phthalate	149	11.783	11.787	-0.004	87	750532	7.32	
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.922					
172 3,3'-Dimethoxybenzidine	244		12.418					
174 4,4'-Methylene bis(2-chloroanili	231		12.466					
175 3,3'-Dichlorobenzidine	252		12.466					
173 Bis(2-ethylhexyl) phthalate	149	12.483	12.482	0.001	92	1114852	7.30	
177 Benzo[a]anthracene	228	12.526	12.525	0.001	89	1653988	7.15	
178 Chrysene	228	12.574	12.573	0.001	82	1639920	7.73	
180 Di-n-octyl phthalate	149	13.418	13.422	-0.004	98	1871717	7.56	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
182 Benzo[b]fluoranthene	252	14.075	14.079	-0.004	83	1618340	7.76	
183 Benzo[k]fluoranthene	252	14.123	14.122	0.001	84	1478058	6.89	
184 Benzo[a]pyrene	252	14.588	14.597	-0.009	76	1302570	6.62	
188 Indeno[1,2,3-cd]pyrene	276	16.399	16.403	-0.004	85	1322183	6.11	
189 Dibenz(a,h)anthracene	278	16.431	16.430	0.001	76	1069659	6.03	
190 Benzo[g,h,i]perylene	276	16.885	16.889	-0.004	83	1088377	5.99	
S 191 Methyl Phenols,Total	100				0		22.8	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 192 Octadecane (TIC)	57		0.000					
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 235 4-isopropylphenol TIC	121		4.756					
T 236 3-isopropylphenol TIC	121		4.756					
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

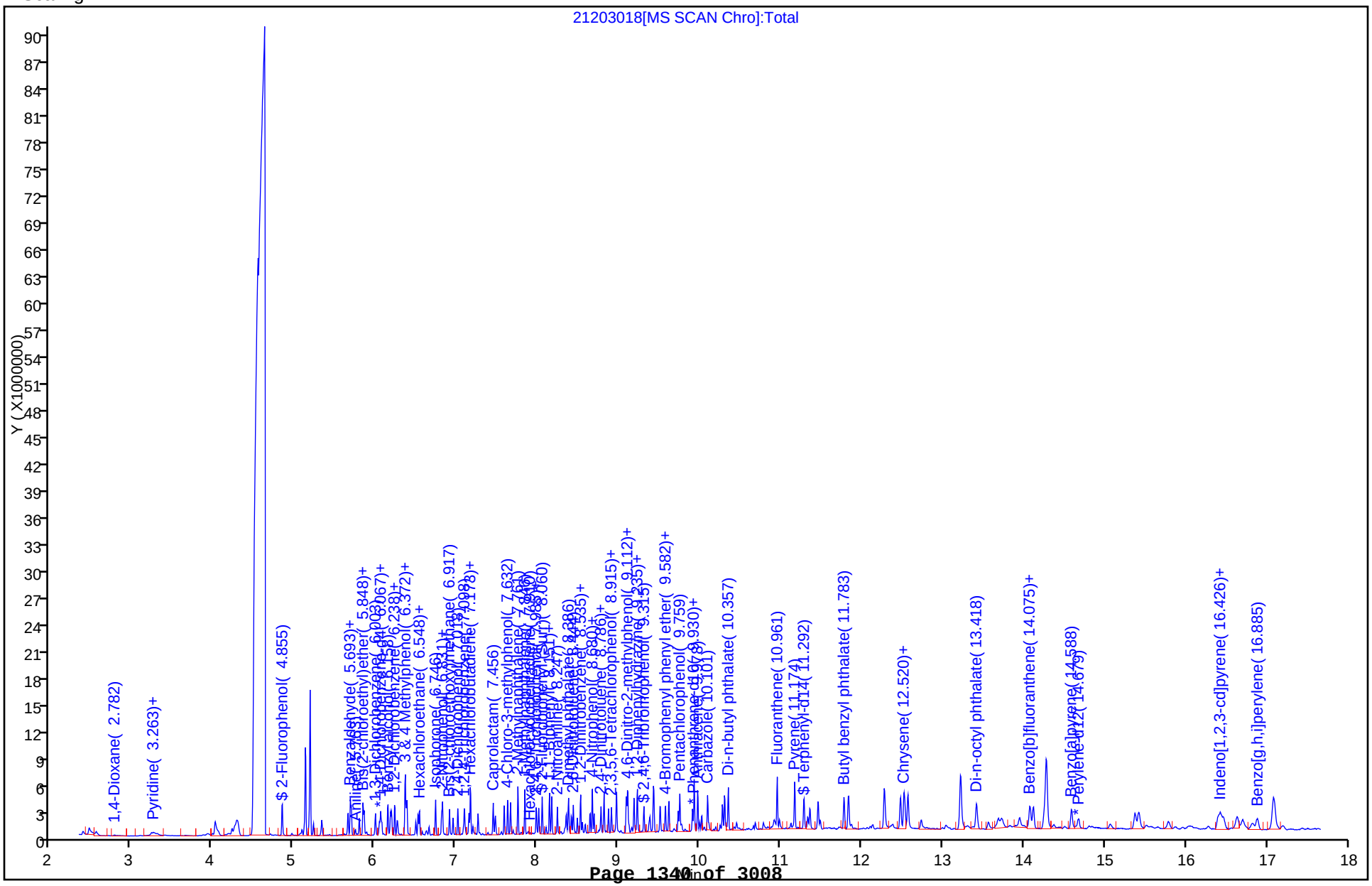
Review Flags
M - Manually Integrated

Report Date: 04-Dec-2012 09:30:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203018.D		
Injection Date:	03-Dec-2012 18:24:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS RE | Lab Sample ID: 240-17477-6 MS RE

Matrix: Solid | Lab File ID: 21207012.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 12/05/2012 10:50

Sample wt/vol: 30.46(g) | Date Analyzed: 12/07/2012 17:28

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
117-81-7	Bis(2-ethylhexyl) phthalate	477	H	49	27	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	66		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	60		35-100
1718-51-0	Terphenyl-d14 (Surr)	73		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	86		35-125
4165-62-2	Phenol-d5 (Surr)	76		40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207012.D
Lims ID: 240-17477-A-6-AP MS Client ID: 079SS-0004M-0002-SO
Inject. Date: 07-Dec-2012 17:28:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0015623-012
Misc. Info.: 240-17477-A-6-AP MS =240-17477-A-6-AP MS
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 67729 Lims Sample ID: 12
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 11:37:47 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 08-Dec-2012 11:07:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.950	5.949	0.001	83	140002	4.00	
* 2 Naphthalene-d8	136	7.067	7.066	0.001	99	569952	4.00	
* 3 Acenaphthene-d10	164	8.557	8.561	-0.004	75	361845	4.00	
* 4 Phenanthrene-d10	188	9.818	9.817	0.001	78	633042	4.00	
* 5 Chrysene-d12	240	12.382	12.381	0.001	78	646974	4.00	
* 6 Perylene-d12	264	14.471	14.470	0.001	81	548531	4.00	
$ 7 2-Fluorophenol	112	4.748	4.688	0.060	92	596750	10.8	
$ 8 Phenol-d5	99	5.598	5.591	0.007	0	904798	11.4	
$ 9 Nitrobenzene-d5	82	6.436	6.435	0.001	84	526251	6.03	
$ 10 2-Fluorobiphenyl (Surr)	172	7.970	7.974	-0.004	94	791334	6.59	
$ 11 2,4,6-Tribromophenol	330	9.225	9.224	0.001	85	181795	13.0	
$ 12 Terphenyl-d14	244	11.175	11.174	0.001	82	973764	7.35	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					
32 N-Nitrosomethylethylamine	88		2.374					
25 1,4-Dioxane	88	2.414	2.418	-0.004	67	86095	3.17	M
34 Methyl methanesulfonate	80		2.587					9
30 3-Picoline	93		2.651					9
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
26 N-Nitrosodimethylamine	74	2.916	2.899	0.017	37	214569	6.01	
27 Pyridine	79	2.953	2.947	0.006	77	152883	2.10	M
37 Ethyl methanesulfonate	79		3.105					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.631					9
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
29 3-Chloropropionitrile	54		4.021					9
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
63 N-Nitrosopiperidine	114		4.254					
33 Malononitrile	66		4.416					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					9
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					9
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.560	5.548	0.012	84	427285	6.18	
43 Phenol	94	5.614	5.602	0.012	93	702859	7.80	
44 Aniline	93	5.656	5.645	0.011	68	205535	1.83	
103 1,4-Naphthoquinone	158		5.680					
69 Bis(2-chloroethyl)ether	93	5.704	5.698	0.006	94	445677	6.41	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					9
46 2-Chlorophenol	128	5.763	5.751	0.012	86	378869	7.41	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146	5.902	5.896	0.006	81	315703	5.74	
48 1,4-Dichlorobenzene	146	5.966	5.965	0.001	77	347844	6.27	
49 Benzyl alcohol	108	6.062	6.056	0.006	84	325406	7.72	
115 Pentachlorobenzene	250		6.091					
50 1,2-Dichlorobenzene	146	6.105	6.099	0.006	81	315000	5.90	
51 2-Methylphenol	108	6.153	6.147	0.006	95	480186	7.99	
117 1-Naphthylamine	143		6.166					
53 2,2'-oxybis[1-chloropropane]	45	6.180	6.179	0.001	94	453556	6.40	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
21 3 & 4 Methylphenol	108	6.287	6.280	0.007	92	1014239	15.9	
57 N-Nitrosodi-n-propylamine	70	6.292	6.291	0.001	71	407110	6.46	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105	6.303	6.296	0.007	88	608551	6.55	
122 Thionazin	97		6.305					9
124 N-Nitro-o-toluidine	152		6.358					9
127 Tributyl phosphate	99		6.379					9
61 Hexachloroethane	117	6.404	6.403	0.001	89	124249	4.78	
130 Diphenylamine	169		6.428					
62 Nitrobenzene	77	6.452	6.451	0.001	72	574314	6.25	
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					
64 Isophorone	82	6.655	6.654	0.001	95	1162694	6.94	
230 Diallate Peak 2	86		6.695					
66 2-Nitrophenol	139	6.730	6.729	0.001	92	197221	7.88	
67 1,3,5-Trichlorobenzene	180		6.740					
65 2,4-Dimethylphenol	107	6.746	6.745	0.001	79	489373	6.96	
140 Dimethoate	87		6.764					9
71 Benzoic acid	122		6.814					
70 Bis(2-chloroethoxy)methane	93	6.832	6.831	0.002	96	575348	6.71	
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					9
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162	6.933	6.932	0.001	92	327116	8.10	
146 Disulfoton	88		7.010					
74 1,2,4-Trichlorobenzene	180	7.013	7.012	0.001	82	322360	6.45	
147 Dinoseb	211		7.020					
75 Naphthalene	128	7.083	7.087	-0.004	79	1205645	7.70	
76 4-Chloroaniline	127	7.120	7.114	0.006	70	135786	2.19	
79 Hexachlorobutadiene	225	7.179	7.183	-0.004	85	169644	6.23	
80 1,2,3-Trichlorobenzene	180		7.204					9
152 Methyl parathion	109		7.282					9
84 Caprolactam	113	7.393	7.402	-0.009	78	142657	8.66	
86 4-Chloro-3-methylphenol	107	7.510	7.509	0.001	82	462434	7.81	
155 Ethyl Parathion	97		7.560					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142	7.670	7.675	-0.005	85	890300	9.07	
88 1-Methylnaphthalene	142	7.756	7.760	-0.004	81	826605	8.71	
90 1,2,3,5-Tetrachlorobenzene	216		7.803					
89 Hexachlorocyclopentadiene	237	7.799	7.803	-0.004	51	15857	0.5451	
158 Isodrin	66		7.816					
92 2,4,6-Trichlorophenol	196	7.900	7.899	0.001	85	250735	8.00	
93 2,4,5-Trichlorophenol	196	7.932	7.931	0.001	91	269432	7.82	
97 2,4-Toluene diamine	121		8.043					
99 1,2,3,4 -Tetrachlorobenzene	216		8.054					
98 1,1'-Biphenyl	154	8.060	8.065	-0.005	95	935697	7.16	
100 2-Chloronaphthalene	162	8.087	8.091	-0.004	97	727526	7.29	
226 Aramite Peak 1	185		8.131					
102 2-Nitroaniline	65	8.162	8.161	0.001	75	340615	7.33	
229 Aramite Peak 2	185		8.185					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163	8.295	8.300	-0.005	94	893210	7.60	
107 2,6-Dinitrotoluene	165	8.360	8.358	0.002	71	201096	8.23	
108 1,2-Dinitrobenzene	168	8.408	8.406	0.002	77	99968	8.32	
109 Acenaphthylene	152	8.445	8.444	0.001	89	1206083	7.58	
167 Famphur	218		8.473					9
110 3-Nitroaniline	138	8.504	8.503	0.001	76	86149	3.28	
169 3,3'-Dimethylbenzidine	212		8.516					9
112 Acenaphthene	153	8.589	8.588	0.001	93	745598	7.39	
111 2,4-Dinitrophenol	184	8.589	8.593	-0.004	46	44996	4.09	
113 4-Nitrophenol	109	8.616	8.620	-0.004	88	144991	7.49	
114 2,4-Dinitrotoluene	165	8.696	8.700	-0.004	80	266978	8.14	
171 2-Acetylaminofluorene	181		8.713					9
116 Dibenzofuran	168	8.733	8.732	0.001	87	1177954	8.09	
118 2,3,5,6-Tetrachlorophenol	232	8.787	8.791	-0.004	85	226597	7.92	
121 Diethyl phthalate	149	8.888	8.887	0.001	95	843444	7.25	
123 4-Chlorophenyl phenyl ether	204	9.006	9.005	0.001	89	472978	7.56	
125 4-Nitroaniline	138	9.017	9.021	-0.004	77	117139	4.23	
126 Fluorene	166	9.022	9.021	0.001	77	931932	7.56	
128 4,6-Dinitro-2-methylphenol	198	9.043	9.042	0.001	76	131401	5.86	
131 N-Nitrosodiphenylamine	169	9.102	9.101	0.001	90	708841	8.11	
133 Azobenzene	77	9.139	9.144	-0.005	94	1519303	7.13	
132 1,2-Diphenylhydrazine	77	9.139	9.144	-0.005	100	1519303	7.13	
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248	9.423	9.421	0.002	65	260438	8.16	
141 Hexachlorobenzene	284	9.487	9.486	0.001	77	257978	8.01	
142 Atrazine	200	9.535	9.534	0.001	79	246971	8.87	
179 6-Methylchrysene	242		9.576					9
143 Pentachlorophenol	266	9.642	9.646	-0.004	78	154777	6.88	
148 Phenanthrene	178	9.839	9.838	0.001	82	1669344	8.83	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					9
149 Anthracene	178	9.882	9.881	0.001	83	1443437	7.62	
151 Carbazole	167	10.005	10.004	0.001	62	1232570	7.26	
154 Di-n-butyl phthalate	149	10.261	10.260	0.001	100	1532983	7.35	
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.854	10.848	0.006	78	1978632	9.17	
160 Benzidine	184		10.944					9
161 Pyrene	202	11.063	11.061	0.002	73	1932379	8.63	
166 4,4'-DDE	246		11.111					
165 4,4'-DDD	235		11.490					
168 Butyl benzyl phthalate	149	11.656	11.654	0.002	88	660131	7.39	
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.779					
186 Dibenz[a,j]acridine	279		11.804					
172 3,3'-Dimethoxybenzidine	244		12.269					
175 3,3'-Dichlorobenzidine	252	12.329	12.312	0.017	9	20452	0.5012	M
174 4,4'-Methylene bis(2-chloroanili	231		12.312					
173 Bis(2-ethylhexyl) phthalate	149	12.334	12.333	0.001	95	965934	7.27	
177 Benzo[a]anthracene	228	12.366	12.370	-0.004	83	1663110	8.25	
178 Chrysene	228	12.414	12.418	-0.004	83	1630496	8.83	
180 Di-n-octyl phthalate	149	13.242	13.246	-0.004	99	1590156	7.10	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
182 Benzo[b]fluoranthene	252	13.883	13.887	-0.004	81	1664912	8.76	
183 Benzo[k]fluoranthene	252	13.926	13.930	-0.004	90	1544226	7.90	
184 Benzo[a]pyrene	252	14.385	14.390	-0.005	77	1369958	7.63	
188 Indeno[1,2,3-cd]pyrene	276	16.138	16.142	-0.004	68	1388851	7.04	
189 Dibenz(a,h)anthracene	278	16.170	16.169	0.001	59	1125495	6.96	
190 Benzo[g,h,i]perylene	276	16.602	16.601	0.001	77	1112071	6.72	
S 191 Methyl Phenols,Total	100				0		23.8	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					
T 195 Hydroquinone TIC	110		0.000					1
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 236 3-isopropylphenol TIC	121		4.756					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

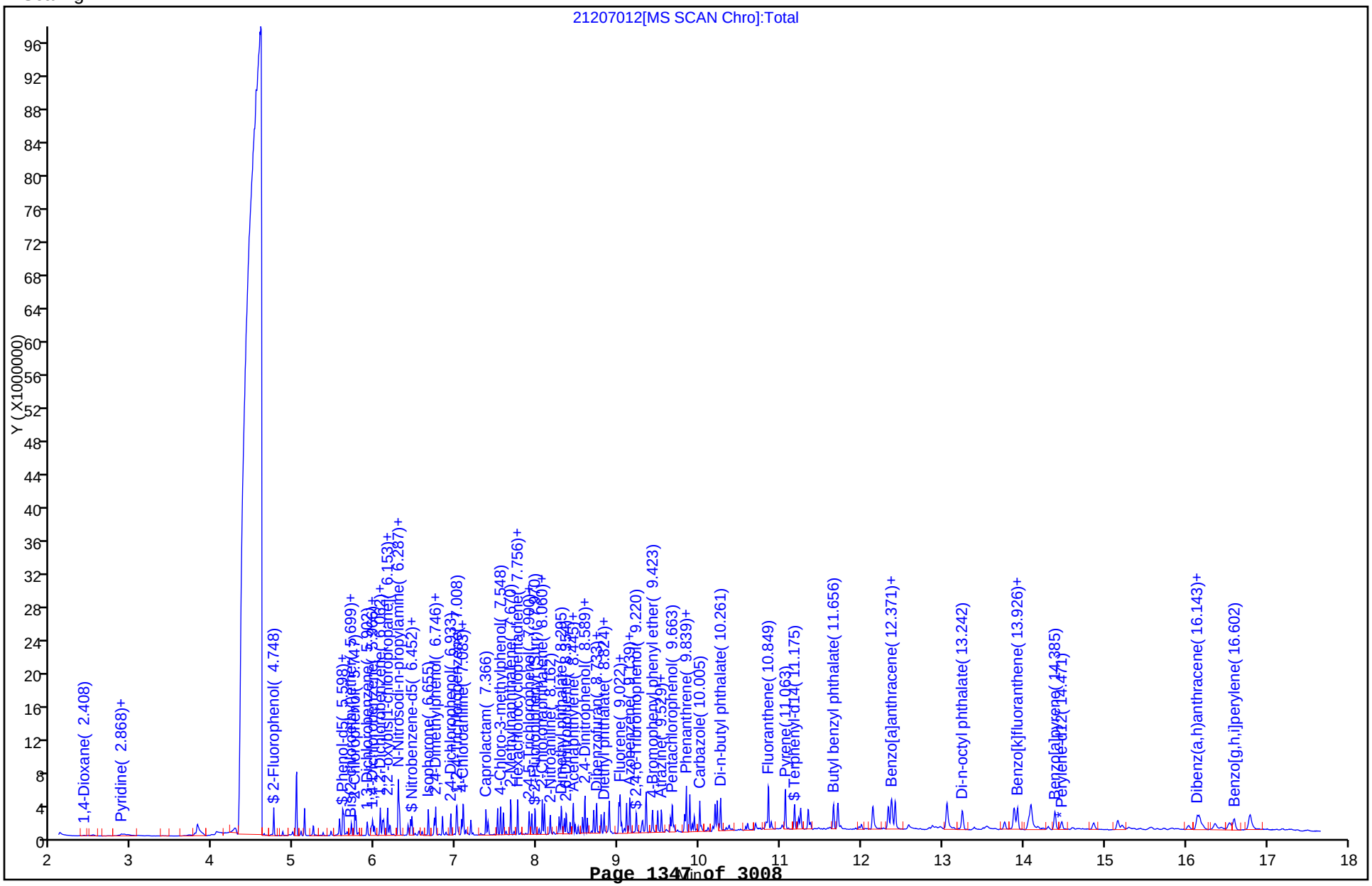
Review Flags
M - Manually Integrated

Report Date: 08-Dec-2012 11:37:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207012.D		
Injection Date:	07-Dec-2012 17:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	12
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW MSD | Lab Sample ID: 240-17477-4 MSD

Matrix: Water | Lab File ID: 21116018.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 14:46

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	13.8		0.19	0.095	0.095
208-96-8	Acenaphthylene	13.3		0.19	0.095	0.095
120-12-7	Anthracene	11.9		0.19	0.095	0.095
56-55-3	Benzo[a]anthracene	10.7		0.19	0.095	0.095
50-32-8	Benzo[a]pyrene	7.53	J	0.19	0.095	0.095
205-99-2	Benzo[b]fluoranthene	9.41		0.19	0.095	0.095
191-24-2	Benzo[g,h,i]perylene	8.81	J	0.19	0.095	0.095
65-85-0	Benzoic acid	13.6	J	24	9.5	9.5
207-08-9	Benzo[k]fluoranthene	9.89		0.19	0.095	0.095
100-51-6	Benzyl alcohol	15.5		4.8	0.76	0.36
111-91-1	Bis(2-chloroethoxy)methane	14.3		0.95	0.76	0.30
111-44-4	Bis(2-chloroethyl)ether	15.4	J	0.95	0.095	0.095
108-60-1	bis (2-chloroisopropyl) ether	15.0	J	0.95	0.76	0.38
117-81-7	Bis(2-ethylhexyl) phthalate	7.72	J	1.9	0.76	0.76
101-55-3	4-Bromophenyl phenyl ether	13.9		1.9	0.76	0.76
85-68-7	Butyl benzyl phthalate	11.9		0.95	0.76	0.76
86-74-8	Carbazole	13.5		0.95	0.76	0.27
106-47-8	4-Chloroaniline	9.38		1.9	0.76	0.76
59-50-7	4-Chloro-3-methylphenol	14.2		1.9	0.76	0.76
91-58-7	2-Chloronaphthalene	13.8		0.95	0.095	0.095
95-57-8	2-Chlorophenol	15.2		0.95	0.76	0.28
7005-72-3	4-Chlorophenyl phenyl ether	13.6		1.9	0.76	0.29
218-01-9	Chrysene	12.2		0.19	0.095	0.095
53-70-3	Dibenz(a,h)anthracene	8.74	J	0.19	0.095	0.095
132-64-9	Dibenzofuran	13.6		0.95	0.095	0.095
106-46-7	1,4-Dichlorobenzene	14.6	J	0.95	0.76	0.32
95-50-1	1,2-Dichlorobenzene	14.5	J	0.95	0.76	0.28
541-73-1	1,3-Dichlorobenzene	14.0	J	0.95	0.76	0.76
91-94-1	3,3'-Dichlorobenzidine	0.449	J	4.8	0.76	0.35
120-83-2	2,4-Dichlorophenol	14.4		1.9	0.76	0.76
84-66-2	Diethyl phthalate	13.7		0.95	0.76	0.57
105-67-9	2,4-Dimethylphenol	12.4		1.9	0.76	0.76
131-11-3	Dimethyl phthalate	14.1		0.95	0.76	0.28
84-74-2	Di-n-butyl phthalate	13.3		0.95	0.76	0.64

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW MSD | Lab Sample ID: 240-17477-4 MSD

Matrix: Water | Lab File ID: 21116018.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 14:46

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	13.4		4.8	2.3	2.3
51-28-5	2,4-Dinitrophenol	11.5		4.8	2.3	2.3
121-14-2	2,4-Dinitrotoluene	14.3		4.8	0.76	0.26
606-20-2	2,6-Dinitrotoluene	14.5		4.8	0.76	0.76
117-84-0	Di-n-octyl phthalate	6.92	J	0.95	0.76	0.76
206-44-0	Fluoranthene	13.7		0.19	0.095	0.095
86-73-7	Fluorene	13.7		0.19	0.095	0.095
118-74-1	Hexachlorobenzene	13.0		0.19	0.095	0.095
87-68-3	Hexachlorobutadiene	13.0	J	0.95	0.76	0.26
77-47-4	Hexachlorocyclopentadiene	5.15	J	9.5	0.76	0.76
67-72-1	Hexachloroethane	13.8	J	0.95	0.76	0.76
193-39-5	Indeno[1,2,3-cd]pyrene	8.61	J	0.19	0.095	0.095
78-59-1	Isophorone	14.7		0.95	0.76	0.26
91-57-6	2-Methylnaphthalene	14.5		0.19	0.095	0.095
95-48-7	2-Methylphenol	15.1		0.95	0.76	0.76
15831-10-4	3 & 4 Methylphenol	31.4		1.9	0.76	0.76
91-20-3	Naphthalene	14.5		0.19	0.095	0.095
88-74-4	2-Nitroaniline	13.5		1.9	0.76	0.76
99-09-2	3-Nitroaniline	10.4		1.9	0.76	0.27
100-01-6	4-Nitroaniline	11.6		1.9	0.76	0.76
98-95-3	Nitrobenzene	14.1		0.95	0.095	0.038
88-75-5	2-Nitrophenol	14.7		1.9	0.76	0.27
100-02-7	4-Nitrophenol	12.5		4.8	2.3	2.3
621-64-7	N-Nitrosodi-n-propylamine	15.1		0.95	0.76	0.76
86-30-6	N-Nitrosodiphenylamine	11.5		0.95	0.76	0.30
87-86-5	Pentachlorophenol	11.7		4.8	2.3	2.3
85-01-8	Phenanthrene	13.6		0.19	0.095	0.095
108-95-2	Phenol	15.3		0.95	0.76	0.57
129-00-0	Pyrene	12.7		0.19	0.095	0.095
120-82-1	1,2,4-Trichlorobenzene	13.2	J	0.95	0.76	0.27
95-95-4	2,4,5-Trichlorophenol	14.4		4.8	0.76	0.29
88-06-2	2,4,6-Trichlorophenol	14.1		4.8	0.76	0.76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW MSD | Lab Sample ID: 240-17477-4 MSD

Matrix: Water | Lab File ID: 21116018.D

Analysis Method: 8270C/DoD | Date Collected: 11/08/2012 13:25

Extract. Method: 3520C | Date Extracted: 11/14/2012 08:33

Sample wt/vol: 1050(mL) | Date Analyzed: 11/16/2012 14:46

Con. Extract Vol.: 2.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65294 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	70		50-110
367-12-4	2-Fluorophenol (Surr)	78		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	70		40-110
1718-51-0	Terphenyl-d14 (Surr)	60		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	73		40-125
4165-62-2	Phenol-d5 (Surr)	80		10-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116018.D
Lims ID: 240-17477-D-4-A MSD Client ID: 068SW-0016-0002-SW
Inject. Date: 16-Nov-2012 14:46:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015012-018
Misc. Info.: 240-17477-D-4-A MSD =240-17477-D-4-A MSD
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 65294 Lims Sample ID: 18
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121116-15012.b\8270 _9.m
Last Update: 17-Nov-2012 12:48:08 Calib Date: 15-Nov-2012 10:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121115-14967.b\21115010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 16-Nov-2012 15:21:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	3.674	3.677	-0.003	89	130402	4.00	
* 2 Naphthalene-d8	136	4.635	4.639	-0.004	99	540386	4.00	
* 3 Acenaphthene-d10	164	5.928	5.931	-0.003	74	372563	4.00	
* 4 Phenanthrene-d10	188	7.006	7.010	-0.004	97	671011	4.00	
* 5 Chrysene-d12	240	8.945	8.949	-0.004	77	719668	4.00	
* 6 Perylene-d12	264	10.211	10.215	-0.004	93	569493	4.00	
$ 7 2-Fluorophenol	112	2.675	2.673	0.002	94	568983	11.7	
$ 8 Phenol-d5	99	3.374	3.373	0.001	0	835084	12.0	
$ 9 Nitrobenzene-d5	82	4.090	4.094	-0.004	82	574072	7.01	
$ 10 2-Fluorobiphenyl (Surr)	172	5.420	5.424	-0.004	99	861898	6.95	
$ 11 2,4,6-Tribromophenol	330	6.499	6.503	-0.004	89	141691	11.0	
$ 12 Terphenyl-d14	244	8.133	8.142	-0.009	98	830773	6.00	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
20 Dimethylformamide	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
25 1,4-Dioxane	88	1.580	1.578	0.002	81	142470	5.11	
26 N-Nitrosodimethylamine	74	1.761	1.765	-0.004	79	310898	6.82	
27 Pyridine	79	1.799	1.792	0.007	91	28647	0.4127	
28 Ethyl methacrylate	69		2.032					
29 3-Chloropropionitrile	54		2.224					
31 2-Picoline	93	2.280	2.338	-0.058	82	18199	0.2678	
32 N-Nitrosomethylethylamine	88		2.396					
33 Malononitrile	66		2.411					
34 Methyl methanesulfonate	80		2.610					9
233 n,n'-Dimethylacetamide	44		2.674					
30 3-Picoline	93		2.674					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.914					
37 Ethyl methanesulfonate	79	3.065	3.123	-0.058	93	357945	7.20	
38 2-Methylcyclohexanone	68		3.315					
39 3-Methylcyclohexanone	69		3.342					
41 Benzaldehyde	77	3.342	3.346	-0.004	85	429794	7.80	
40 4-Methylcyclohexanone	55		3.379					
43 Phenol	94	3.385	3.383	0.002	93	608168	8.05	
44 Aniline	93	3.423	3.426	-0.003	95	286813	3.01	
69 Bis(2-chloroethyl)ether	93	3.455	3.458	-0.003	93	491930	8.09	
46 2-Chlorophenol	128	3.519	3.522	-0.003	87	353477	7.99	
45 Pentachloroethane	167		3.529					9
42 Phenylmercaptan	110		3.596					9
47 1,3-Dichlorobenzene	146	3.636	3.640	-0.004	90	373793	7.34	
48 1,4-Dichlorobenzene	146	3.690	3.693	-0.003	85	382012	7.65	
49 Benzyl alcohol	108	3.764	3.768	-0.004	86	288289	8.13	
50 1,2-Dichlorobenzene	146	3.807	3.811	-0.004	80	367732	7.61	
51 2-Methylphenol	108	3.845	3.848	-0.004	94	389421	7.93	
53 2,2'-oxybis[1-chloropropane]	45	3.866	3.864	0.002	99	419306	7.88	
232 1-Methyl-2-pyrrilidinone	99		3.880					
21 3 & 4 Methylphenol	108	3.962	3.960	0.002	95	862342	16.5	
57 N-Nitrosodi-n-propylamine	70	3.967	3.971	-0.004	71	419374	7.91	
58 Acetophenone	105	3.973	3.976	-0.003	88	628773	8.06	
56 N-Nitrosopyrrolidine	100		4.009					9
59 N-Nitrosomorpholine	56		4.036					9
60 2-Toluidine	106		4.063					9
61 Hexachloroethane	117	4.063	4.067	-0.004	92	149624	7.24	
52 Indene	115		4.084					
62 Nitrobenzene	77	4.106	4.110	-0.004	75	600508	7.41	
63 N-Nitrosopiperidine	114		4.276					
64 Isophorone	82	4.277	4.286	-0.009	94	1099630	7.70	
66 2-Nitrophenol	139	4.347	4.350	-0.003	95	207540	7.71	
65 2,4-Dimethylphenol	107	4.357	4.361	-0.004	89	427597	6.50	
67 1,3,5-Trichlorobenzene	180		4.361					
70 Bis(2-chloroethoxy)methane	93	4.427	4.430	-0.003	97	565268	7.50	
68 o,o',o''-Triethylphosphorothioat	198		4.463					
71 Benzoic acid	122	4.432	4.468	-0.036	78	201005	7.14	
17 4-Chlorophenol	128		4.500					
73 2,4-Dichlorophenol	162	4.523	4.526	-0.003	93	309869	7.57	
24 Catechol	110		4.592					9
74 1,2,4-Trichlorobenzene	180	4.587	4.596	-0.009	85	342085	6.95	
75 Naphthalene	128	4.651	4.655	-0.004	97	1068613	7.62	
76 4-Chloroaniline	127	4.678	4.681	-0.003	86	297360	4.93	
79 Hexachlorobutadiene	225	4.736	4.740	-0.004	92	200360	6.85	
77 2,6-Dichlorophenol	162		4.752					9
80 1,2,3-Trichlorobenzene	180		4.761					9
78 Hexachloropropene	213		4.784					
72 alpha,alpha-Dimethyl phenethylam	58		4.848					9
15 3-Methylcatechol	124		4.913					9
84 Caprolactam	113	4.934	4.948	-0.014	78	139170	7.36	
83 N-Nitrosodi-n-butylamine	84		4.976					9
85 p-Phenylene diamine	108		5.003					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
86 4-Chloro-3-methylphenol	107	5.030	5.034	-0.004	82	425164	7.44	
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					9
82 Quinoline	129		5.099					
94 Safrole, Total	162	5.078	5.142	-0.064	78	307149	7.90	
87 2-Methylnaphthalene	142	5.158	5.162	-0.004	84	700957	7.59	
88 1-Methylnaphthalene	142	5.233	5.237	-0.004	80	668221	7.63	
89 Hexachlorocyclopentadiene	237	5.276	5.280	-0.004	91	100474	2.70	
90 1,2,3,5-Tetrachlorobenzene	216		5.280					
91 1,2,4,5-Tetrachlorobenzene	216		5.350					
225 Isosafrole Peak 1	162		5.355					9
92 2,4,6-Trichlorophenol	196	5.361	5.365	-0.004	87	266663	7.39	
93 2,4,5-Trichlorophenol	196	5.393	5.397	-0.004	94	292648	7.58	
97 2,4-Toluene diamine	121		5.482					9
98 1,1'-Biphenyl	154	5.495	5.499	-0.003	95	881981	7.03	
99 1,2,3,4 -Tetrachlorobenzene	216		5.499					
100 2-Chloronaphthalene	162	5.522	5.525	-0.003	97	730671	7.25	
227 Isosafrole Peak 2	162		5.526					
102 2-Nitroaniline	65	5.586	5.589	-0.003	74	305789	7.11	
105 Dimethyl phthalate	163	5.703	5.701	0.002	95	875214	7.39	
103 1,4-Naphthoquinone	158		5.702					
96 3,4-Dichloronitrobenzene	109		5.725					
104 1,4-Dinitrobenzene	168	5.671	5.729	-0.058	84	136069	7.97	
107 2,6-Dinitrotoluene	165	5.751	5.755	-0.004	68	207419	7.62	
101 Phenyl ether	170		5.773					9
106 1,3-Dinitrobenzene	168	5.735	5.788	-0.053	82	159383	8.40	
108 1,2-Dinitrobenzene	168	5.799	5.803	-0.004	81	103557	7.55	
109 Acenaphthylene	152	5.826	5.830	-0.004	85	1117133	6.99	
110 3-Nitroaniline	138	5.879	5.883	-0.004	85	152768	5.45	
112 Acenaphthene	153	5.949	5.953	-0.003	88	717072	7.27	
111 2,4-Dinitrophenol	184	5.954	5.963	-0.009	69	121145	6.04	
113 4-Nitrophenol	109	5.992	5.995	-0.003	87	134235	6.58	
114 2,4-Dinitrotoluene	165	6.045	6.054	-0.009	80	276606	7.51	
116 Dibenzofuran	168	6.072	6.081	-0.009	84	1031435	7.14	
115 Pentachlorobenzene	250		6.114					
118 2,3,5,6-Tetrachlorophenol	232	6.130	6.134	-0.004	87	222961	7.13	
117 1-Naphthylamine	143		6.188					9
121 Diethyl phthalate	149	6.205	6.209	-0.004	96	837861	7.18	
119 2,3,4,6-Tetrachlorophenol	232	6.163	6.226	-0.063	68	228626	7.99	
120 2-Naphthylamine	143		6.247					9
123 4-Chlorophenyl phenyl ether	204	6.307	6.310	-0.003	84	456285	7.15	
126 Fluorene	166	6.323	6.326	-0.003	80	876179	7.18	
122 Thionazin	97		6.327					
125 4-Nitroaniline	138	6.323	6.332	-0.009	77	183897	6.11	
128 4,6-Dinitro-2-methylphenol	198	6.349	6.353	-0.004	77	178654	7.04	
124 N-Nitro-o-toluidine	152		6.381					
131 N-Nitrosodiphenylamine	169	6.387	6.396	-0.009	98	562706	6.06	
127 Tributyl phosphate	99		6.402					
133 Azobenzene	77	6.419	6.428	-0.009	96	1207387	7.06	
132 1,2-Diphenylhydrazine	77	6.419	6.428	-0.009	98	1207186	7.06	
130 Diphenylamine	169	6.387	6.450	-0.063	94	562706	5.37	
134 Sulfotepp	202		6.541					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
135 1,3,5-Trinitrobenzene	213		6.621					9
228 Diallate Peak 1	86		6.653					
137 Phenacetin	108	6.595	6.658	-0.063	86	483438	7.26	
139 4-Bromophenyl phenyl ether	248	6.659	6.663	-0.004	66	247602	7.29	
138 Phorate	121	6.595	6.664	-0.069	87	159688	6.48	
230 Diallate Peak 2	86		6.723					
141 Hexachlorobenzene	284	6.729	6.738	-0.009	83	222070	6.84	
142 Atrazine	200	6.755	6.764	-0.009	86	261513	8.15	
140 Dimethoate	87		6.787					9
143 Pentachlorophenol	266	6.868	6.871	-0.003	86	143689	6.16	
129 4-Aminobiphenyl	169		6.915					9
144 Pronamide	173	6.878	6.942	-0.064	82	393846	7.34	
145 Pentachloronitrobenzene	237		6.942					9
148 Phenanthrene	178	7.022	7.026	-0.004	97	1283199	7.15	
146 Disulfoton	88		7.038					9
147 Dinoseb	211		7.043					9
149 Anthracene	178	7.060	7.063	-0.003	87	1158833	6.26	
151 Carbazole	167	7.167	7.170	-0.003	82	1157542	7.11	
152 Methyl parathion	109		7.310					
154 Di-n-butyl phthalate	149	7.375	7.379	-0.004	100	1418012	6.99	
155 Ethyl Parathion	97		7.582					9
153 Diphenylsulfone	125		7.616					
156 4-Nitroquinoline-1-oxide	190		7.636					
157 Methapyrilene	58		7.673					
158 Isodrin	66		7.844					
159 Fluoranthene	202	7.882	7.891	-0.009	98	1506078	7.17	
160 Benzidine	184		7.961					
161 Pyrene	202	8.053	8.062	-0.009	95	1522730	6.66	
166 4,4'-DDE	246		8.097					9
226 Aramite Peak 1	185		8.159					
229 Aramite Peak 2	185		8.213					
163 p-Dimethylamino azobenzene	225		8.304					9
164 Chlorobenzilate	139	8.256	8.325	-0.069	92	405459	6.86	
165 4,4'-DDD	235		8.375					
168 Butyl benzyl phthalate	149	8.470	8.473	-0.003	94	611631	6.23	
167 Famphur	218		8.506					
169 3,3'-Dimethylbenzidine	212		8.549					9
170 4,4'-DDT	235		8.578					9
171 2-Acetylaminofluorene	181		8.741					9
172 3,3'-Dimethoxybenzidine	244		8.863					
173 Bis(2-ethylhexyl) phthalate	149	8.881	8.879	0.002	92	559058	4.05	
174 4,4'-Methylene bis(2-chloroanili	231		8.895					9
175 3,3'-Dichlorobenzidine	252	8.892	8.901	-0.009	10	18611	0.2359	
177 Benzo[a]anthracene	228	8.940	8.944	-0.004	88	1269111	5.62	
178 Chrysene	228	8.967	8.970	-0.003	91	1288650	6.40	
176 Hexabromobenzene	232		9.208					
180 Di-n-octyl phthalate	149	9.367	9.365	0.002	98	837010	3.63	
179 6-Methylchrysene	242		9.576					9
182 Benzo[b]fluoranthene	252	9.821	9.830	-0.009	85	1041594	4.94	
183 Benzo[k]fluoranthene	252	9.848	9.857	-0.009	86	1005288	5.19	
181 7,12-Dimethylbenz(a)anthracene	256		9.895					
184 Benzo[a]pyrene	252	10.152	10.161	-0.009	76	724191	3.95	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
185 3-Methylcholanthrene	268		10.638					
188 Indeno[1,2,3-cd]pyrene	276	11.552	11.577	-0.025	89	855650	4.52	
189 Dibenz(a,h)anthracene	278	11.557	11.577	-0.020	65	726009	4.59	
187 Dibenz[a,h]acridine	279		11.729					9
186 Dibenz[a,j]acridine	279		11.804					9
190 Benzo[g,h,i]perylene	276	11.963	11.983	-0.020	90	736072	4.62	
S 191 Methyl Phenols,Total	100				0		24.4	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					
T 192 Octadecane (TIC)	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 235 4-isopropylphenol TIC	121		4.756					
T 236 3-isopropylphenol TIC	121		4.756					
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

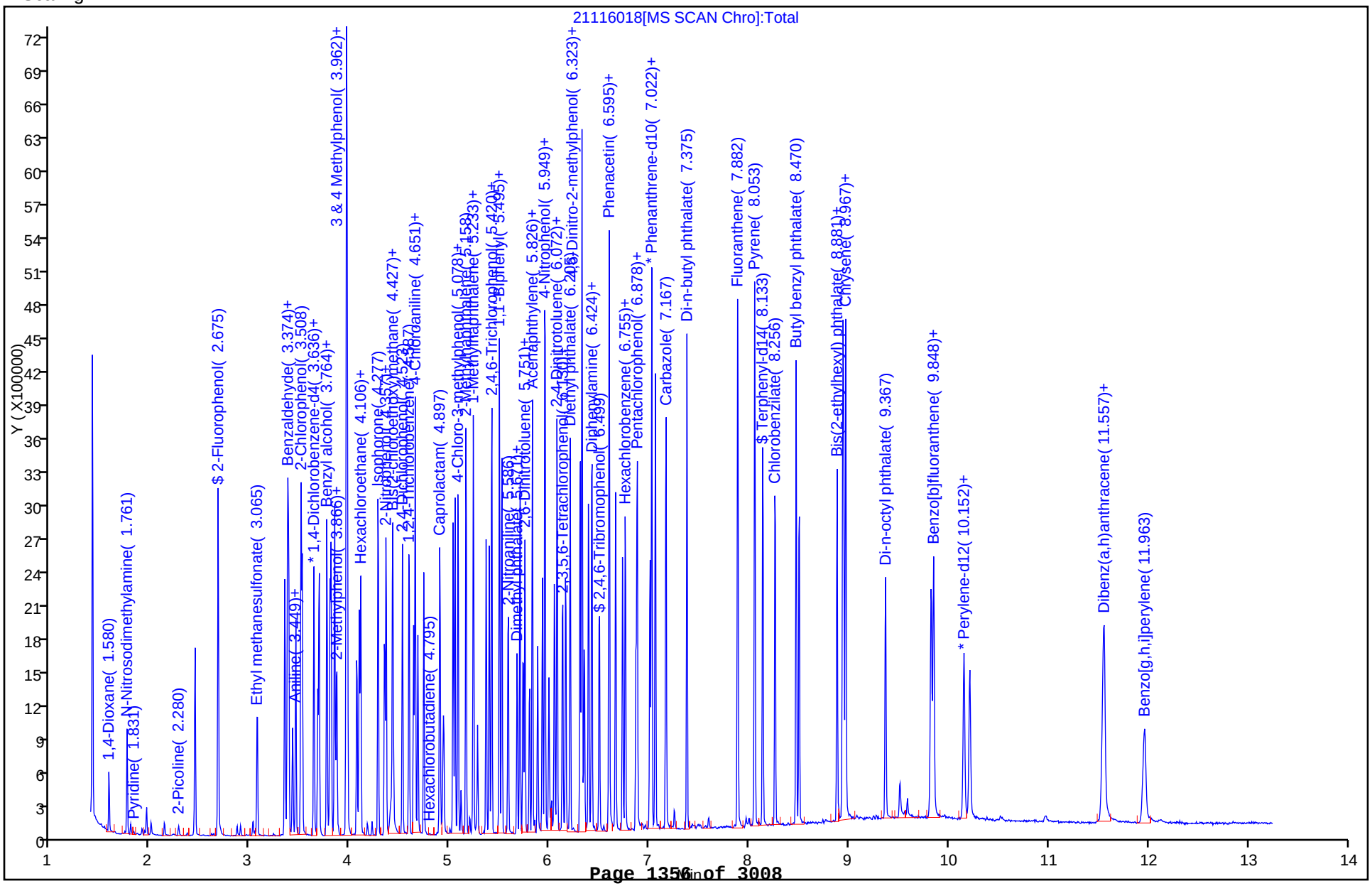
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 17-Nov-2012 12:48:16 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121116-15012.b\21116018.D		
Injection Date:	16-Nov-2012 14:46:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	068SW-0016-0002-SW	Instrument ID:	A4HP9
Lims Batch ID:	65294	Lims Sample ID:	18
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD | Lab Sample ID: 240-17477-6 MSD

Matrix: Solid | Lab File ID: 21203019.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.25(g) | Date Analyzed: 12/03/2012 18:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	499		6.6	3.3	3.3
208-96-8	Acenaphthylene	484		6.6	3.3	3.3
120-12-7	Anthracene	459		6.6	3.3	3.3
56-55-3	Benzo[a]anthracene	494		6.6	3.3	3.3
50-32-8	Benzo[a]pyrene	429		6.6	3.3	3.3
205-99-2	Benzo[b]fluoranthene	495		6.6	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	360		6.6	3.3	3.3
65-85-0	Benzoic acid	330	U	650	330	330
207-08-9	Benzo[k]fluoranthene	464		6.6	3.3	3.3
100-51-6	Benzyl alcohol	513		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	486		99	27	22
111-44-4	Bis(2-chloroethyl)ether	514		99	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	492		99	27	9.4
101-55-3	4-Bromophenyl phenyl ether	455		50	27	13
85-68-7	Butyl benzyl phthalate	494		50	27	9.9
86-74-8	Carbazole	428		50	27	27
106-47-8	4-Chloroaniline	165		150	27	17
59-50-7	4-Chloro-3-methylphenol	499		150	27	21
91-58-7	2-Chloronaphthalene	490		50	3.3	3.3
95-57-8	2-Chlorophenol	492		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	479		50	27	13
218-01-9	Chrysene	526		6.6	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	369		6.6	3.3	3.3
132-64-9	Dibenzofuran	506		50	3.3	3.3
106-46-7	1,4-Dichlorobenzene	465		50	27	20
95-50-1	1,2-Dichlorobenzene	458		50	27	9.6
541-73-1	1,3-Dichlorobenzene	428		50	27	11
91-94-1	3,3'-Dichlorobenzidine	79	U J	99	79	18
120-83-2	2,4-Dichlorophenol	491		150	27	20
84-66-2	Diethyl phthalate	501		50	27	16
105-67-9	2,4-Dimethylphenol	433		150	79	20
131-11-3	Dimethyl phthalate	497		50	27	17
84-74-2	Di-n-butyl phthalate	470		50	27	15
534-52-1	4,6-Dinitro-2-methylphenol	258		150	79	79

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD | Lab Sample ID: 240-17477-6 MSD

Matrix: Solid | Lab File ID: 21203019.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.25(g) | Date Analyzed: 12/03/2012 18:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
51-28-5	2,4-Dinitrophenol	198	J	330	79	79
121-14-2	2,4-Dinitrotoluene	498		200	27	27
606-20-2	2,6-Dinitrotoluene	524		200	27	21
117-84-0	Di-n-octyl phthalate	495		50	27	27
206-44-0	Fluoranthene	535		6.6	3.3	3.3
86-73-7	Fluorene	478		6.6	3.3	3.3
118-74-1	Hexachlorobenzene	443		6.6	3.3	2.1
87-68-3	Hexachlorobutadiene	441		50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	322		50	27	8.9
193-39-5	Indeno[1,2,3-cd]pyrene	385		6.6	3.3	3.3
78-59-1	Isophorone	505		50	27	13
91-57-6	2-Methylnaphthalene	574		6.6	3.3	3.3
95-48-7	2-Methylphenol	508		200	79	79
15831-10-4	3 & 4 Methylphenol	1020		400	79	20
91-20-3	Naphthalene	535		6.6	3.3	3.3
88-74-4	2-Nitroaniline	510		200	27	9.0
99-09-2	3-Nitroaniline	205		200	79	16
100-01-6	4-Nitroaniline	213	J	200	27	26
98-95-3	Nitrobenzene	479		99	3.3	2.2
88-75-5	2-Nitrophenol	503		50	27	27
100-02-7	4-Nitrophenol	536		330	79	79
621-64-7	N-Nitrosodi-n-propylamine	506		50	27	27
86-30-6	N-Nitrosodiphenylamine	471		50	27	21
87-86-5	Pentachlorophenol	440		150	79	79
85-01-8	Phenanthrene	530		6.6	3.3	3.3
108-95-2	Phenol	520		50	27	27
129-00-0	Pyrene	521		6.6	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	452		50	27	27
95-95-4	2,4,5-Trichlorophenol	497		150	27	25
88-06-2	2,4,6-Trichlorophenol	514		150	79	79

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD | Lab Sample ID: 240-17477-6 MSD

Matrix: Solid | Lab File ID: 21203019.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 11/21/2012 11:36

Sample wt/vol: 30.25(g) | Date Analyzed: 12/03/2012 18:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67070 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		45-105
367-12-4	2-Fluorophenol (Surr)	75		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	71		35-100
1718-51-0	Terphenyl-d14 (Surr)	71		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	78		35-125
4165-62-2	Phenol-d5 (Surr)	77		40-100

Report Date: 04-Dec-2012 09:30:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203019.D
Lims ID: 240-17477-A-6-V MSD Client ID: 079SS-0004M-0002-SO
Inject. Date: 03-Dec-2012 18:50:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015467-019
Misc. Info.: 240-17477-A-6-V MSD =240-17477-A-6-V MSD
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 67070 Lims Sample ID: 19
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 09:30:37 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm Date: 04-Dec-2012 08:50:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.054	6.050	0.004	80	148491	4.00	
* 2 Naphthalene-d8	136	7.159	7.156	0.003	98	609842	4.00	
* 3 Acenaphthene-d10	164	8.650	8.652	-0.002	77	376868	4.00	
* 4 Phenanthrene-d10	188	9.916	9.918	-0.002	78	695210	4.00	
* 5 Chrysene-d12	240	12.539	12.541	-0.002	79	686181	4.00	
* 6 Perylene-d12	264	14.676	14.677	-0.001	85	583787	4.00	
$ 7 2-Fluorophenol	112	4.862	4.832	0.030	93	659205	11.3	
$ 8 Phenol-d5	99	5.696	5.687	0.009	0	973262	11.5	
$ 9 Nitrobenzene-d5	82	6.529	6.531	-0.002	84	661302	7.09	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.059	0.003	94	837163	6.69	
$ 11 2,4,6-Tribromophenol	330	9.318	9.319	-0.001	81	170250	11.7	
$ 12 Terphenyl-d14	244	11.289	11.291	-0.002	80	1002213	7.13	
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					9
34 Methyl methanesulfonate	80		2.587					9
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
25 1,4-Dioxane	88	2.811	2.807	0.004	75	115382	4.00	M
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					
26 N-Nitrosodimethylamine	74	3.270	3.272	-0.002	76	274174	7.24	
38 2-Methylcyclohexanone	68		3.292					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
39 3-Methylcyclohexanone	69		3.319					
27 Pyridine	79	3.308	3.320	-0.012	81	237248	3.07	
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.876					
232 1-Methyl-2-pyrrilidinone	99		3.880					14
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					9
29 3-Chloropropionitrile	54		4.218					
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					2
33 Malononitrile	66		4.627					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					9
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					9
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					9
82 Quinoline	129		5.099					9
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					9
227 Isosafrole Peak 2	162		5.498					9
41 Benzaldehyde	77	5.669	5.665	0.004	82	544150	7.61	
103 1,4-Naphthoquinone	158		5.680					
43 Phenol	94	5.706	5.703	0.003	94	751327	7.86	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
44 Aniline	93	5.760	5.751	0.009	79	221108	1.85	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
69 Bis(2-chloroethyl)ether	93	5.808	5.804	0.004	96	573673	7.78	
46 2-Chlorophenol	128	5.867	5.858	0.009	84	403261	7.44	
47 1,3-Dichlorobenzene	146	6.006	6.002	0.004	79	377620	6.48	
48 1,4-Dichlorobenzene	146	6.070	6.066	0.004	75	414462	7.04	
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108	6.155	6.157	-0.002	83	347116	7.77	
117 1-Naphthylamine	143		6.166					9
50 1,2-Dichlorobenzene	146	6.203	6.199	0.004	78	392484	6.93	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
51 2-Methylphenol	108	6.241	6.237	0.004	94	489780	7.68	
53 2,2'-oxybis[1-chloropropane]	45	6.273	6.274	-0.001	95	559625	7.45	
122 Thionazin	97		6.305					
124 N-Nitro-o-toluidine	152		6.358					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.369	6.365	0.004	94	1048697	15.5	
127 Tributyl phosphate	99		6.379					
57 N-Nitrosodi-n-propylamine	70	6.385	6.386	-0.001	70	512063	7.66	
58 Acetophenone	105	6.396	6.392	0.004	66	715423	7.26	
130 Diphenylamine	169		6.428					9
61 Hexachloroethane	117	6.502	6.504	-0.002	89	134177	4.87	
134 Sulfotepp	202		6.518					
62 Nitrobenzene	77	6.545	6.547	-0.002	78	711449	7.24	
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					
230 Diallate Peak 2	86		6.695					
64 Isophorone	82	6.748	6.744	0.004	94	1369330	7.64	
140 Dimethoate	87		6.764					
66 2-Nitrophenol	139	6.823	6.819	0.004	78	203931	7.61	
65 2,4-Dimethylphenol	107	6.834	6.830	0.004	96	493094	6.55	
67 1,3,5-Trichlorobenzene	180		6.830					
71 Benzoic acid	122		6.889					
129 4-Aminobiphenyl	169		6.892					9
70 Bis(2-chloroethoxy)methane	93	6.919	6.915	0.004	98	674009	7.35	
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					9
146 Disulfoton	88		7.010					9
73 2,4-Dichlorophenol	162	7.021	7.017	0.004	88	320744	7.42	
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180	7.101	7.102	-0.001	78	365061	6.83	
75 Naphthalene	128	7.175	7.177	-0.002	81	1356310	8.10	
76 4-Chloroaniline	127	7.208	7.204	0.004	76	164916	2.49	
79 Hexachlorobutadiene	225	7.272	7.268	0.004	86	194404	6.67	
152 Methyl parathion	109		7.282					9
80 1,2,3-Trichlorobenzene	180		7.295					
84 Caprolactam	113	7.485	7.487	-0.002	76	156710	8.89	
155 Ethyl Parathion	97		7.560					
86 4-Chloro-3-methylphenol	107	7.592	7.594	-0.002	78	478018	7.54	
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142	7.763	7.759	0.004	86	911232	8.68	
158 Isodrin	66		7.816					9
88 1-Methylnaphthalene	142	7.849	7.850	-0.001	81	877011	8.63	
90 1,2,3,5-Tetrachlorobenzene	216		7.888					
89 Hexachlorocyclopentadiene	237	7.891	7.893	-0.002	1	6704	0.2213	
92 2,4,6-Trichlorophenol	196	7.987	7.989	-0.002	85	253907	7.78	
93 2,4,5-Trichlorophenol	196	8.020	8.016	0.004	88	269888	7.52	
226 Aramite Peak 1	185		8.131					9
97 2,4-Toluene diamine	121		8.133					
99 1,2,3,4 -Tetrachlorobenzene	216		8.144					9
98 1,1'-Biphenyl	154	8.148	8.149	-0.001	95	958730	7.04	
100 2-Chloronaphthalene	162	8.180	8.181	-0.001	97	769792	7.41	
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65	8.249	8.246	0.003	72	373227	7.72	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163	8.388	8.384	0.004	92	920807	7.52	
107 2,6-Dinitrotoluene	165	8.442	8.443	-0.001	77	201679	7.92	
167 Famphur	218		8.473					9
108 1,2-Dinitrobenzene	168	8.495	8.497	-0.002	79	92108	7.36	
169 3,3'-Dimethylbenzidine	212		8.516					9
109 Acenaphthylene	152	8.532	8.534	-0.002	90	1214592	7.33	
110 3-Nitroaniline	138	8.591	8.593	-0.002	78	84930	3.10	
111 2,4-Dinitrophenol	184	8.677	8.678	-0.001	38	26584	2.99	
112 Acenaphthene	153	8.677	8.678	-0.001	92	792871	7.54	
113 4-Nitrophenol	109	8.698	8.700	-0.002	83	163299	8.10	
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165	8.789	8.785	0.004	76	257487	7.54	
116 Dibenzofuran	168	8.821	8.822	-0.001	87	1160275	7.65	
118 2,3,5,6-Tetrachlorophenol	232	8.880	8.881	-0.001	83	217986	7.31	
121 Diethyl phthalate	149	8.976	8.977	-0.001	94	918244	7.58	
123 4-Chlorophenyl phenyl ether	204	9.099	9.100	-0.001	92	472065	7.24	
125 4-Nitroaniline	138	9.109	9.111	-0.002	73	92720	3.21	
126 Fluorene	166	9.115	9.116	-0.001	68	928781	7.23	
128 4,6-Dinitro-2-methylphenol	198	9.131	9.132	-0.001	71	89719	3.90	
131 N-Nitrosodiphenylamine	169	9.195	9.191	0.004	93	684086	7.12	
176 Hexabromobenzene	232		9.208					
133 Azobenzene	77	9.232	9.234	-0.002	93	1697433	7.26	
132 1,2-Diphenylhydrazine	77	9.232	9.234	-0.002	100	1697433	7.26	
139 4-Bromophenyl phenyl ether	248	9.515	9.517	-0.002	68	241258	6.88	
179 6-Methylchrysene	242		9.576					9
141 Hexachlorobenzene	284	9.585	9.581	0.004	78	237007	6.70	
142 Atrazine	200	9.628	9.624	0.004	80	247342	8.09	
143 Pentachlorophenol	266	9.740	9.741	-0.001	80	163803	6.65	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					9
148 Phenanthrene	178	9.937	9.939	-0.002	82	1663635	8.01	
149 Anthracene	178	9.980	9.982	-0.002	83	1443457	6.94	
151 Carbazole	167	10.103	10.105	-0.002	62	1207481	6.48	
154 Di-n-butyl phthalate	149	10.354	10.356	-0.002	99	1627066	7.11	
185 3-Methylcholanthrene	268		10.594					9
159 Fluoranthene	202	10.958	10.959	-0.001	77	1918217	8.09	
160 Benzidine	184		11.050					
161 Pyrene	202	11.177	11.178	-0.001	72	1870702	7.88	
166 4,4'-DDE	246		11.233					
165 4,4'-DDD	235		11.580					
187 Dibenz[a,h]acridine	279		11.729					9
168 Butyl benzyl phthalate	149	11.786	11.787	-0.001	84	707324	7.46	
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.922					
172 3,3'-Dimethoxybenzidine	244		12.418					
174 4,4'-Methylene bis(2-chloroanili	231		12.466					
175 3,3'-Dichlorobenzidine	252		12.466					
173 Bis(2-ethylhexyl) phthalate	149	12.480	12.482	-0.002	94	1087092	7.71	
177 Benzo[a]anthracene	228	12.523	12.525	-0.002	82	1596082	7.47	
178 Chrysene	228	12.571	12.573	-0.002	83	1557734	7.95	
180 Di-n-octyl phthalate	149	13.420	13.422	-0.002	99	1796133	7.49	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
182 Benzo[b]fluoranthene	252	14.078	14.079	-0.001	74	1514936	7.49	
183 Benzo[k]fluoranthene	252	14.120	14.122	-0.002	79	1460431	7.02	
184 Benzo[a]pyrene	252	14.590	14.597	-0.007	75	1239836	6.49	
188 Indeno[1,2,3-cd]pyrene	276	16.401	16.403	-0.002	82	1223510	5.83	
189 Dibenz(a,h)anthracene	278	16.433	16.430	0.003	62	961666	5.58	
190 Benzo[g,h,i]perylene	276	16.887	16.889	-0.002	77	959842	5.45	
S 191 Methyl Phenols,Total	100				0		23.1	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 192 Octadecane (TIC)	57		0.000					
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 235 4-isopropylphenol TIC	121		4.756					
T 236 3-isopropylphenol TIC	121		4.756					
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

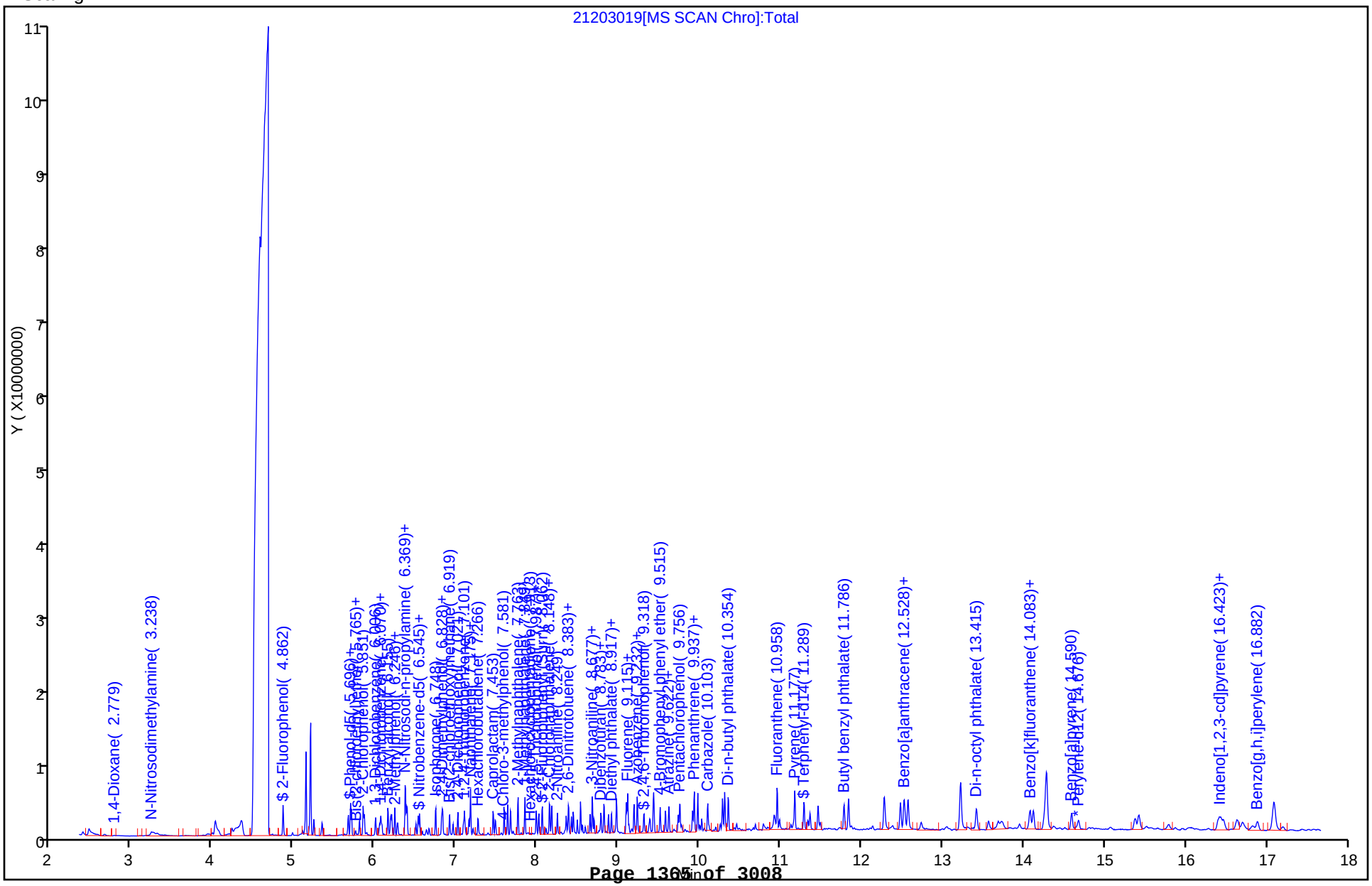
Report Date: 04-Dec-2012 09:30:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203019.D

Injection Date:	03-Dec-2012 18:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	19
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD | Lab Sample ID: 240-17477-6 MSD RE

Matrix: Solid | Lab File ID: 21207013.D

Analysis Method: 8270C/DoD | Date Collected: 11/09/2012 11:10

Extract. Method: 3540C | Date Extracted: 12/05/2012 10:50

Sample wt/vol: 30.17(g) | Date Analyzed: 12/07/2012 17:53

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67729 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
117-81-7	Bis(2-ethylhexyl) phthalate	480	H	50	27	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	63		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	61		35-100
1718-51-0	Terphenyl-d14 (Surr)	71		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	84		35-125
4165-62-2	Phenol-d5 (Surr)	72		40-100

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207013.D
Lims ID: 240-17477-A-6-AQ MSD Client ID: 079SS-0004M-0002-SO
Inject. Date: 07-Dec-2012 17:53:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015623-013
Misc. Info.: 240-17477-A-6-AQ MSD =240-17477-A-6-AQ MSD
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 67729 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121207-15623.b\8270 _9.m
Last Update: 08-Dec-2012 11:37:47 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 08-Dec-2012 11:10:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.951	5.949	0.002	83	131225	4.00	
* 2 Naphthalene-d8	136	7.068	7.066	0.002	98	533776	4.00	
* 3 Acenaphthene-d10	164	8.558	8.561	-0.003	65	348006	4.00	
* 4 Phenanthrene-d10	188	9.819	9.817	0.002	77	607420	4.00	
* 5 Chrysene-d12	240	12.383	12.381	0.002	72	626994	4.00	
* 6 Perylene-d12	264	14.472	14.470	0.002	82	519111	4.00	
$ 7 2-Fluorophenol	112	4.738	4.688	0.050	91	555606	10.8	
$ 8 Phenol-d5	99	5.598	5.591	0.007	0	807890	10.8	
$ 9 Nitrobenzene-d5	82	6.437	6.435	0.002	84	498788	6.11	
$ 10 2-Fluorobiphenyl (Surr)	172	7.970	7.974	-0.004	98	733311	6.35	
$ 11 2,4,6-Tribromophenol	330	9.220	9.224	-0.004	80	169137	12.6	
$ 12 Terphenyl-d14	244	11.176	11.174	0.002	82	912214	7.10	
22 Bis(2-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					
32 N-Nitrosomethylethylamine	88		2.374					
25 1,4-Dioxane	88	2.409	2.418	-0.009	57	72350	2.84	M
34 Methyl methanesulfonate	80		2.587					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
26 N-Nitrosodimethylamine	74	2.917	2.899	0.018	74	236460	7.07	
27 Pyridine	79	2.959	2.947	0.012	85	153247	2.24	M
37 Ethyl methanesulfonate	79		3.105					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.631					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
29 3-Chloropropionitrile	54		4.021					
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					9
63 N-Nitrosopiperidine	114		4.254					
33 Malononitrile	66		4.416					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					9
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					9
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.556	5.548	0.008	84	416812	6.46	
43 Phenol	94	5.609	5.602	0.007	93	623543	7.38	
44 Aniline	93	5.652	5.645	0.007	82	234615	2.22	
103 1,4-Naphthoquinone	158		5.680					
69 Bis(2-chloroethyl)ether	93	5.705	5.698	0.007	93	415095	6.37	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					9
46 2-Chlorophenol	128	5.764	5.751	0.013	87	341452	7.13	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
47 1,3-Dichlorobenzene	146	5.903	5.896	0.007	81	310765	6.03	
48 1,4-Dichlorobenzene	146	5.967	5.965	0.002	79	346584	6.66	
49 Benzyl alcohol	108	6.063	6.056	0.007	85	295208	7.47	
115 Pentachlorobenzene	250		6.091					
50 1,2-Dichlorobenzene	146	6.106	6.099	0.007	84	313018	6.25	
51 2-Methylphenol	108	6.154	6.147	0.007	94	432801	7.68	
117 1-Naphthylamine	143		6.166					
53 2,2'-oxybis[1-chloropropane]	45	6.181	6.179	0.002	83	440559	6.63	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
120 2-Naphthylamine	143		6.225					
21 3 & 4 Methylphenol	108	6.282	6.280	0.002	94	939214	15.7	
57 N-Nitrosodi-n-propylamine	70	6.293	6.291	0.002	72	370922	6.28	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
58 Acetophenone	105	6.298	6.296	0.002	86	571373	6.56	
122 Thionazin	97		6.305					
124 N-Nitro-o-toluidine	152		6.358					
127 Tributyl phosphate	99		6.379					
61 Hexachloroethane	117	6.405	6.403	0.002	96	117603	4.83	
130 Diphenylamine	169		6.428					9
62 Nitrobenzene	77	6.453	6.451	0.002	78	552281	6.42	
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					9
64 Isophorone	82	6.656	6.654	0.002	94	1060109	6.76	
230 Diallate Peak 2	86		6.695					
66 2-Nitrophenol	139	6.731	6.729	0.002	94	174117	7.43	
67 1,3,5-Trichlorobenzene	180		6.740					
65 2,4-Dimethylphenol	107	6.747	6.745	0.002	94	449135	6.82	
140 Dimethoate	87		6.764					
71 Benzoic acid	122		6.814					
70 Bis(2-chloroethoxy)methane	93	6.833	6.831	0.003	98	530069	6.61	
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					9
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162	6.934	6.932	0.002	91	315599	8.34	
146 Disulfoton	88		7.010					
74 1,2,4-Trichlorobenzene	180	7.009	7.012	-0.003	73	311748	6.66	
147 Dinoseb	211		7.020					
75 Naphthalene	128	7.084	7.087	-0.003	80	1207208	8.24	
76 4-Chloroaniline	127	7.116	7.114	0.002	70	140495	2.42	
79 Hexachlorobutadiene	225	7.180	7.183	-0.003	85	160865	6.31	
80 1,2,3-Trichlorobenzene	180		7.204					9
152 Methyl parathion	109		7.282					
84 Caprolactam	113	7.393	7.402	-0.009	81	139189	9.02	
86 4-Chloro-3-methylphenol	107	7.511	7.509	0.002	80	422714	7.62	
155 Ethyl Parathion	97		7.560					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142	7.671	7.675	-0.004	85	885704	9.64	
88 1-Methylnaphthalene	142	7.757	7.760	-0.003	81	813111	9.14	
90 1,2,3,5-Tetrachlorobenzene	216		7.803					
89 Hexachlorocyclopentadiene	237	7.799	7.803	-0.004	39	8828	0.3156	
158 Isodrin	66		7.816					
92 2,4,6-Trichlorophenol	196	7.901	7.899	0.002	89	237340	7.88	
93 2,4,5-Trichlorophenol	196	7.933	7.931	0.002	89	248386	7.49	
97 2,4-Toluene diamine	121		8.043					9
99 1,2,3,4 -Tetrachlorobenzene	216		8.054					
98 1,1'-Biphenyl	154	8.061	8.065	-0.004	92	861253	6.85	
100 2-Chloronaphthalene	162	8.088	8.091	-0.003	93	667703	6.96	
226 Aramite Peak 1	185		8.131					
102 2-Nitroaniline	65	8.157	8.161	-0.004	71	331198	7.41	
229 Aramite Peak 2	185		8.185					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163	8.296	8.300	-0.004	94	830344	7.35	
107 2,6-Dinitrotoluene	165	8.355	8.358	-0.003	78	189608	8.06	
108 1,2-Dinitrobenzene	168	8.408	8.406	0.002	74	89347	7.73	
109 Acenaphthylene	152	8.446	8.444	0.002	89	1132124	7.40	
167 Famphur	218		8.473					
110 3-Nitroaniline	138	8.505	8.503	0.002	87	89016	3.52	
169 3,3'-Dimethylbenzidine	212		8.516					9
112 Acenaphthene	153	8.585	8.588	-0.003	91	699027	7.20	
111 2,4-Dinitrophenol	184	8.590	8.593	-0.003	44	45331	4.21	
113 4-Nitrophenol	109	8.617	8.620	-0.003	86	133995	7.20	
114 2,4-Dinitrotoluene	165	8.697	8.700	-0.003	83	260107	8.25	
171 2-Acetylaminofluorene	181		8.713					
116 Dibenzofuran	168	8.729	8.732	-0.003	86	1090416	7.78	
118 2,3,5,6-Tetrachlorophenol	232	8.788	8.791	-0.003	81	196682	7.15	
121 Diethyl phthalate	149	8.889	8.887	0.002	95	802981	7.18	
123 4-Chlorophenyl phenyl ether	204	9.007	9.005	0.002	89	443459	7.37	
125 4-Nitroaniline	138	9.017	9.021	-0.004	77	107373	4.03	
126 Fluorene	166	9.023	9.021	0.002	69	877560	7.40	
128 4,6-Dinitro-2-methylphenol	198	9.039	9.042	-0.003	74	118394	5.54	
131 N-Nitrosodiphenylamine	169	9.103	9.101	0.002	91	666791	7.95	
133 Azobenzene	77	9.140	9.144	-0.004	93	1416309	6.93	
132 1,2-Diphenylhydrazine	77	9.140	9.144	-0.004	99	1416309	6.93	
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248	9.423	9.421	0.002	63	245715	8.02	
141 Hexachlorobenzene	284	9.488	9.486	0.002	78	237041	7.67	
142 Atrazine	200	9.530	9.534	-0.004	78	231276	8.66	
179 6-Methylchrysene	242		9.576					9
143 Pentachlorophenol	266	9.642	9.646	-0.004	78	145757	6.77	
148 Phenanthrene	178	9.840	9.838	0.002	81	1619524	8.92	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					9
149 Anthracene	178	9.883	9.881	0.002	82	1370844	7.54	
151 Carbazole	167	10.006	10.004	0.002	61	1155343	7.10	
154 Di-n-butyl phthalate	149	10.262	10.260	0.002	100	1465146	7.33	
185 3-Methylcholanthrene	268		10.594					9
159 Fluoranthene	202	10.850	10.848	0.002	77	1853043	8.95	
160 Benzidine	184		10.944					
161 Pyrene	202	11.063	11.061	0.002	73	1815553	8.37	
166 4,4'-DDE	246		11.111					
165 4,4'-DDD	235		11.490					
168 Butyl benzyl phthalate	149	11.656	11.654	0.002	89	640097	7.39	
187 Dibenz[a,h]acridine	279		11.729					
170 4,4'-DDT	235		11.779					
186 Dibenz[a,j]acridine	279		11.804					
172 3,3'-Dimethoxybenzidine	244		12.269					
175 3,3'-Dichlorobenzidine	252	12.314	12.312	0.002	1	28363	0.6204	M
174 4,4'-Methylene bis(2-chloroanili	231		12.312					9
173 Bis(2-ethylhexyl) phthalate	149	12.330	12.333	-0.003	94	932584	7.24	
177 Benzo[a]anthracene	228	12.367	12.370	-0.003	78	1589549	8.14	
178 Chrysene	228	12.415	12.418	-0.003	80	1525190	8.52	
180 Di-n-octyl phthalate	149	13.243	13.246	-0.003	97	1550583	7.29	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
182 Benzo[b]fluoranthene	252	13.884	13.887	-0.003	73	1500354	8.34	
183 Benzo[k]fluoranthene	252	13.927	13.930	-0.003	84	1435743	7.76	
184 Benzo[a]pyrene	252	14.386	14.390	-0.004	75	1237945	7.29	
188 Indeno[1,2,3-cd]pyrene	276	16.144	16.142	0.002	86	1213416	6.50	
189 Dibenz(a,h)anthracene	278	16.171	16.169	0.002	61	988481	6.45	
190 Benzo[g,h,i]perylene	276	16.598	16.601	-0.003	74	957541	6.11	
S 191 Methyl Phenols,Total	100				0		23.3	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					
T 195 Hydroquinone TIC	110		0.000					1
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 236 3-isopropylphenol TIC	121		4.756					
T 235 4-isopropylphenol TIC	121		4.756					
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

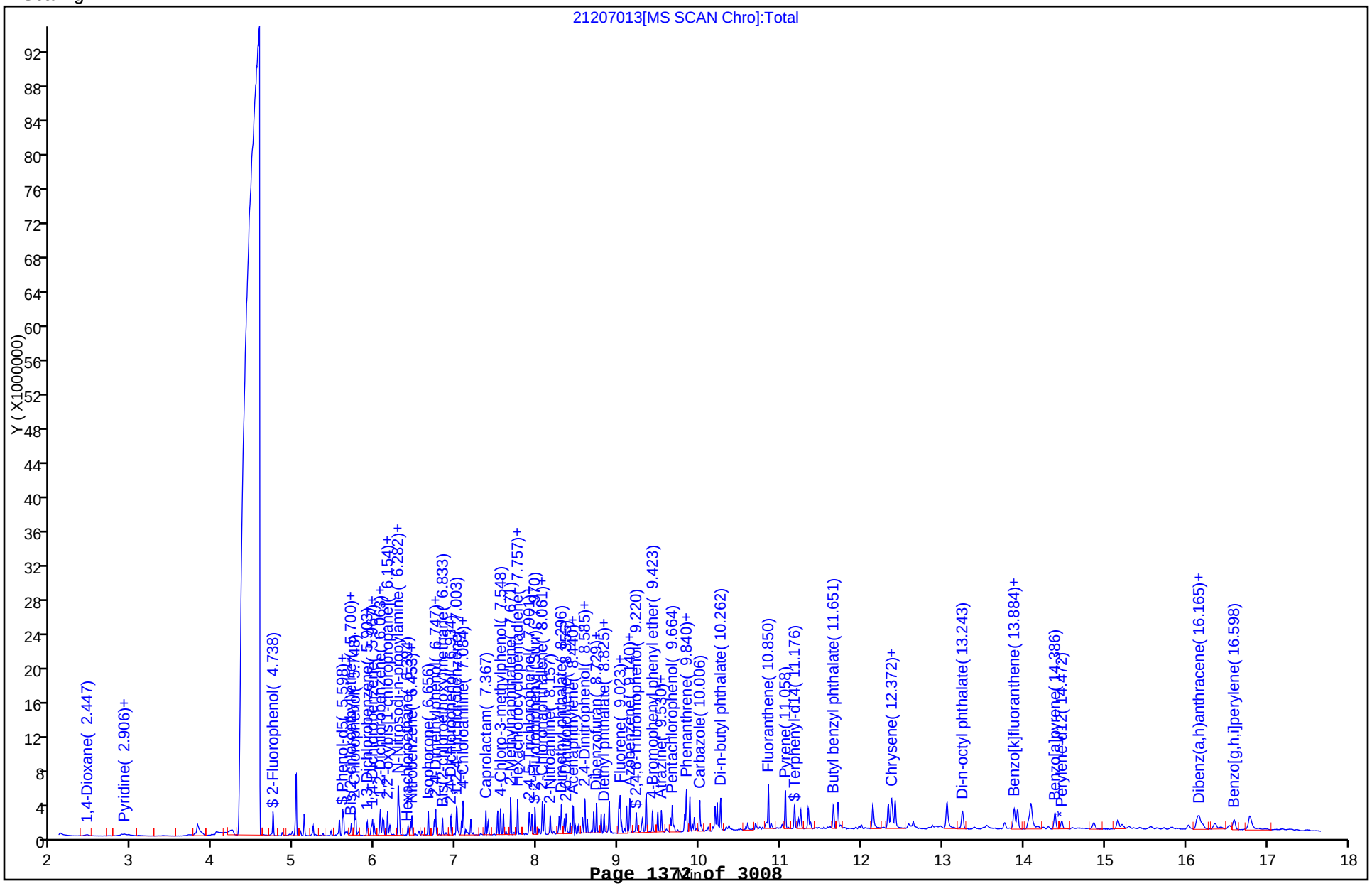
Review Flags
M - Manually Integrated

Report Date: 08-Dec-2012 11:37:55 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121207-15623.b\21207013.D		
Injection Date:	07-Dec-2012 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A4HP9
Lims Batch ID:	67729	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A4HP9 Start Date: 11/14/2012 11:15

Analysis Batch Number: 64921 End Date: 11/14/2012 20:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-64921/1		11/14/2012 11:15	1	21114001.D	RXI-5SILMS 0.45(mm)
STD5 240-64921/2 IC		11/14/2012 11:39	1	21114002.D	RXI-5SILMS 0.45(mm)
STD4 240-64921/3 IC		11/14/2012 11:59	1	21114003.D	RXI-5SILMS 0.45(mm)
STD3 240-64921/4 IC		11/14/2012 12:18	1	21114004.D	RXI-5SILMS 0.45(mm)
STD2 240-64921/5 IC		11/14/2012 12:37	1	21114005.D	RXI-5SILMS 0.45(mm)
STD1 240-64921/6 IC		11/14/2012 12:56	1	21114006.D	RXI-5SILMS 0.45(mm)
STD9 240-64921/7 IC		11/14/2012 13:15	1	21114007.D	RXI-5SILMS 0.45(mm)
STD8 240-64921/8 IC		11/14/2012 13:34	1	21114008.D	RXI-5SILMS 0.45(mm)
STD7 240-64921/9 IC		11/14/2012 13:53	1	21114009.D	RXI-5SILMS 0.45(mm)
STD6 240-64921/10 ICIS		11/14/2012 14:12	1	21114010.D	RXI-5SILMS 0.45(mm)
ICV 240-64921/21		11/14/2012 14:53	1	21114021.D	RXI-5SILMS 0.45(mm)
ZZZZZ		11/14/2012 15:13	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/14/2012 15:32	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/14/2012 18:24	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/14/2012 18:44	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/14/2012 19:03	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/14/2012 19:22	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/14/2012 19:41	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/14/2012 20:00	1		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A4HP9 Start Date: 11/16/2012 09:20

Analysis Batch Number: 65294 End Date: 11/16/2012 15:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-65294/1		11/16/2012 09:20	1	21116001.D	RXI-5SILMS 0.45(mm)
CCV 240-65294/2		11/16/2012 09:38	1	21116002.D	RXI-5SILMS 0.45(mm)
MRL 240-65294/3		11/16/2012 10:00	1	21116003.D	RXI-5SILMS 0.45(mm)
MB 240-64920/23-A		11/16/2012 10:21	1	21116004.D	RXI-5SILMS 0.45(mm)
LCS 240-64920/24-A		11/16/2012 10:40	1	21116005.D	RXI-5SILMS 0.45(mm)
ZZZZZ		11/16/2012 11:36	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/16/2012 11:55	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/16/2012 12:14	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/16/2012 12:33	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/16/2012 12:52	1		RXI-5SILMS 0.45(mm)
240-17477-1	068SW-0013-0001-SW	11/16/2012 13:11	1	21116013.D	RXI-5SILMS 0.45(mm)
240-17477-2	068SW-0014-0001-SW	11/16/2012 13:30	1	21116014.D	RXI-5SILMS 0.45(mm)
240-17477-3	068SW-0015-0001-SW	11/16/2012 13:49	1	21116015.D	RXI-5SILMS 0.45(mm)
240-17477-4	068SW-0016-0001-SW	11/16/2012 14:08	1	21116016.D	RXI-5SILMS 0.45(mm)
240-17477-4 MS	068SW-0016-0001-SW MS	11/16/2012 14:27	1	21116017.D	RXI-5SILMS 0.45(mm)
240-17477-4 MSD	068SW-0016-0001-SW MSD	11/16/2012 14:46	1	21116018.D	RXI-5SILMS 0.45(mm)
MRL 240-65294/19		11/16/2012 15:09	1	21116019.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A4HP9 Start Date: 12/03/2012 11:11

Analysis Batch Number: 67070 End Date: 12/03/2012 22:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-67070/1		12/03/2012 11:11	1	21203001.D	RXI-5SILMS 0.45(mm)
STD5 240-67070/2 IC		12/03/2012 11:32	1	21203002.D	RXI-5SILMS 0.45(mm)
STD4 240-67070/3 IC		12/03/2012 11:57	1	21203003.D	RXI-5SILMS 0.45(mm)
STD3 240-67070/4 IC		12/03/2012 12:23	1	21203004.D	RXI-5SILMS 0.45(mm)
STD2 240-67070/5 IC		12/03/2012 12:48	1	21203005.D	RXI-5SILMS 0.45(mm)
STD1 240-67070/6 IC		12/03/2012 13:13	1	21203006.D	RXI-5SILMS 0.45(mm)
STD9 240-67070/7 IC		12/03/2012 13:39	1	21203007.D	RXI-5SILMS 0.45(mm)
STD8 240-67070/8 IC		12/03/2012 14:04	1	21203008.D	RXI-5SILMS 0.45(mm)
STD7 240-67070/9 IC		12/03/2012 14:36	1	21203009.D	RXI-5SILMS 0.45(mm)
STD6 240-67070/10 ICIS		12/03/2012 15:01	1	21203010.D	RXI-5SILMS 0.45(mm)
ICV 240-67070/12		12/03/2012 15:52	1	21203012.D	RXI-5SILMS 0.45(mm)
MRL 240-67070/13		12/03/2012 16:18	1	21203013.D	RXI-5SILMS 0.45(mm)
MB 240-65933/23-A		12/03/2012 16:43	1	21203014.D	RXI-5SILMS 0.45(mm)
LCS 240-65933/24-A		12/03/2012 17:08	1	21203015.D	RXI-5SILMS 0.45(mm)
240-17477-7	079SS-0005M-0001-SO	12/03/2012 17:34	1	21203016.D	RXI-5SILMS 0.45(mm)
240-17477-6	079SS-0004M-0001-SO	12/03/2012 17:59	1	21203017.D	RXI-5SILMS 0.45(mm)
240-17477-6 MS	079SS-0004M-0001-SO MS	12/03/2012 18:24	1	21203018.D	RXI-5SILMS 0.45(mm)
240-17477-6 MSD	079SS-0004M-0001-SO MSD	12/03/2012 18:50	1	21203019.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 19:15	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 19:40	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 20:06	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 20:31	1		RXI-5SILMS 0.45(mm)
MRL 240-67070/24		12/03/2012 20:56	1	21203024.D	RXI-5SILMS 0.45(mm)
mdll1 LODV		12/03/2012 21:21	1	21203025.D	RXI-5SILMS 0.45(mm)
mdll2 LODV		12/03/2012 21:47	1	21203026.D	RXI-5SILMS 0.45(mm)
mdll3 LODV		12/03/2012 22:12	1	21203027.D	RXI-5SILMS 0.45(mm)
mdll4 LODV		12/03/2012 22:37	1	21203028.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A4HP9 Start Date: 12/07/2012 12:56

Analysis Batch Number: 67729 End Date: 12/07/2012 22:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-67729/1		12/07/2012 12:56	1	21207001.D	RXI-5SILMS 0.45(mm)
CCV 240-67729/2		12/07/2012 13:16	1	21207002.D	RXI-5SILMS 0.45(mm)
MRL 240-67729/3		12/07/2012 13:43	1	21207003.D	RXI-5SILMS 0.45(mm)
MB 240-67436/23-A		12/07/2012 14:08	1	21207004.D	RXI-5SILMS 0.45(mm)
LCS 240-67436/24-A		12/07/2012 14:33	1	21207005.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/07/2012 14:58	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/07/2012 15:23	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/07/2012 15:48	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/07/2012 16:13	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/07/2012 16:38	5		RXI-5SILMS 0.45(mm)
240-17477-6 RE	079SS-0004M-0001-SO RE	12/07/2012 17:03	1	21207011.D	RXI-5SILMS 0.45(mm)
240-17477-6 MS RE	079SS-0004M-0001-SO MS RE	12/07/2012 17:28	1	21207012.D	RXI-5SILMS 0.45(mm)
240-17477-6 MSD RE	079SS-0004M-0001-SO MSD RE	12/07/2012 17:53	1	21207013.D	RXI-5SILMS 0.45(mm)
240-17477-7 RE	079SS-0005M-0001-SO RE	12/07/2012 18:18	1	21207014.D	RXI-5SILMS 0.45(mm)
MRL 240-67729/15		12/07/2012 18:43	1	21207015.D	RXI-5SILMS 0.45(mm)
mdll1 LODV		12/07/2012 19:08	1	21207016.D	RXI-5SILMS 0.45(mm)
mdll2 LODV		12/07/2012 19:33	1	21207017.D	RXI-5SILMS 0.45(mm)
mdll3 LODV		12/07/2012 19:58	1	21207018.D	RXI-5SILMS 0.45(mm)
mdll4 LODV		12/07/2012 20:23	1	21207019.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/07/2012 20:48	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/07/2012 21:13	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/07/2012 21:38	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/07/2012 22:02	1		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 64920 Batch Start Date: 11/14/12 12:40 Batch Analyst: Earle, Steve

Batch Method: 3520C Batch End Date: 11/15/12 06:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	EXBNALCS1 00029	EXBNASURRW 00020
240-17477-B-1	068SW-0013-0001-SW	3520C, 8270C/DoD	T	7 SU	1050 mL	2.0 mL	2 SU		1 mL
240-17477-C-2	068SW-0014-0001-SW	3520C, 8270C/DoD	T	7 SU	1050 mL	2.0 mL	2 SU		1 mL
240-17477-B-3	068SW-0015-0001-SW	3520C, 8270C/DoD	T	7 SU	1050 mL	2.0 mL	2 SU		1 mL
240-17477-I-4	068SW-0016-0001-SW	3520C, 8270C/DoD	T	7 SU	1050 mL	2.0 mL	2 SU		1 mL
240-17477-H-4 MS	068SW-0016-0001-SW	3520C, 8270C/DoD	T	7 SU	1050 mL	2.0 mL	2 SU	1 mL	1 mL
240-17477-D-4 MSD	068SW-0016-0001-SW	3520C, 8270C/DoD	T	7 SU	1050 mL	2.0 mL	2 SU	1 mL	1 mL
MB 240-64920/23		3520C, 8270C/DoD		7 SU	1000 mL	2.0 mL	2 SU		1 mL
LCS 240-64920/24		3520C, 8270C/DoD		7 SU	1000 mL	2.0 mL	2 SU	1 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXRESTEKSPKW 00016					
240-17477-B-1	068SW-0013-0001-SW	3520C, 8270C/DoD	T						
240-17477-C-2	068SW-0014-0001-SW	3520C, 8270C/DoD	T						
240-17477-B-3	068SW-0015-0001-SW	3520C, 8270C/DoD	T						
240-17477-I-4	068SW-0016-0001-SW	3520C, 8270C/DoD	T						
240-17477-H-4 MS	068SW-0016-0001-SW	3520C, 8270C/DoD	T	1 mL					
240-17477-D-4 MSD	068SW-0016-0001-SW	3520C, 8270C/DoD	T	1 mL					
MB 240-64920/23		3520C, 8270C/DoD							
LCS 240-64920/24		3520C, 8270C/DoD		1 mL					

Batch Notes	
Acid used for pH adjust Lot #	711898
Person's name who did the concentration	lm/lh
Na2SO4 Lot Number	677233
Prep Solvent Lot #	723535

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 64920 Batch Start Date: 11/14/12 12:40 Batch Analyst: Earle, Steve

Batch Method: 3520C Batch End Date: 11/15/12 06:40

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 65933 Batch Start Date: 11/21/12 14:30 Batch Analyst: Cerne, Amanda

Batch Method: 3540C Batch End Date: 11/22/12 06:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00030	EXBNASURRW 00020	EXRESTEKSPKW 00016	
240-17477-A-6-B	079SS-0004M-0001 -SO	3540C, 8270C/DoD	T	29.77 g	2 mL		1 mL		
240-17477-A-6-C MS	079SS-0004M-0001 -SO	3540C, 8270C/DoD	T	30.10 g	2 mL	1 mL	1 mL	1 mL	
240-17477-A-6-D MSD	079SS-0004M-0001 -SO	3540C, 8270C/DoD	T	30.25 g	2 mL	1 mL	1 mL	1 mL	
240-17477-A-7-B	079SS-0005M-0001 -SO	3540C, 8270C/DoD	T	29.78 g	2 mL		1 mL		
MB 240-65933/23		3540C, 8270C/DoD		30.00 g	2 mL		1 mL		
LCS 240-65933/24		3540C, 8270C/DoD		30.00 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	b036
Na2SO4 Lot Number	677237
Prep Solvent Lot #	719012

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 67436 Batch Start Date: 12/05/12 14:05 Batch Analyst: Matthews, Brandon

Batch Method: 3540C Batch End Date: 12/06/12 06:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00030	EXBNASURRW 00021	EXRESTEKSPKW 00017	
240-17477-A-6-B	079SS-0004M-0001 -SO	3540C, 8270C/DoD	T	29.74 g	2 mL		1 mL		
240-17477-A-6-C MS	079SS-0004M-0001 -SO	3540C, 8270C/DoD	T	30.46 g	2 mL	1 mL	1 mL	1 mL	
240-17477-A-6-D MSD	079SS-0004M-0001 -SO	3540C, 8270C/DoD	T	30.17 g	2 mL	1 mL	1 mL	1 mL	
240-17477-A-7-B	079SS-0005M-0001 -SO	3540C, 8270C/DoD	T	29.66 g	2 mL		1 mL		
MB 240-67436/23		3540C, 8270C/DoD		30.00 g	2 mL		1 mL		
LCS 240-67436/24		3540C, 8270C/DoD		30.00 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	b036
Person's name who did the concentration	cc/lh
Na2SO4 Lot Number	677237
Prep Solvent Lot #	763280

Basis	Basis Description
T	Total/NA

Method 8081 DOD

Organochlorine Pesticides (GC) by Method 8081A/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
079SS-0004M-0001-SO	240-17477-6	87	103	92	91
079SS-0005M-0001-SO	240-17477-7	104	102	127	102
	MB 240-65759/17-A	86	86	92	88
	LCS 240-65759/18-A	85	81	97	92
079SS-0004M-0001-SO MS	240-17477-6 MS	110	147 Q	114	123
079SS-0004M-0001-SO MSD	240-17477-6 MSD	102	133 Q	91 M	96

	QC LIMITS
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Column to be used to flag recovery values

FORM II 8081/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P9112731.D

Lab ID: LCS 240-65759/18-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	33.3	35.3	106	30-135	
4,4'-DDE	33.3	33.5	100	70-125	
4,4'-DDT	33.3	36.3	109	45-140	
Aldrin	33.3	34.2	103	45-140	
alpha-BHC	33.3	36.2	109	60-125	
alpha-Chlordane	33.3	33.4	100	65-120	
beta-BHC	33.3	33.4	100	60-125	
delta-BHC	33.3	40.3	121	55-130	
Dieldrin	33.3	35.1	105	65-125	
Endosulfan I	33.3	25.3	76	15-135	
Endosulfan II	33.3	28.4	85	35-140	
Endosulfan sulfate	33.3	37.2	112	60-135	
Endrin	33.3	32.0	96	60-135	
Endrin aldehyde	33.3	33.5	101	35-145	
Endrin ketone	33.3	32.3	97	65-135	
gamma-BHC (Lindane)	33.3	33.8	101	60-125	
gamma-Chlordane	33.3	33.1	99	65-125	
Heptachlor	33.3	29.4	88	50-140	
Heptachlor epoxide	33.3	34.6	104	65-130	
Methoxychlor	33.3	32.8	99	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P9112718.D

Lab ID: MRL 240-66500/18 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00526	105	70-130	
4,4'-DDD	0.00500	0.00553	111	70-130	
4,4'-DDE	0.00500	0.00524	105	70-130	
4,4'-DDE	0.00500	0.00540	108	70-130	
4,4'-DDT	0.00500	0.00507	101	70-130	
4,4'-DDT	0.00500	0.00525	105	70-130	
Aldrin	0.00500	0.00539	108	70-130	
Aldrin	0.00500	0.00544	109	70-130	
alpha-BHC	0.00500	0.00519	104	70-130	
alpha-BHC	0.00500	0.00489 J	98	70-130	
alpha-Chlordane	0.00500	0.00551	110	70-130	
alpha-Chlordane	0.00500	0.00572	114	70-130	
beta-BHC	0.00500	0.00573	115	70-130	
beta-BHC	0.00500	0.00600	120	70-130	
delta-BHC	0.00500	0.00523	105	70-130	
delta-BHC	0.00500	0.00513	103	70-130	
Dieldrin	0.00500	0.00537	107	70-130	
Dieldrin	0.00500	0.00566	113	70-130	
Endosulfan I	0.00500	0.00567	113	70-130	
Endosulfan I	0.00500	0.00594	119	70-130	
Endosulfan II	0.00500	0.00564	113	70-130	
Endosulfan II	0.00500	0.00553	111	70-130	
Endosulfan sulfate	0.00500	0.00563	113	70-130	
Endosulfan sulfate	0.00500	0.00558	112	70-130	
Endrin	0.00500	0.00563	113	70-130	
Endrin	0.00500	0.00567	113	70-130	
Endrin aldehyde	0.00500	0.00557	111	70-130	
Endrin aldehyde	0.00500	0.00590	118	70-130	
Endrin ketone	0.00500	0.00559	112	70-130	
Endrin ketone	0.00500	0.00556	111	70-130	
gamma-BHC (Lindane)	0.00500	0.00534	107	70-130	
gamma-BHC (Lindane)	0.00500	0.00534	107	70-130	
gamma-Chlordane	0.00500	0.00546	109	70-130	
gamma-Chlordane	0.00500	0.00555	111	70-130	
Heptachlor	0.00500	0.00566	113	70-130	
Heptachlor	0.00500	0.00585	117	70-130	
Heptachlor epoxide	0.00500	0.00561	112	70-130	
Heptachlor epoxide	0.00500	0.00577	115	70-130	
Methoxychlor	0.00500	0.00551 J	110	70-130	
Methoxychlor	0.00500	0.00557 J	111	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P9112756.D

Lab ID: MRL 240-66500/56 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00578	116	70-130	
4,4'-DDD	0.00500	0.00575	115	70-130	
4,4'-DDE	0.00500	0.00608	122	70-130	
4,4'-DDE	0.00500	0.00593	119	70-130	
4,4'-DDT	0.00500	0.00510	102	70-130	
4,4'-DDT	0.00500	0.00514	103	70-130	
Aldrin	0.00500	0.00666	133	70-130	^
Aldrin	0.00500	0.00657	131	70-130	^
alpha-BHC	0.00500	0.00640	128	70-130	
alpha-BHC	0.00500	0.00591	118	70-130	
alpha-Chlordane	0.00500	0.00636	127	70-130	
alpha-Chlordane	0.00500	0.00631	126	70-130	
beta-BHC	0.00500	0.00652	130	70-130	
beta-BHC	0.00500	0.00667	133	70-130	^
delta-BHC	0.00500	0.00596	119	70-130	
delta-BHC	0.00500	0.00566	113	70-130	
Dieldrin	0.00500	0.00605	121	70-130	
Dieldrin	0.00500	0.00606	121	70-130	
Endosulfan I	0.00500	0.00611	122	70-130	
Endosulfan I	0.00500	0.00611	122	70-130	
Endosulfan II	0.00500	0.00597	119	70-130	
Endosulfan II	0.00500	0.00575	115	70-130	
Endosulfan sulfate	0.00500	0.00629	126	70-130	
Endosulfan sulfate	0.00500	0.00599	120	70-130	
Endrin	0.00500	0.00582	116	70-130	
Endrin	0.00500	0.00564	113	70-130	
Endrin aldehyde	0.00500	0.00582	116	70-130	
Endrin aldehyde	0.00500	0.00586	117	70-130	
Endrin ketone	0.00500	0.00611	122	70-130	
Endrin ketone	0.00500	0.00580	116	70-130	
gamma-BHC (Lindane)	0.00500	0.00607	121	70-130	
gamma-BHC (Lindane)	0.00500	0.00579	116	70-130	
gamma-Chlordane	0.00500	0.00626	125	70-130	
gamma-Chlordane	0.00500	0.00623	125	70-130	
Heptachlor	0.00500	0.00570	114	70-130	
Heptachlor	0.00500	0.00576	115	70-130	
Heptachlor epoxide	0.00500	0.00633	127	70-130	
Heptachlor epoxide	0.00500	0.00635	127	70-130	
Methoxychlor	0.00500	0.00591 J	118	70-130	
Methoxychlor	0.00500	0.00580 J	116	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P9112908.D

Lab ID: MRL 240-66829/8 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00530	106	70-130	
4,4'-DDD	0.00500	0.00541	108	70-130	
4,4'-DDE	0.00500	0.00541	108	70-130	
4,4'-DDE	0.00500	0.00531	106	70-130	
4,4'-DDT	0.00500	0.00471 J	94	70-130	
4,4'-DDT	0.00500	0.00482 J	96	70-130	
Aldrin	0.00500	0.00541	108	70-130	
Aldrin	0.00500	0.00527	105	70-130	
alpha-BHC	0.00500	0.00513	103	70-130	
alpha-BHC	0.00500	0.00482 J	96	70-130	
alpha-Chlordane	0.00500	0.00547	109	70-130	
alpha-Chlordane	0.00500	0.00543	109	70-130	
beta-BHC	0.00500	0.00557	111	70-130	
beta-BHC	0.00500	0.00584	117	70-130	
delta-BHC	0.00500	0.00471 J	94	70-130	
delta-BHC	0.00500	0.00462 J	92	70-130	
Dieldrin	0.00500	0.00542	108	70-130	
Dieldrin	0.00500	0.00548	110	70-130	
Endosulfan I	0.00500	0.00564	113	70-130	
Endosulfan I	0.00500	0.00575	115	70-130	
Endosulfan II	0.00500	0.00584	117	70-130	
Endosulfan II	0.00500	0.00541	108	70-130	
Endosulfan sulfate	0.00500	0.00535	107	70-130	
Endosulfan sulfate	0.00500	0.00525	105	70-130	
Endrin	0.00500	0.00561	112	70-130	
Endrin	0.00500	0.00550	110	70-130	
Endrin aldehyde	0.00500	0.00571	114	70-130	
Endrin aldehyde	0.00500	0.00588	118	70-130	
Endrin ketone	0.00500	0.00580	116	70-130	
Endrin ketone	0.00500	0.00573	115	70-130	
gamma-BHC (Lindane)	0.00500	0.00521	104	70-130	
gamma-BHC (Lindane)	0.00500	0.00513	103	70-130	
gamma-Chlordane	0.00500	0.00538	108	70-130	
gamma-Chlordane	0.00500	0.00542	108	70-130	
Heptachlor	0.00500	0.00557	111	70-130	
Heptachlor	0.00500	0.00581	116	70-130	
Heptachlor epoxide	0.00500	0.00558	112	70-130	
Heptachlor epoxide	0.00500	0.00562	112	70-130	
Methoxychlor	0.00500	0.00539 J	108	70-130	
Methoxychlor	0.00500	0.00537 J	107	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P9112918.D

Lab ID: MRL 240-66829/18 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00632	126	70-130	
4,4'-DDD	0.00500	0.00605	121	70-130	
4,4'-DDE	0.00500	0.00628	126	70-130	
4,4'-DDE	0.00500	0.00595	119	70-130	
4,4'-DDT	0.00500	0.00467 J	93	70-130	
4,4'-DDT	0.00500	0.00454 J	91	70-130	
Aldrin	0.00500	0.00644	129	70-130	
Aldrin	0.00500	0.00621	124	70-130	
alpha-BHC	0.00500	0.00612	122	70-130	
alpha-BHC	0.00500	0.00569	114	70-130	
alpha-Chlordane	0.00500	0.00651	130	70-130	
alpha-Chlordane	0.00500	0.00660	132	70-130	^
beta-BHC	0.00500	0.00666	133	70-130	^
beta-BHC	0.00500	0.00685	137	70-130	^
delta-BHC	0.00500	0.00620	124	70-130	
delta-BHC	0.00500	0.00603	121	70-130	
Dieldrin	0.00500	0.00656	131	70-130	^
Dieldrin	0.00500	0.00624	125	70-130	
Endosulfan I	0.00500	0.00678	136	70-130	^
Endosulfan I	0.00500	0.00666	133	70-130	^
Endosulfan II	0.00500	0.00616	123	70-130	
Endosulfan II	0.00500	0.00605	121	70-130	
Endosulfan sulfate	0.00500	0.00582	116	70-130	
Endosulfan sulfate	0.00500	0.00560	112	70-130	
Endrin	0.00500	0.00660	132	70-130	^
Endrin	0.00500	0.00621	124	70-130	
Endrin aldehyde	0.00500	0.00569	114	70-130	
Endrin aldehyde	0.00500	0.00575	115	70-130	
Endrin ketone	0.00500	0.00536	107	70-130	
Endrin ketone	0.00500	0.00509	102	70-130	
gamma-BHC (Lindane)	0.00500	0.00558	112	70-130	
gamma-BHC (Lindane)	0.00500	0.00541	108	70-130	
gamma-Chlordane	0.00500	0.00630	126	70-130	
gamma-Chlordane	0.00500	0.00617	123	70-130	
Heptachlor	0.00500	0.00589	118	70-130	
Heptachlor	0.00500	0.00593	119	70-130	
Heptachlor epoxide	0.00500	0.00683	137	70-130	^
Heptachlor epoxide	0.00500	0.00676	135	70-130	^
Methoxychlor	0.00500	0.00525 J	105	70-130	
Methoxychlor	0.00500	0.00476 J	95	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P9112910.D

Lab ID: 240-17477-6 MS Client ID: 079SS-0004M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
4,4'-DDD	33.1	33 U	33 U	0	30-135	J
4,4'-DDE	33.1	33 U	31.9 J	96	70-125	D
4,4'-DDT	33.1	33 U	33 U	0	45-140	J
Aldrin	33.1	66 U	66 U	NC	45-140	
alpha-BHC	33.1	66 U	66 U	NC	60-125	
alpha-Chlordane	33.1	66 U	66 U	NC	65-120	
beta-BHC	33.1	66 U	386	NC	60-125	D
delta-BHC	33.1	66 U	66 U	NC	55-130	
Dieldrin	33.1	33 U	31.3 J	94	65-125	D
Endosulfan I	33.1	33 U	33 U	0	15-135	J
Endosulfan II	33.1	66 U	66 U	NC	35-140	
Endosulfan sulfate	33.1	66 U	66 U	NC	60-135	
Endrin	33.1	33 U	31.2 J	94	60-135	D
Endrin aldehyde	33.1	66 U	66 U	NC	35-145	
Endrin ketone	33.1	33 U	31.7 J	96	65-135	D
gamma-BHC (Lindane)	33.1	66 U	45.5 J	NC	60-125	D
gamma-Chlordane	33.1	33 U	32.2 J	97	65-125	D
Heptachlor	33.1	66 U	66 U	NC	50-140	
Heptachlor epoxide	33.1	66 U	66 U	NC	65-130	J
Methoxychlor	33.1	160 U	160 U	NC	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P9112911.D

Lab ID: 240-17477-6 MSD Client ID: 079SS-0004M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	32.9	33 U	0	NC	30	30-135	J
4,4'-DDE	32.9	31.7 J	96	1	30	70-125	D
4,4'-DDT	32.9	33 U	0	NC	30	45-140	J
Aldrin	32.9	66 U	NC	NC	30	45-140	
alpha-BHC	32.9	66 U	NC	NC	30	60-125	
alpha-Chlordane	32.9	66 U	NC	NC	30	65-120	
beta-BHC	32.9	343	NC	12	30	60-125	D
delta-BHC	32.9	66 U	NC	NC	30	55-130	
Dieldrin	32.9	31.1 J	95	0	30	65-125	D
Endosulfan I	32.9	33 U	0	NC	30	15-135	J
Endosulfan II	32.9	66 U	NC	NC	30	35-140	
Endosulfan sulfate	32.9	66 U	NC	NC	30	60-135	
Endrin	32.9	30.0 J	91	4	30	60-135	D
Endrin aldehyde	32.9	66 U	NC	NC	30	35-145	
Endrin ketone	32.9	32.7 J	99	3	30	65-135	D
gamma-BHC (Lindane)	32.9	37.3 J	NC	20	30	60-125	D
gamma-Chlordane	32.9	32.8 J	100	2	30	65-125	D
Heptachlor	32.9	66 U	NC	NC	30	50-140	
Heptachlor epoxide	32.9	66 U	NC	NC	30	65-130	J
Methoxychlor	32.9	160 U	NC	NC	30	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: MB 240-65759/17-A

Matrix: Solid Date Extracted: 11/20/2012 11:21

Lab File ID:(1) P9112751.D Lab File ID:(2) P9112751.D

Date Analyzed:(1) 11/29/2012 00:47 Date Analyzed:(2) 11/29/2012 00:47

Instrument ID:(1) A2HP9 Instrument ID:(2) A2HP9

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-65759/18-A	11/28/2012 15:36	11/28/2012 15:36
079SS-0005M-0001-SO	240-17477-7	11/28/2012 20:43	11/28/2012 20:43
079SS-0004M-0001-SO	240-17477-6	11/29/2012 18:30	11/29/2012 18:30
079SS-0004M-0001-SO MS	240-17477-6 MS	11/29/2012 18:57	11/29/2012 18:57
079SS-0004M-0001-SO MSD	240-17477-6 MSD	11/29/2012 19:24	11/29/2012 19:24

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: STD 240-66500/7 Date Analyzed: 11/28/2012 04:47

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P9112707.D Heated Purge: (Y/N) N

Calibration ID: 12530

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				3.54	12.86	
UPPER LIMIT				3.57	12.89	
LOWER LIMIT				3.51	12.83	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD 240-66500/7 ICRT		11/28/2012 04:47	P9112707.D	3.54	12.86	
PEM 240-66500/29		11/28/2012 14:40	P9112729.D	3.54		
CCV 240-66500/30		11/28/2012 15:08	P9112730.D	3.54	12.86	
LCS 240-65759/18-A		11/28/2012 15:36	P9112731.D	3.54	12.86	
CCV 240-66500/41		11/28/2012 20:15	P9112741.D	3.54	12.86	
240-17477-7	079SS-0005M-0001-SO	11/28/2012 20:43	P9112742.D	3.54	12.86	
MB 240-65759/17-A		11/29/2012 00:47	P9112751.D	3.54	12.86	
CCV 240-66500/53		11/29/2012 01:41	P9112753.D	3.54	12.86	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: STD 240-66500/7 Date Analyzed: 11/28/2012 04:47

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P9112707.D Heated Purge: (Y/N) N

Calibration ID: 12531

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				4.14	14.33	
UPPER LIMIT				4.17	14.36	
LOWER LIMIT				4.11	14.30	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD 240-66500/7 ICRT		11/28/2012 04:47	P9112707.D	4.14	14.33	
PEM 240-66500/29		11/28/2012 14:40	P9112729.D	4.14		
CCV 240-66500/30		11/28/2012 15:08	P9112730.D	4.14	14.33	
LCS 240-65759/18-A		11/28/2012 15:36	P9112731.D	4.14	14.32	
CCV 240-66500/41		11/28/2012 20:15	P9112741.D	4.14	14.32	
240-17477-7	079SS-0005M-0001-SO	11/28/2012 20:43	P9112742.D	4.14	14.32	
MB 240-65759/17-A		11/29/2012 00:47	P9112751.D	4.14	14.32	
CCV 240-66500/53		11/29/2012 01:41	P9112753.D	4.14	14.32	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: CCV 240-66829/7 Date Analyzed: 11/29/2012 17:35

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P9112907.D Heated Purge: (Y/N) N

Calibration ID: 12530

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.54	12.86	
UPPER LIMIT				3.57	12.89	
LOWER LIMIT				3.51	12.83	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-66829/7 CCVRT		11/29/2012 17:35	P9112907.D	3.54	12.86	
240-17477-6	079SS-0004M-0001-SO	11/29/2012 18:30	P9112909.D	3.54	12.86	
240-17477-6 MS	079SS-0004M-0001-SO MS	11/29/2012 18:57	P9112910.D	3.54	12.86	
240-17477-6 MSD	079SS-0004M-0001-SO MSD	11/29/2012 19:24	P9112911.D	3.54	12.87	
CCV 240-66829/17		11/29/2012 22:04	P9112917.D	3.54	12.86	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: CCV 240-66829/7 Date Analyzed: 11/29/2012 17:35

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P9112907.D Heated Purge: (Y/N) N

Calibration ID: 12531

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.14	14.32	
UPPER LIMIT				4.17	14.35	
LOWER LIMIT				4.11	14.29	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-66829/7 CCVRT		11/29/2012 17:35	P9112907.D	4.14	14.32	
240-17477-6	079SS-0004M-0001-SO	11/29/2012 18:30	P9112909.D	4.14	14.32	
240-17477-6 MS	079SS-0004M-0001-SO MS	11/29/2012 18:57	P9112910.D	4.14	14.32	
240-17477-6 MSD	079SS-0004M-0001-SO MSD	11/29/2012 19:24	P9112911.D	4.14	14.33	
CCV 240-66829/17		11/29/2012 22:04	P9112917.D	4.14	14.32	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS Lab Sample ID: 240-17477-6 MS

Instrument ID (1): A2HP9 Instrument ID (2): A2HP9

Date Analyzed (1): 11/29/2012 18:57 Date Analyzed (2): 11/29/2012 18:57

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-Chlordane	1		7.27	7.24	7.30	32.2		0.0
	2		9.02	8.99	9.05	32.2		
4,4'-DDE	1		8.00	7.97	8.03	33.2		4.1
	2		9.78	9.76	9.82	31.9		
Dieldrin	1		8.45	8.43	8.49	30.7		1.9
	2		9.92	9.89	9.95	31.3		
Endrin	1		8.91	8.88	8.94	30.1		3.4
	2		10.44	10.41	10.47	31.2		
Endrin ketone	1		11.26	11.23	11.29	32.4		2.3
	2		12.55	12.52	12.58	31.7		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD Lab Sample ID: 240-17477-6 MSD

Instrument ID (1): A2HP9 Instrument ID (2): A2HP9

Date Analyzed (1): 11/29/2012 19:24 Date Analyzed (2): 11/29/2012 19:24

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-Chlordane	1		7.27	7.24	7.30	30.4		7.6
	2		9.02	8.99	9.05	32.8		
4,4'-DDE	1		8.00	7.97	8.03	33.0		4.1
	2		9.79	9.76	9.82	31.7		
Dieldrin	1		8.45	8.43	8.49	24.3		24.5
	2		9.92	9.89	9.95	31.1		
Endrin	1		8.91	8.88	8.94	28.3		6.0
	2		10.44	10.41	10.47	30.0		
Endrin ketone	1		11.26	11.23	11.29	33.5		2.5
	2		12.55	12.52	12.58	32.7		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-65759/18-A

Instrument ID (1): A2HP9 Instrument ID (2): A2HP9

Date Analyzed (1): 11/28/2012 15:36 Date Analyzed (2): 11/28/2012 15:36

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.23	4.20	4.26	36.1		0.5
	2		4.98	4.95	5.01	36.2		
gamma-BHC (Lindane)	1		4.61	4.58	4.64	35.9		6.1
	2		5.55	5.52	5.58	33.8		
beta-BHC	1		4.74	4.71	4.77	33.7		0.9
	2		5.73	5.70	5.76	33.4		
delta-BHC	1		4.96	4.93	4.99	38.9		3.7
	2		6.29	6.26	6.32	40.3		
Heptachlor	1		5.25	5.21	5.28	31.4		6.8
	2		6.39	6.36	6.43	29.4		
Aldrin	1		5.71	5.68	5.74	34.1		0.2
	2		7.13	7.10	7.16	34.2		
Heptachlor epoxide	1		6.96	6.93	6.99	36.9		6.4
	2		8.60	8.58	8.64	34.6		
gamma-Chlordane	1		7.28	7.25	7.31	35.1		5.8
	2		9.03	9.00	9.06	33.1		
alpha-Chlordane	1		7.63	7.59	7.65	33.5		0.5
	2		9.33	9.31	9.37	33.4		
Endosulfan I	1		7.90	7.87	7.93	27.1		6.8
	2		9.40	9.37	9.43	25.3		
4,4'-DDE	1		8.00	7.97	8.03	33.5		0.0
	2		9.79	9.76	9.82	33.5		
Dieldrin	1		8.46	8.43	8.49	36.3		3.4
	2		9.93	9.90	9.96	35.1		
Endrin	1		8.91	8.88	8.94	33.4		4.4
	2		10.45	10.42	10.48	32.0		
4,4'-DDD	1		9.27	9.23	9.29	35.3		13.8
	2		10.81	10.78	10.84	30.7		
Endosulfan II	1		9.35	9.33	9.39	28.4		7.7
	2		10.81	10.78	10.84	30.7		
4,4'-DDT	1		9.78	9.75	9.81	36.6		0.9
	2		11.29	11.26	11.32	36.3		
Endrin aldehyde	1		10.14	10.11	10.17	35.1		4.6
	2		11.38	11.36	11.42	33.5		
Methoxychlor	1		10.72	10.69	10.75	36.1		9.3
	2		12.37	12.34	12.40	32.8		
Endosulfan sulfate	1		10.86	10.83	10.89	38.2		2.5
	2		11.82	11.79	11.85	37.2		
Endrin ketone	1		11.26	11.23	11.29	33.3		2.9
	2		12.55	12.52	12.58	32.3		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO Lab Sample ID: 240-17477-6

Matrix: Solid Lab File ID: P9112909.D

Analysis Method: 8081/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:21

Sample wt/vol: 30.22(g) Date Analyzed: 11/29/2012 18:30

Con. Extract Vol.: 10(mL) Dilution Factor: 50

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66829 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	92		55-130
877-09-8	Tetrachloro-m-xylene	87		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112909.D
Lims ID: 240-17477-A-6-Q Client ID: 079SS-0004M-0001-SO
Inject. Date: 29-Nov-2012 18:30:12 Dil. Factor: 50.0000
Sample Type: Client
Sample ID: 240-0015403-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 66829 Lims Sample ID: 9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:31:53

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.539	3.540	-0.001	836089	0.000346			7
2	100	4.140	4.140	0.000	2931251	0.000412			7
						RPD = 17.48			
LOD = 0.000500									
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									1
1	100		4.012						
2	100		4.758						
5 alpha-BHC									1
1	100		4.224						
2	100		4.977						
20 gamma-BHC (Lindane)									1
1	100		4.605						
2	100		5.546						
7 beta-BHC									
1	100	4.733	4.738	-0.005	197525	0.000166			7
2	100	5.718	5.726	-0.008	7134533	0.001979			7
						RPD = 169.09			
LOD = 0.000500									
11 delta-BHC									1
1	100		4.956						
2	100		6.290						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.127						
1	2		6.000						
1	3		7.272						
1	4		7.617						
2	100		6.089						
2	2		7.622						
2	3		9.024						
2	4		9.332						
22 Heptachlor									1
1	100		5.242						
2	100		6.391						
4 Aldrin									1
1	100		5.703						
2	100		7.127						
25 Isodrin									1
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									1
1	100		6.960						
2	100		8.601						
21 gamma-Chlordane									1
1	100		7.273						
2	100		9.024						
6 alpha-Chlordane									1
1	100		7.623						
2	100		9.331						
14 Endosulfan I									1
1	100		7.895						
2	100		9.392						
2 4,4'-DDE									
1	100		7.996						
2	100		9.785						
13 Dieldrin									1
1	100		8.455						
2	100		9.924						
17 Endrin									1
1	100		8.908						
2	100		10.444						
26 Kepone									1
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100		9.265						
2	100		10.809						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									1
1	100		9.354						
2	100		10.809						
30 Toxaphene									
1	100		9.483						
1	2		10.024						
1	3		10.090						
1	4		10.671						
1	5		11.234						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.149						
2	5		12.534						
3 4,4'-DDT									1
1	100		9.781						
2	100		11.291						
18 Endrin aldehyde									1
1	100		10.142						
2	100		11.382						
28 Mirex									1
1	100		10.476						
2	100		12.377						
27 Methoxychlor									1
1	100		10.723						
2	100		12.365						
16 Endosulfan sulfate									1
1	100		10.861						
2	100		11.813						
19 Endrin ketone									1
1	100		11.260						
2	100		12.551						
$ 10 DCB Decachlorobiphenyl									M
1	100	12.864	12.862	0.002	755187	0.000366			7
2	100	14.323	14.324	-0.001	1724562	0.000364			7
						RPD = 0.50			

LOD = 0.000500

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

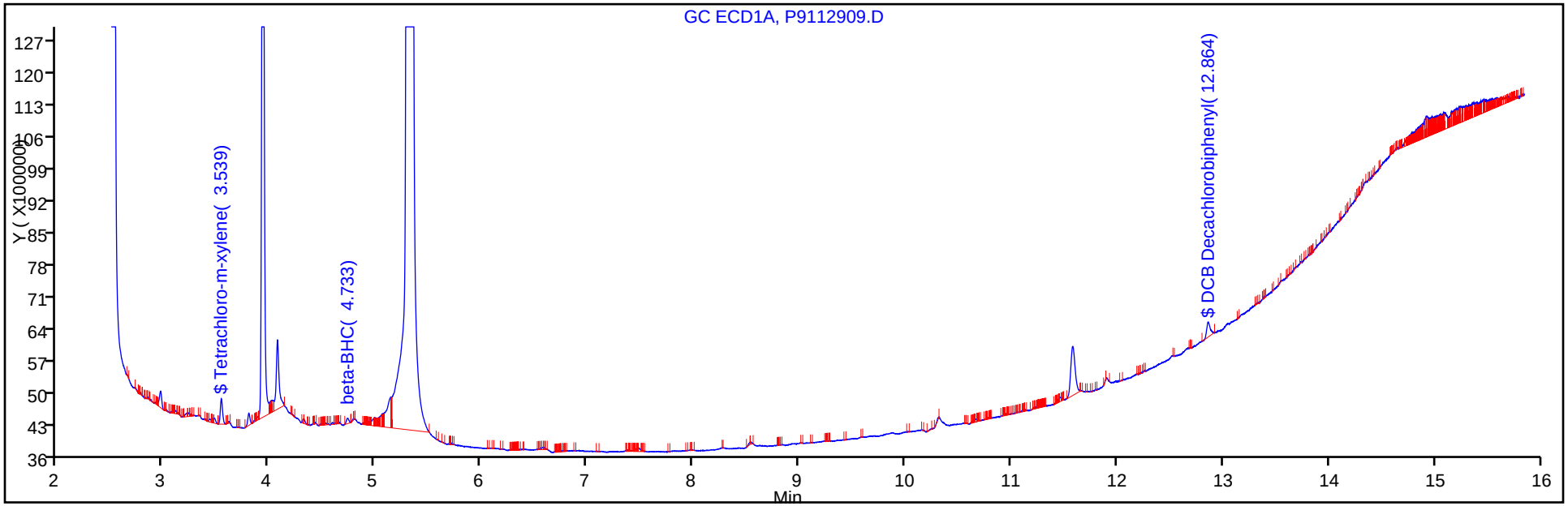
Review Flags
M - Manually Integrated

Report Date: 30-Nov-2012 12:11:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

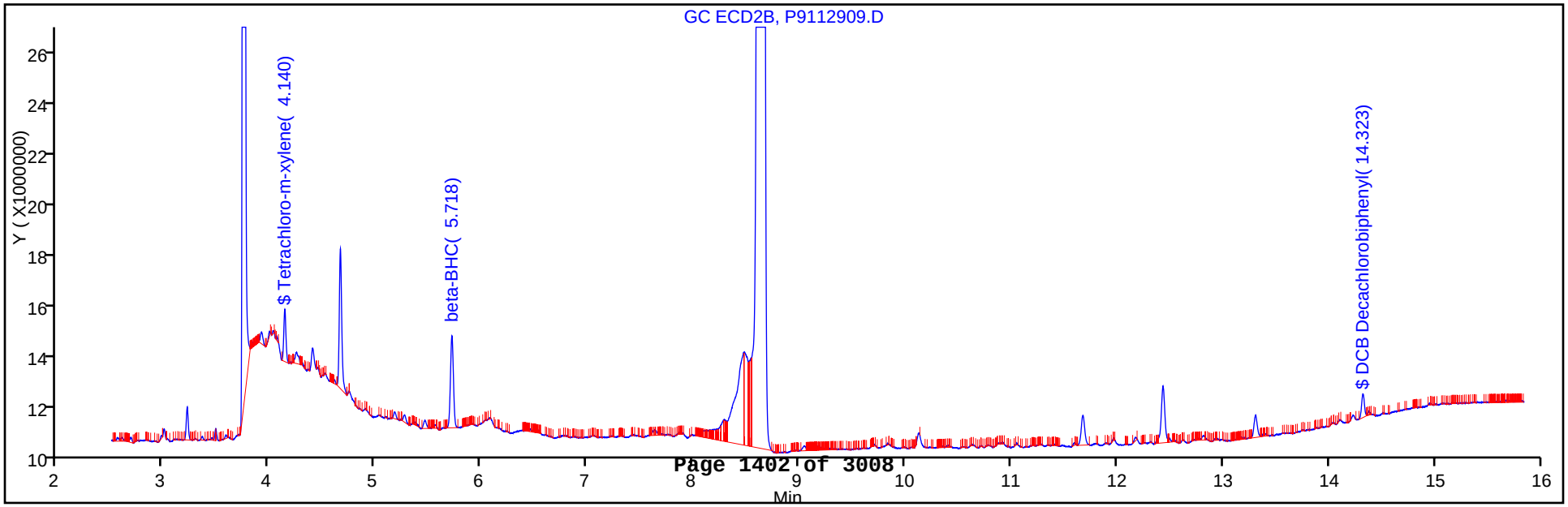
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112909.D		
Injection Date:	29-Nov-2012 18:30:12	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO | Lab Sample ID: 240-17477-6

Matrix: Solid | Lab File ID: P9112909.D

Analysis Method: 8081/DOD | Date Collected: 11/09/2012 11:10

Extraction Method: 3540C | Date Extracted: 11/20/2012 11:21

Sample wt/vol: 30.22(g) | Date Analyzed: 11/29/2012 18:30

Con. Extract Vol.: 10(mL) | Dilution Factor: 50

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66829 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	33	U J	99	33	31
72-55-9	4,4'-DDE	33	U	84	33	19
50-29-3	4,4'-DDT	33	U J	99	33	31
309-00-2	Aldrin	66	U	200	66	60
319-84-6	alpha-BHC	66	U	120	66	36
5103-71-9	alpha-Chlordane	66	U	150	66	47
319-85-7	beta-BHC	66	U	170	66	55
319-86-8	delta-BHC	66	U	200	66	60
60-57-1	Dieldrin	33	U	84	33	23
959-98-8	Endosulfan I	33	U J	84	33	26
33213-65-9	Endosulfan II	66	U	120	66	41
1031-07-8	Endosulfan sulfate	66	U	150	66	43
72-20-8	Endrin	33	U	84	33	25
7421-93-4	Endrin aldehyde	66	U	150	66	50
53494-70-5	Endrin ketone	33	U	99	33	31
58-89-9	gamma-BHC (Lindane)	66	U	120	66	37
5103-74-2	gamma-Chlordane	33	U	84	33	21
76-44-8	Heptachlor	66	U	170	66	55
1024-57-3	Heptachlor epoxide	66	U	120	66	40
72-43-5	Methoxychlor	160	U	250	160	74
8001-35-2	Toxaphene	990	U	3300	990	940

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	91		55-130
877-09-8	Tetrachloro-m-xylene	103		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112909.D
Lims ID: 240-17477-A-6-Q Client ID: 079SS-0004M-0001-SO
Inject. Date: 29-Nov-2012 18:30:12 Dil. Factor: 50.0000
Sample Type: Client
Sample ID: 240-0015403-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 66829 Lims Sample ID: 9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:31:53

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.539	3.540	-0.001	836089	0.000346			7
2	100	4.140	4.140	0.000	2931251	0.000412			7
						RPD = 17.48			
LOD = 0.000500									
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									1
1	100		4.012						
2	100		4.758						
5 alpha-BHC									1
1	100		4.224						
2	100		4.977						
20 gamma-BHC (Lindane)									1
1	100		4.605						
2	100		5.546						
7 beta-BHC									
1	100	4.733	4.738	-0.005	197525	0.000166			7
2	100	5.718	5.726	-0.008	7134533	0.001979			7
						RPD = 169.09			
LOD = 0.000500									
11 delta-BHC									1
1	100		4.956						
2	100		6.290						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.127						
1	2		6.000						
1	3		7.272						
1	4		7.617						
2	100		6.089						
2	2		7.622						
2	3		9.024						
2	4		9.332						
22 Heptachlor									1
1	100		5.242						
2	100		6.391						
4 Aldrin									1
1	100		5.703						
2	100		7.127						
25 Isodrin									1
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									1
1	100		6.960						
2	100		8.601						
21 gamma-Chlordane									1
1	100		7.273						
2	100		9.024						
6 alpha-Chlordane									1
1	100		7.623						
2	100		9.331						
14 Endosulfan I									1
1	100		7.895						
2	100		9.392						
2 4,4'-DDE									
1	100		7.996						
2	100		9.785						
13 Dieldrin									1
1	100		8.455						
2	100		9.924						
17 Endrin									1
1	100		8.908						
2	100		10.444						
26 Kepone									1
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100		9.265						
2	100		10.809						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									1
1	100		9.354						
2	100		10.809						
30 Toxaphene									
1	100		9.483						
1	2		10.024						
1	3		10.090						
1	4		10.671						
1	5		11.234						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.149						
2	5		12.534						
3 4,4'-DDT									1
1	100		9.781						
2	100		11.291						
18 Endrin aldehyde									1
1	100		10.142						
2	100		11.382						
28 Mirex									1
1	100		10.476						
2	100		12.377						
27 Methoxychlor									1
1	100		10.723						
2	100		12.365						
16 Endosulfan sulfate									1
1	100		10.861						
2	100		11.813						
19 Endrin ketone									1
1	100		11.260						
2	100		12.551						
$ 10 DCB Decachlorobiphenyl									M
1	100	12.864	12.862	0.002	755187	0.000366			7
2	100	14.323	14.324	-0.001	1724562	0.000364			7
						RPD = 0.50			

LOD = 0.000500

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

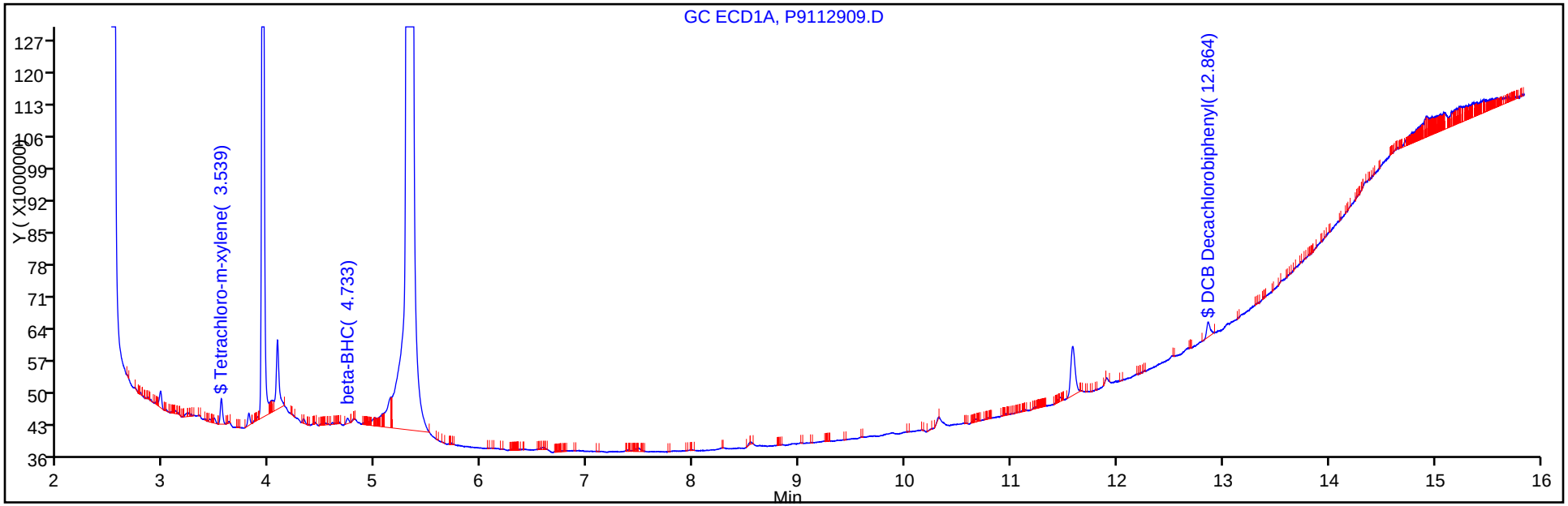
Review Flags
M - Manually Integrated

Report Date: 30-Nov-2012 12:11:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

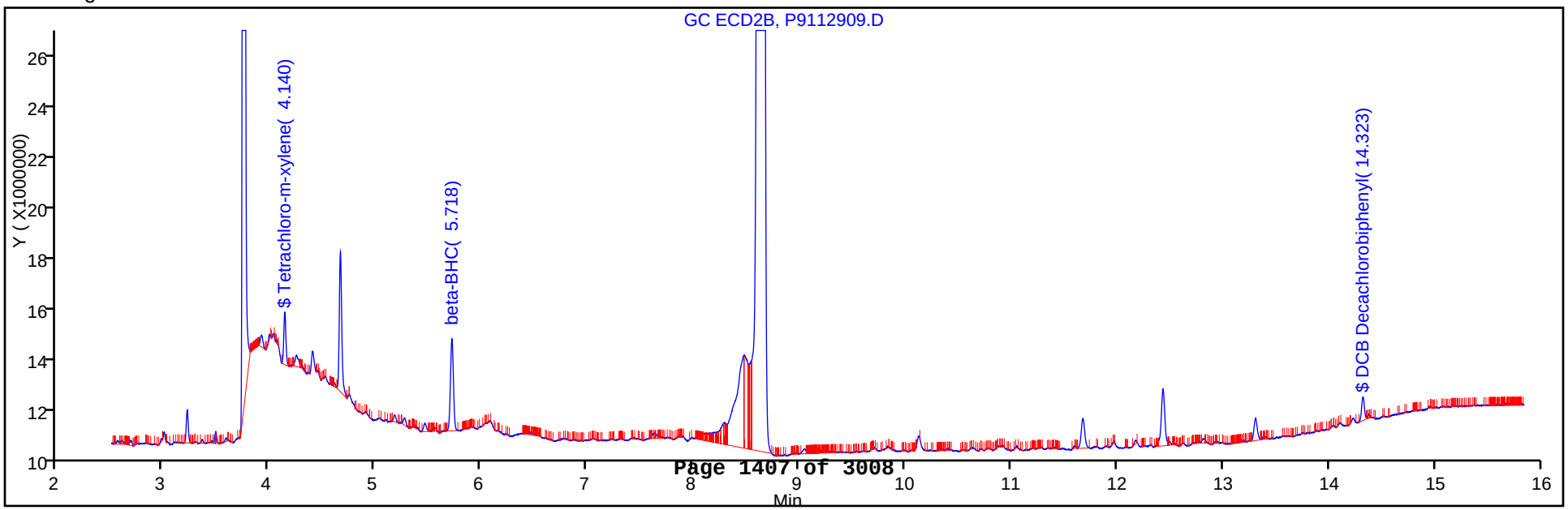
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112909.D		
Injection Date:	29-Nov-2012 18:30:12	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO Lab Sample ID: 240-17477-7

Matrix: Solid Lab File ID: P9112742.D

Analysis Method: 8081/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:21

Sample wt/vol: 29.96(g) Date Analyzed: 11/28/2012 20:43

Con. Extract Vol.: 10(mL) Dilution Factor: 10

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	127		55-130
877-09-8	Tetrachloro-m-xylene	104		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112742.D
Lims ID: 240-17477-A-7-F
Client ID: 079SS-0005M-0001-SO
Inject. Date: 28-Nov-2012 20:43:25
Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0015316-042
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 42
Lims Batch ID: 66500
Lims Sample ID: 42
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:47
Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc
Date: 29-Nov-2012 10:55:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	5025727	0.002080			
2	100	4.140	4.140	0.000	14460317	0.002034			
						RPD = 2.23			
5 alpha-BHC									
1	100		4.225						
2	100		4.978						
20 gamma-BHC (Lindane)									
1	100		4.605						
2	100		5.547						
7 beta-BHC									
1	100	4.732	4.738	-0.006	1942574	0.001630			
2	100	5.720	5.727	-0.007	157015361	0.0435			
						RPD = 185.57			
11 delta-BHC									
1	100		4.956						
2	100		6.292						
22 Heptachlor									
1	100		5.242						
2	100		6.393						
4 Aldrin									
1	100		5.704						
2	100		7.132						
23 Heptachlor epoxide									1
1	100		6.961						
2	100		8.605						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.275						
2	100		9.025						
6 alpha-Chlordane									
1	100		7.623						
2	100		9.333						
14 Endosulfan I									
1	100		7.897						
2	100		9.396						
2 4,4'-DDE									
1	100		7.995						
2	100		9.787						
13 Dieldrin									
1	100		8.455						
2	100		9.927						
17 Endrin									
1	100		8.908						
2	100		10.444						
1 4,4'-DDD									
1	100		9.264						
2	100		10.810						
15 Endosulfan II									
1	100		9.354						
2	100		10.810						
30 Toxaphene									
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100		9.780						
2	100		11.292						
18 Endrin aldehyde									
1	100		10.141						
2	100		11.383						
27 Methoxychlor									
1	100		10.722						
2	100		12.365						
16 Endosulfan sulfate									
1	100		10.861						
2	100		11.814						
19 Endrin ketone									
1	100		11.261						
2	100		12.552						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.862	0.001	5247511	0.002545			
2	100	14.323	14.324	-0.001	9640167	0.002037			
						RPD = 22.17			

QC Flag Legend

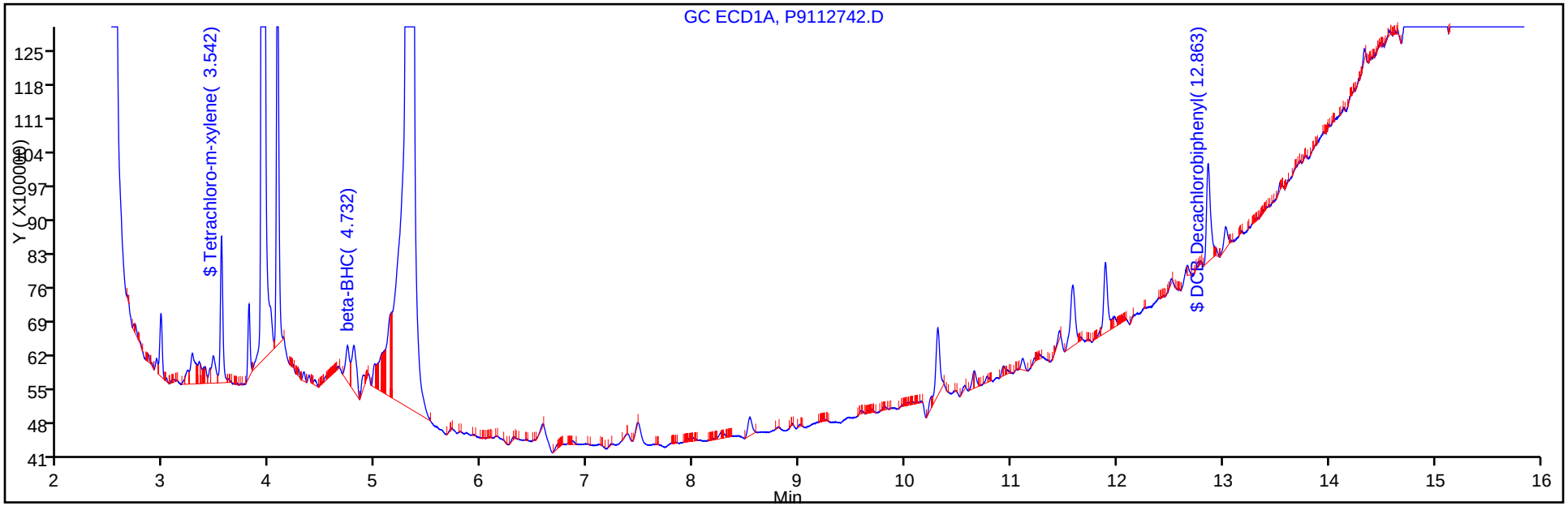
Processing Flags
1 - Missing Peaks

Report Date: 29-Nov-2012 11:21:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

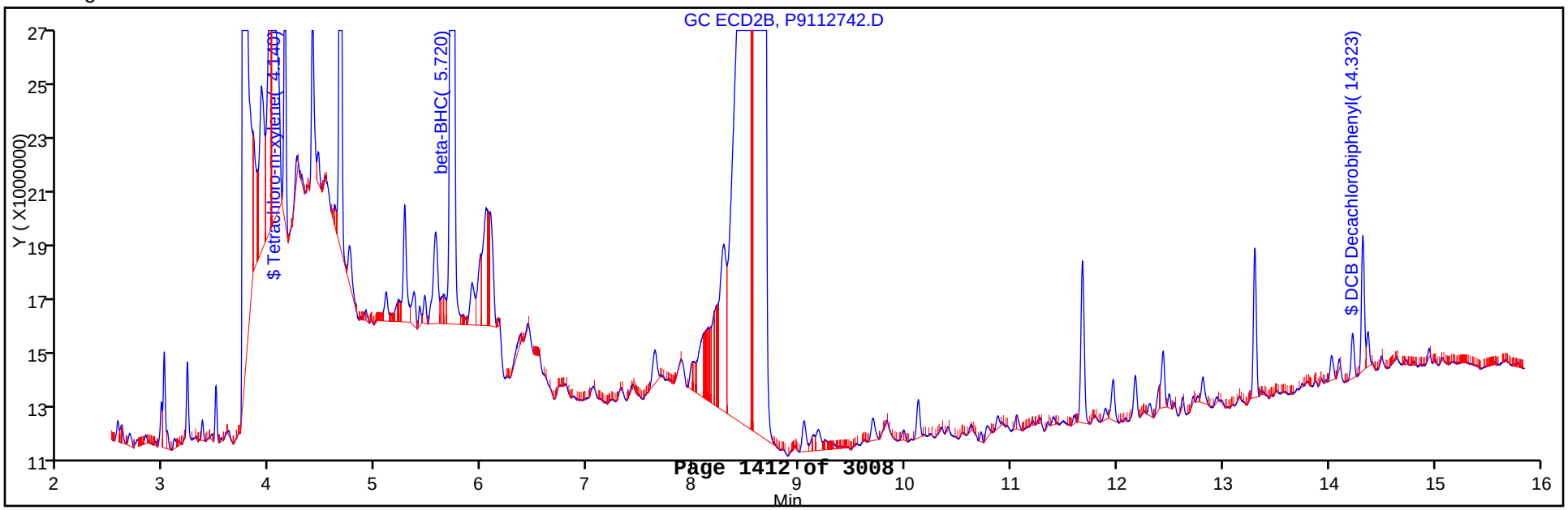
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112742.D		
Injection Date:	28-Nov-2012 20:43:25	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	42
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO | Lab Sample ID: 240-17477-7

Matrix: Solid | Lab File ID: P9112742.D

Analysis Method: 8081/DOD | Date Collected: 11/09/2012 11:10

Extraction Method: 3540C | Date Extracted: 11/20/2012 11:21

Sample wt/vol: 29.96(g) | Date Analyzed: 11/28/2012 20:43

Con. Extract Vol.: 10(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	6.7	U	20	6.7	6.2
72-55-9	4,4'-DDE	6.7	U	17	6.7	3.9
50-29-3	4,4'-DDT	6.7	U	20	6.7	6.3
309-00-2	Aldrin	13	U	40	13	12
319-84-6	alpha-BHC	13	U	25	13	7.3
5103-71-9	alpha-Chlordane	13	U	30	13	9.4
319-85-7	beta-BHC	150	D	35	13	11
319-86-8	delta-BHC	13	U	40	13	12
60-57-1	Dieldrin	6.7	U	17	6.7	4.7
959-98-8	Endosulfan I	6.7	U	17	6.7	5.2
33213-65-9	Endosulfan II	13	U	25	13	8.2
1031-07-8	Endosulfan sulfate	13	U	30	13	8.7
72-20-8	Endrin	6.7	U	17	6.7	5.0
7421-93-4	Endrin aldehyde	13	U	30	13	10
53494-70-5	Endrin ketone	6.7	U	20	6.7	6.3
58-89-9	gamma-BHC (Lindane)	13	U	25	13	7.4
5103-74-2	gamma-Chlordane	6.7	U	17	6.7	4.2
76-44-8	Heptachlor	13	U	35	13	11
1024-57-3	Heptachlor epoxide	13	U	25	13	8.0
72-43-5	Methoxychlor	33	U	50	33	15
8001-35-2	Toxaphene	200	U	670	200	190

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	102		55-130
877-09-8	Tetrachloro-m-xylene	102		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112742.D
Lims ID: 240-17477-A-7-F
Client ID: 079SS-0005M-0001-SO
Inject. Date: 28-Nov-2012 20:43:25
Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0015316-042
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 42
Lims Batch ID: 66500
Lims Sample ID: 42
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:47
Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc
Date: 29-Nov-2012 10:55:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	5025727	0.002080			
2	100	4.140	4.140	0.000	14460317	0.002034			
						RPD = 2.23			
5 alpha-BHC									
1	100		4.225						
2	100		4.978						
20 gamma-BHC (Lindane)									
1	100		4.605						
2	100		5.547						
7 beta-BHC									
1	100	4.732	4.738	-0.006	1942574	0.001630			
2	100	5.720	5.727	-0.007	157015361	0.0435			
						RPD = 185.57			
11 delta-BHC									
1	100		4.956						
2	100		6.292						
22 Heptachlor									
1	100		5.242						
2	100		6.393						
4 Aldrin									
1	100		5.704						
2	100		7.132						
23 Heptachlor epoxide									1
1	100		6.961						
2	100		8.605						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100		7.275						
2	100		9.025						
6 alpha-Chlordane									
1	100		7.623						
2	100		9.333						
14 Endosulfan I									
1	100		7.897						
2	100		9.396						
2 4,4'-DDE									
1	100		7.995						
2	100		9.787						
13 Dieldrin									
1	100		8.455						
2	100		9.927						
17 Endrin									
1	100		8.908						
2	100		10.444						
1 4,4'-DDD									
1	100		9.264						
2	100		10.810						
15 Endosulfan II									
1	100		9.354						
2	100		10.810						
30 Toxaphene									
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100		9.780						
2	100		11.292						
18 Endrin aldehyde									
1	100		10.141						
2	100		11.383						
27 Methoxychlor									
1	100		10.722						
2	100		12.365						
16 Endosulfan sulfate									
1	100		10.861						
2	100		11.814						
19 Endrin ketone									
1	100		11.261						
2	100		12.552						

Report Date: 29-Nov-2012 11:21:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112742.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.862	0.001	5247511	0.002545			
2	100	14.323	14.324	-0.001	9640167	0.002037			
						RPD = 22.17			

QC Flag Legend

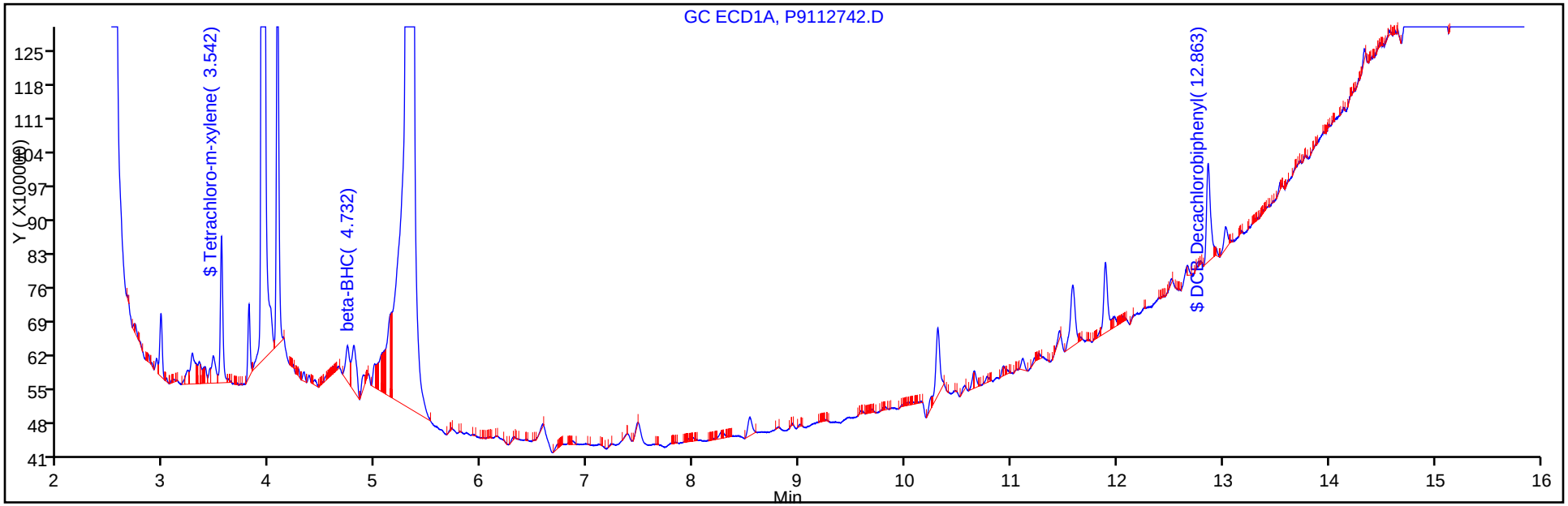
Processing Flags
1 - Missing Peaks

Report Date: 29-Nov-2012 11:21:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

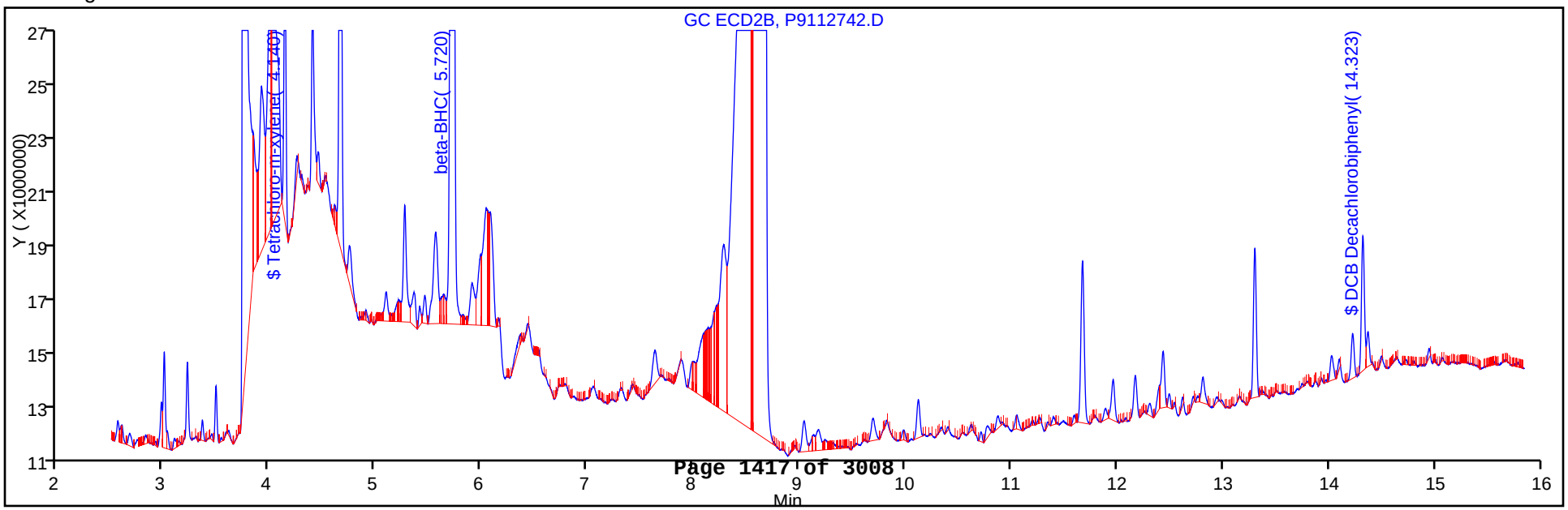
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112742.D		
Injection Date:	28-Nov-2012 20:43:25	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	42
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12530

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.226	4.224	4.225	4.224	4.218	4.225					4.195 - 4.255	4.224
gamma-BHC (Lindane)	4.606	4.605	4.605	4.604	4.597	4.604					4.575 - 4.635	4.604
beta-BHC	4.739	4.738	4.739	4.737	4.729	4.737					4.709 - 4.769	4.737
delta-BHC	4.958	4.957	4.957	4.955	4.948	4.955					4.927 - 4.987	4.955
Heptachlor	5.245	5.243	5.243	5.241	5.233	5.243					5.208 - 5.278	5.241
Aldrin	5.705	5.704	5.705	5.702	5.693	5.703					5.675 - 5.735	5.702
Heptachlor epoxide	6.962	6.961	6.961	6.957	6.946	6.959					6.931 - 6.991	6.958
gamma-Chlordane	7.277	7.274	7.275	7.270	7.257	7.270					7.245 - 7.305	7.271
alpha-Chlordane	7.625	7.625	7.623	7.619	7.606	7.621					7.593 - 7.653	7.620
Endosulfan I	7.898	7.899	7.896	7.894	7.883	7.895					7.866 - 7.926	7.894
4,4'-DDE	7.997	7.997	7.995	7.991	7.981	7.994					7.965 - 8.025	7.993
Dieldrin	8.456	8.458	8.455	8.452	8.442	8.452					8.425 - 8.485	8.453
Endrin	8.909	8.908	8.908	8.905	8.896	8.905					8.878 - 8.938	8.905
4,4'-DDD	9.264	9.266	9.263	9.259	9.253	9.260					9.233 - 9.293	9.261
Endosulfan II	9.354	9.354	9.353	9.352	9.343	9.352					9.323 - 9.383	9.351
4,4'-DDT	9.781	9.781	9.781	9.779	9.772	9.778					9.751 - 9.811	9.779
Endrin aldehyde	10.142	10.143	10.142	10.139	10.133	10.140					10.112 - 10.172	10.140
Methoxychlor	10.722	10.723	10.723	10.720	10.713	10.721					10.693 - 10.753	10.720
Endosulfan sulfate	10.862	10.862	10.860	10.859	10.853	10.860					10.830 - 10.890	10.859
Endrin ketone	11.261	11.262	11.260	11.258	11.254	11.259					11.230 - 11.290	11.259
Tetrachloro-m-xylene	3.542	3.542	3.542	3.540	3.535	3.541					3.512 - 3.572	3.540
DCB Decachlorobiphenyl	12.862	12.863	12.862	12.860	12.857	12.860					12.832 - 12.892	12.861

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12530

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	3072220800 3212940100	2719427900 3229881950	3412602720	3364929820	Ave		3168667215				7.9		20.0			
gamma-BHC (Lindane)	2641938200 2681054360	2301550400 2739367525	2962696680	2850830720	Ave		2696239648				8.4		20.0			
beta-BHC	1257401200 1142258930	1078473500 1160220790	1298659760	1215690380	Ave		1192117427				6.8		20.0			
delta-BHC	2387515400 2706049400	2117194500 2806590090	2828055160	2714859740	Ave		2593377382				11.0		20.0			
Heptachlor	2442415800 2375001620	2176665200 2361760795	2712120040	2553614980	Ave		2436929739				7.5		20.0			
Aldrin	3093402800 2946648320	2646259900 2903385890	3163233320	3049391520	Ave		2967053625				6.2		20.0			
Heptachlor epoxide	2567844000 2404021050	2231148000 2335065520	2704225640	2549536580	Ave		2465306798				7.0		20.0			
gamma-Chlordane	2643121600 2627853550	2333339600 2664229970	2863156040	2722167000	Ave		2642311293				6.6		20.0			
alpha-Chlordane	2790048000 2657673510	2423464800 2701470735	2939086360	2768776140	Ave		2713419924				6.3		20.0			
Endosulfan I	2413748200 2253517730	2131998900 2208633430	2588237680	2377952920	Ave		2329014810				7.1		20.0			
4,4'-DDE	3001152000 2879445290	2641545900 2868532060	3104477720	2872137700	Ave		2894548445				5.4		20.0			
Dieldrin	2453545400 2387691230	2181183300 2372876085	2658307720	2522409020	Ave		2429335459				6.6		20.0			
Endrin	2308823200 2193296060	2025983500 2109659200	2491992000	2270108680	Ave		2233310440				7.3		20.0			
4,4'-DDD	1771743200 1790410640	1581212000 1822341980	1981026320	1804697000	Ave		1791905190				7.1		20.0			
Endosulfan II	2168075000 2054054990	1959925700 2046053955	2389888360	2106677020	Ave		2120779171				7.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12530

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	1232040800 1465240840	1142102700 1610623455	1587218120	1483771480	Ave		1420166233				13.0		20.0			
Endrin aldehyde	1625267000 1532746040	1408187400 1527263480	1747653040	1605270240	Ave		1574397867				7.2		20.0			
Methoxychlor	653869400 663685960	601077200 687448875	770294760	701956600	Ave		679722133				8.3		20.0			
Endosulfan sulfate	1755246600 1678367710	1537196500 1721832225	1909657920	1760611460	Ave		1727152069				7.0		20.0			
Endrin ketone	1940995400 1812366440	1708912500 1860451370	2091163160	1943029720	Ave		1892819765				6.9		20.0			
Tetrachloro-m-xylene	2682951400 2330432890	2271317100 2266516475	2537401360	2406166000	Ave		2415797538				6.8		20.0			
DCB Decachlorobiphenyl	2146663000 2004498990	1877941400 2028925165	2188394680	2124339680	Ave		2061793819				5.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12530

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	15361104 645976390	27194279	85315068	168246491	321294010	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	13209691 547873505	23015504	74067417	142541536	268105436	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	6287006 232044158	10784735	32466494	60784519	114225893	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	11937577 561318018	21171945	70701379	135742987	270604940	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	12212079 472352159	21766652	67803001	127680749	237500162	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	15467014 580677178	26462599	79080833	152469576	294664832	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	12839220 467013104	22311480	67605641	127476829	240402105	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	13215608 532845994	23333396	71578901	136108350	262785355	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	13950240 540294147	24234648	73477159	138438807	265767351	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	12068741 441726686	21319989	64705942	118897646	225351773	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	15005760 573706412	26415459	77611943	143606885	287944529	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	12267727 474575217	21811833	66457693	126120451	238769123	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	11544116 421931840	20259835	62299800	113505434	219329606	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	8858716 364468396	15812120	49525658	90234850	179041064	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	10840375 409210791	19599257	59747209	105333851	205405499	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	6160204 322124691	11421027	39680453	74188574	146524084	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12530

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	8126335 305452696	14081874	43691326	80263512	153274604	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	3269347 137489775	6010772	19257369	35097830	66368596	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	8776233 344366445	15371965	47741448	88030573	167836771	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	9704977 372090274	17089125	52279079	97151486	181236644	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	13414757 453303295	22713171	63435034	120308300	233043289	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	10733315 405785033	18779414	54709867	106216984	200449899	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112705.D
Lims ID: STD AB L1 Client ID:
Inject. Date: 28-Nov-2012 03:51:54 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015316-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 66500 Lims Sample ID: 5
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:04 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	13414757	0.005553			
2	100	4.142	4.140	0.002	38477558	0.005413			
						RPD = 2.55			
5 alpha-BHC									
1	100	4.226	4.225	0.001	15361104	0.004848			
2	100	4.979	4.978	0.001	45880922	0.004616			
						RPD = 4.90			
20 gamma-BHC (Lindane)									
1	100	4.606	4.605	0.001	13209691	0.004899			
2	100	5.548	5.547	0.001	40744044	0.004913			
						RPD = 0.27			
7 beta-BHC									
1	100	4.739	4.739	0.000	6287006	0.005274			
2	100	5.728	5.726	0.002	20050606	0.005561			
						RPD = 5.30			
11 delta-BHC									
1	100	4.958	4.957	0.001	11937577	0.004603			
2	100	6.293	6.292	0.001	35683273	0.004510			
						RPD = 2.05			
22 Heptachlor									
1	100	5.245	5.243	0.002	12212079	0.005011			
2	100	6.394	6.394	0.000	38150625	0.005343			
						RPD = 6.40			
4 Aldrin									
1	100	5.705	5.705	0.000	15467014	0.005213			
2	100	7.132	7.130	0.002	43134430	0.005251			
						RPD = 0.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.962	6.961	0.001	12839220	0.005208			
2	100	8.606	8.603	0.003	36415112	0.005330			
						RPD = 2.32			
21 gamma-Chlordane									
1	100	7.277	7.275	0.002	13215608	0.005002			
2	100	9.027	9.024	0.003	36214483	0.005197			
						RPD = 3.83			
6 alpha-Chlordane									
1	100	7.625	7.623	0.002	13950240	0.005141			
2	100	9.335	9.334	0.001	37508878	0.005330			
						RPD = 3.60			
14 Endosulfan I									
1	100	7.898	7.896	0.002	12068741	0.005182			
2	100	9.396	9.396	0.000	31231668	0.005422			
						RPD = 4.54			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	15005760	0.005184			
2	100	9.787	9.785	0.002	38625674	0.005359			
						RPD = 3.33			
13 Dieldrin									
1	100	8.456	8.455	0.001	12267727	0.005050			
2	100	9.927	9.926	0.001	33112252	0.005241			
						RPD = 3.72			
17 Endrin									
1	100	8.909	8.908	0.001	11544116	0.005169			
2	100	10.447	10.445	0.002	30199271	0.005190			
						RPD = 0.41			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	8858716	0.004944			
2	100	10.812	10.810	0.002	50094640	0.005107			
						RPD = 3.24			
15 Endosulfan II									
1	100	9.354	9.353	0.001	10840375	0.005112			
2	100	10.812	10.810	0.002	50094640	0.005107			
						RPD = 0.09			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	6160204	0.004338			
2	100	11.292	11.292	0.000	14759503	0.004433			
						RPD = 2.17			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	8126335	0.005162			
2	100	11.384	11.383	0.001	20382540	0.005328			
						RPD = 3.17			
27 Methoxychlor									
1	100	10.722	10.723	-0.001	3269347	0.004810			
2	100	12.365	12.365	0.000	7963930	0.004791			
						RPD = 0.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	8776233	0.005081			
2	100	11.814	11.815	-0.001	21599739	0.005007			
						RPD = 1.48			
19 Endrin ketone									
1	100	11.261	11.260	0.001	9704977	0.005127			
2	100	12.552	12.552	0.000	22252726	0.005076			
						RPD = 1.01			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	10733315	0.005206			
2	100	14.325	14.325	0.000	25562349	0.005402			
						RPD = 3.70			

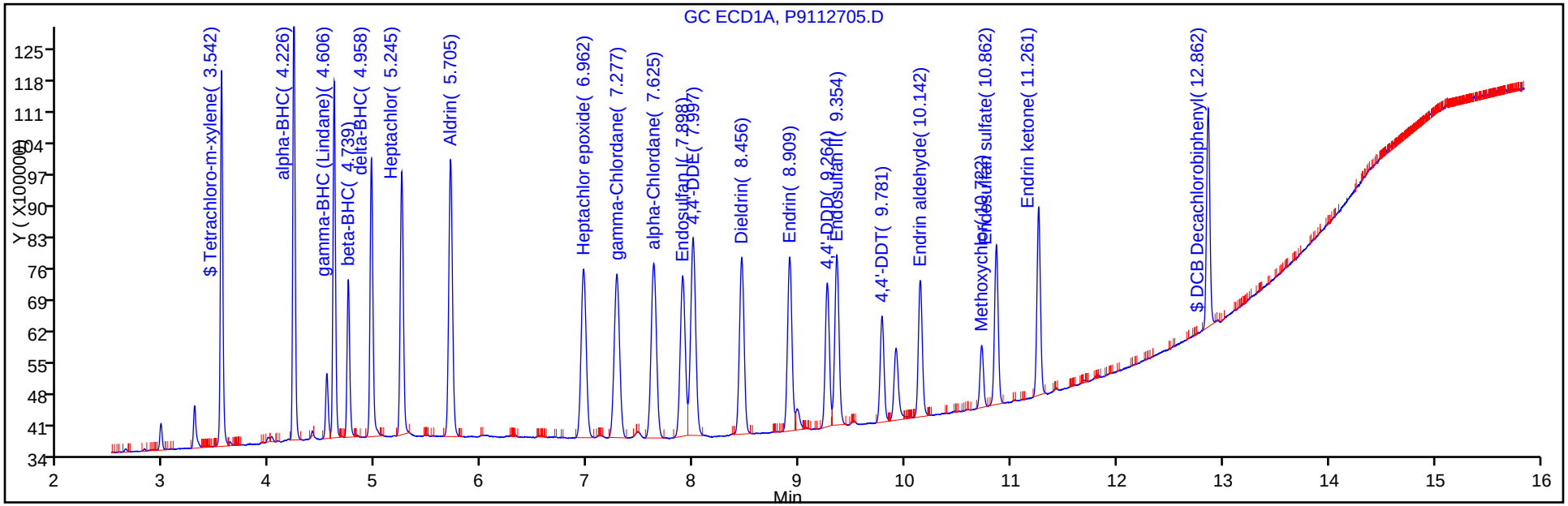
Report Date: 29-Nov-2012 09:55:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

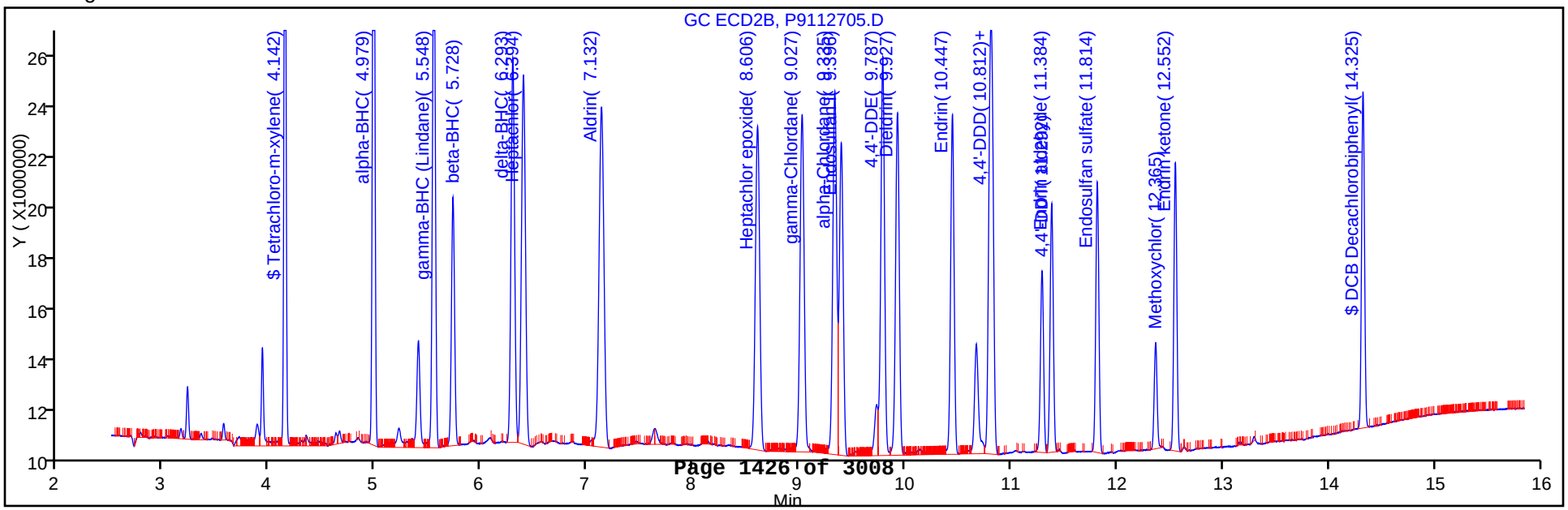
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112705.D

Injection Date:	28-Nov-2012 03:51:54	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112706.D
Lims ID: STD AB L2 Client ID:
Inject. Date: 28-Nov-2012 04:19:44 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015316-006
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 66500 Lims Sample ID: 6
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:06 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	22713171	0.009402			
2	100	4.141	4.140	0.001	64500423	0.009074			
						RPD = 3.54			
5 alpha-BHC									
1	100	4.224	4.225	-0.001	27194279	0.008582			
2	100	4.978	4.978	0.000	79808037	0.008029			
						RPD = 6.66			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	23015504	0.008536			
2	100	5.547	5.547	0.000	69180692	0.008341			
						RPD = 2.31			
7 beta-BHC									
1	100	4.738	4.739	-0.001	10784735	0.009047			
2	100	5.727	5.726	0.001	33394176	0.009262			
						RPD = 2.35			
11 delta-BHC									
1	100	4.957	4.957	0.000	21171945	0.008164			
2	100	6.292	6.292	0.000	63020479	0.007964			
						RPD = 2.47			
22 Heptachlor									
1	100	5.243	5.243	0.000	21766652	0.008932			
2	100	6.393	6.394	-0.001	64162690	0.008985			
						RPD = 0.60			
4 Aldrin									
1	100	5.704	5.705	-0.001	26462599	0.008919			
2	100	7.131	7.130	0.001	73080461	0.008896			
						RPD = 0.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	22311480	0.009050			
2	100	8.604	8.603	0.001	62217069	0.009107			
						RPD = 0.63			
21 gamma-Chlordane									
1	100	7.274	7.275	-0.001	23333396	0.008831			
2	100	9.024	9.024	0.000	61170902	0.008778			
						RPD = 0.60			
6 alpha-Chlordane									
1	100	7.625	7.623	0.002	24234648	0.008931			
2	100	9.334	9.334	0.000	62806867	0.008924			
						RPD = 0.08			
14 Endosulfan I									
1	100	7.899	7.896	0.003	21319989	0.009154			
2	100	9.396	9.396	0.000	52805057	0.009168			
						RPD = 0.15			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	26415459	0.009126			
2	100	9.787	9.785	0.002	63738283	0.008844			
						RPD = 3.14			
13 Dieldrin									
1	100	8.458	8.455	0.003	21811833	0.008979			
2	100	9.927	9.926	0.001	55758987	0.008826			
						RPD = 1.71			
17 Endrin									
1	100	8.908	8.908	0.000	20259835	0.009072			
2	100	10.445	10.445	0.000	51637931	0.008875			
						RPD = 2.20			
1 4,4'-DDD									
1	100	9.266	9.263	0.003	15812120	0.008824			
2	100	10.812	10.810	0.002	85792995	0.008746			
						RPD = 0.89			
15 Endosulfan II									
1	100	9.354	9.353	0.001	19599257	0.009242			
2	100	10.812	10.810	0.002	85792995	0.008746			
						RPD = 5.51			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	11421027	0.008042			
2	100	11.293	11.292	0.001	26815217	0.008053			
						RPD = 0.14			
18 Endrin aldehyde									
1	100	10.143	10.142	0.001	14081874	0.008944			
2	100	11.384	11.383	0.001	34825250	0.009103			
						RPD = 1.76			
27 Methoxychlor									
1	100	10.723	10.723	0.000	6010772	0.008843			
2	100	12.366	12.365	0.001	14395992	0.008661			
						RPD = 2.08			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	15371965	0.008900			
2	100	11.815	11.815	0.000	37147038	0.008610			
						RPD = 3.31			
19 Endrin ketone									
1	100	11.262	11.260	0.002	17089125	0.009028			
2	100	12.553	12.552	0.001	38398331	0.008758			
						RPD = 3.04			
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.862	0.001	18779414	0.009108			
2	100	14.324	14.325	-0.001	43182097	0.009125			
						RPD = 0.19			

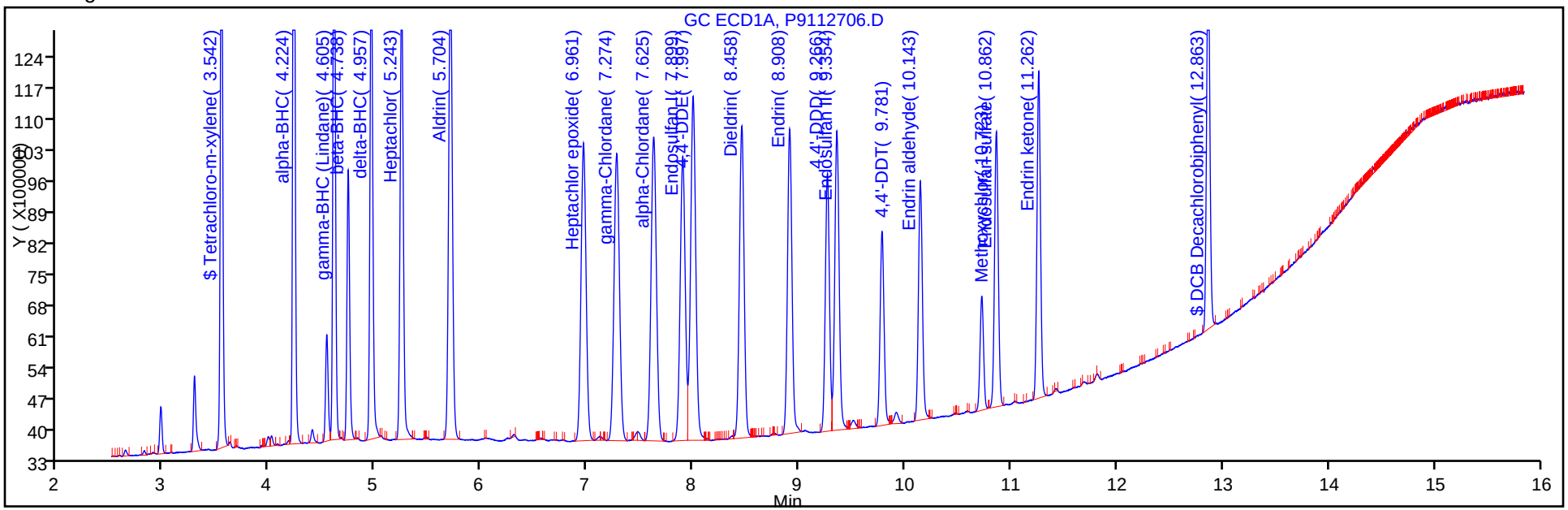
Report Date: 29-Nov-2012 09:55:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

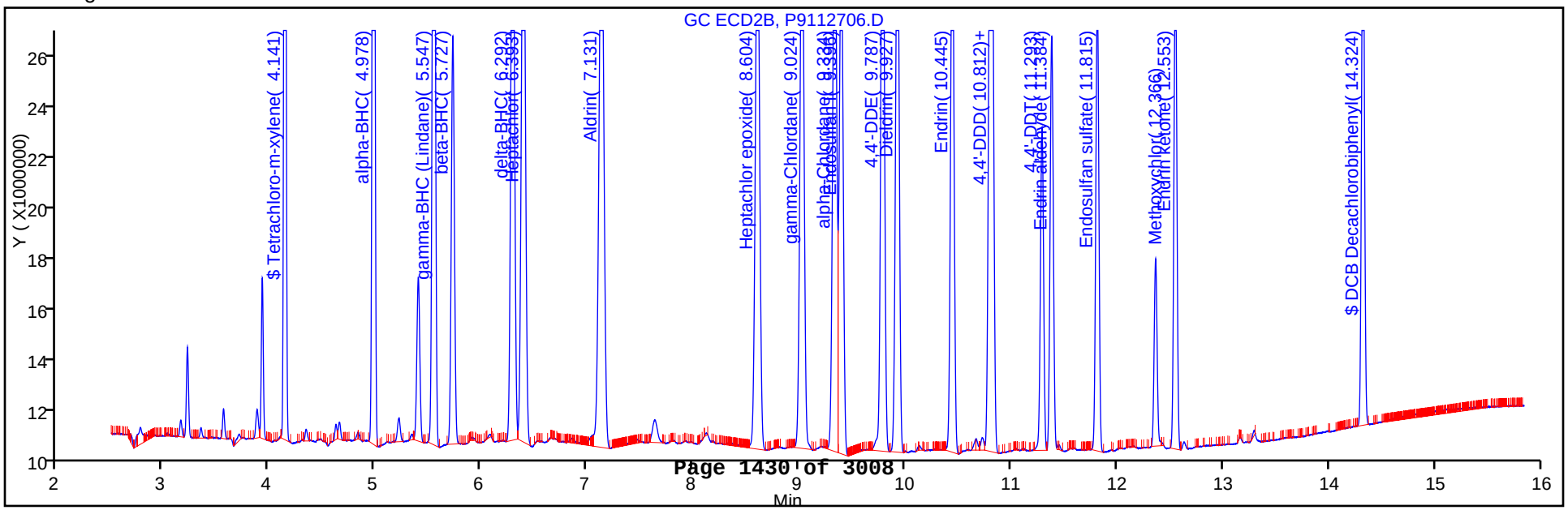
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112706.D

Injection Date:	28-Nov-2012 04:19:44	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112707.D		
Lims ID:	STD AB L3	Client ID:	
Inject. Date:	28-Nov-2012 04:47:25	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0015316-007		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	66500	Lims Sample ID:	7
Sublist:	chrom-PEST9*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:08	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:35:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	63435034	0.0263			
2	100	4.140	4.140	0.000	180187348	0.0254			
						RPD = 3.52			
5 alpha-BHC									
1	100	4.225	4.225	0.000	85315068	0.0269			
2	100	4.978	4.978	0.000	254049707	0.0256			
						RPD = 5.21			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	74067417	0.0275			
2	100	5.547	5.547	0.000	218126679	0.0263			
						RPD = 4.35			
7 beta-BHC									
1	100	4.739	4.739	0.000	32466494	0.0272			
2	100	5.726	5.726	0.000	95340345	0.0264			
						RPD = 2.95			
11 delta-BHC									
1	100	4.957	4.957	0.000	70701379	0.0273			
2	100	6.292	6.292	0.000	207159463	0.0262			
						RPD = 4.05			
22 Heptachlor									
1	100	5.243	5.243	0.000	67803001	0.0278			
2	100	6.394	6.394	0.000	192100308	0.0269			
						RPD = 3.37			
4 Aldrin									
1	100	5.705	5.705	0.000	79080833	0.0267			
2	100	7.130	7.130	0.000	212581974	0.0259			
						RPD = 2.95			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	67605641	0.0274			
2	100	8.603	8.603	0.000	181645390	0.0266			
						RPD = 3.09			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	71578901	0.0271			
2	100	9.024	9.024	0.000	184111406	0.0264			
						RPD = 2.50			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	73477159	0.0271			
2	100	9.334	9.334	0.000	185454175	0.0264			
						RPD = 2.73			
14 Endosulfan I									
1	100	7.896	7.896	0.000	64705942	0.0278			
2	100	9.396	9.396	0.000	154451497	0.0268			
						RPD = 3.54			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	77611943	0.0268			
2	100	9.785	9.785	0.000	185887305	0.0258			
						RPD = 3.88			
13 Dieldrin									
1	100	8.455	8.455	0.000	66457693	0.0274			
2	100	9.926	9.926	0.000	167524437	0.0265			
						RPD = 3.12			
17 Endrin									M
1	100	8.908	8.908	0.000	62299800	0.0279			M
2	100	10.445	10.445	0.000	157287734	0.0270			
						RPD = 3.15			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	49525658	0.0276			
2	100	10.810	10.810	0.000	263481096	0.0269			
						RPD = 2.86			
15 Endosulfan II									
1	100	9.353	9.353	0.000	59747209	0.0282			
2	100	10.810	10.810	0.000	263481096	0.0269			
						RPD = 4.77			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	39680453	0.0279			
2	100	11.292	11.292	0.000	90883351	0.0273			
						RPD = 2.34			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	43691326	0.0278			
2	100	11.383	11.383	0.000	103634534	0.0271			
						RPD = 2.42			
27 Methoxychlor									
1	100	10.723	10.723	0.000	19257369	0.0283			
2	100	12.365	12.365	0.000	44406284	0.0267			
						RPD = 5.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.860	0.000	47741448	0.0276			
2	100	11.815	11.815	0.000	114847519	0.0266			
						RPD = 3.76			
19 Endrin ketone									
1	100	11.260	11.260	0.000	52279079	0.0276			
2	100	12.552	12.552	0.000	117830988	0.0269			
						RPD = 2.73			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	54709867	0.0265			
2	100	14.325	14.325	0.000	120111413	0.0254			
						RPD = 4.44			

QC Flag Legend

Review Flags
M - Manually Integrated

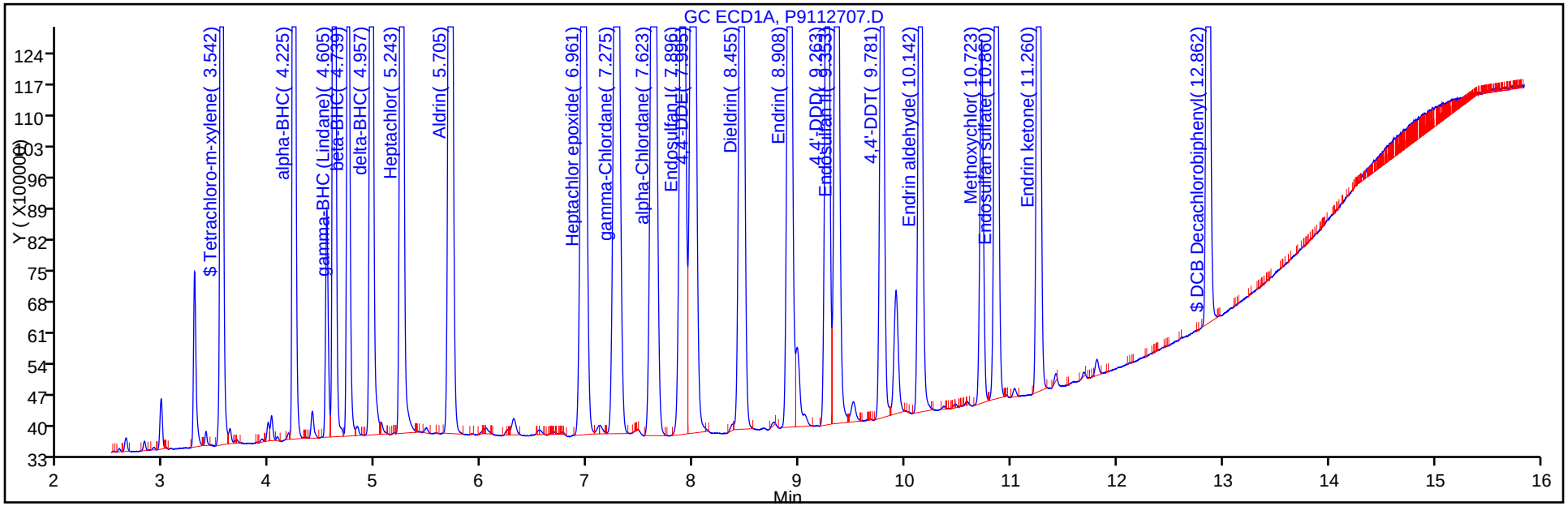
Report Date: 29-Nov-2012 09:55:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

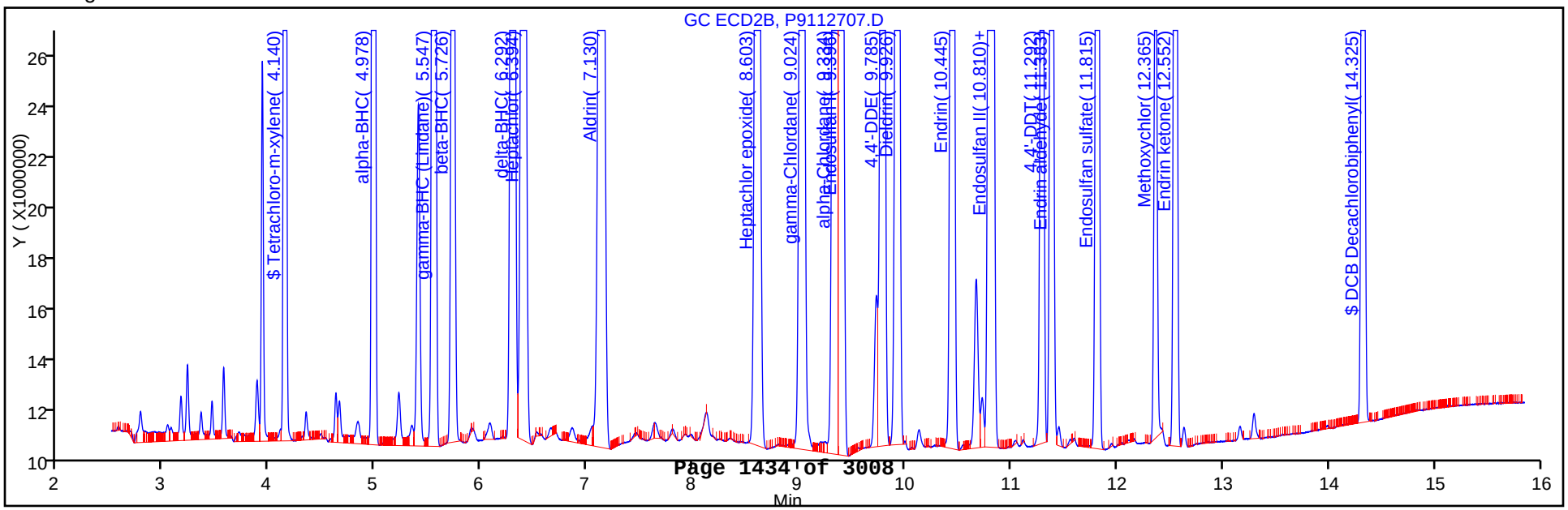
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112707.D

Injection Date:	28-Nov-2012 04:47:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

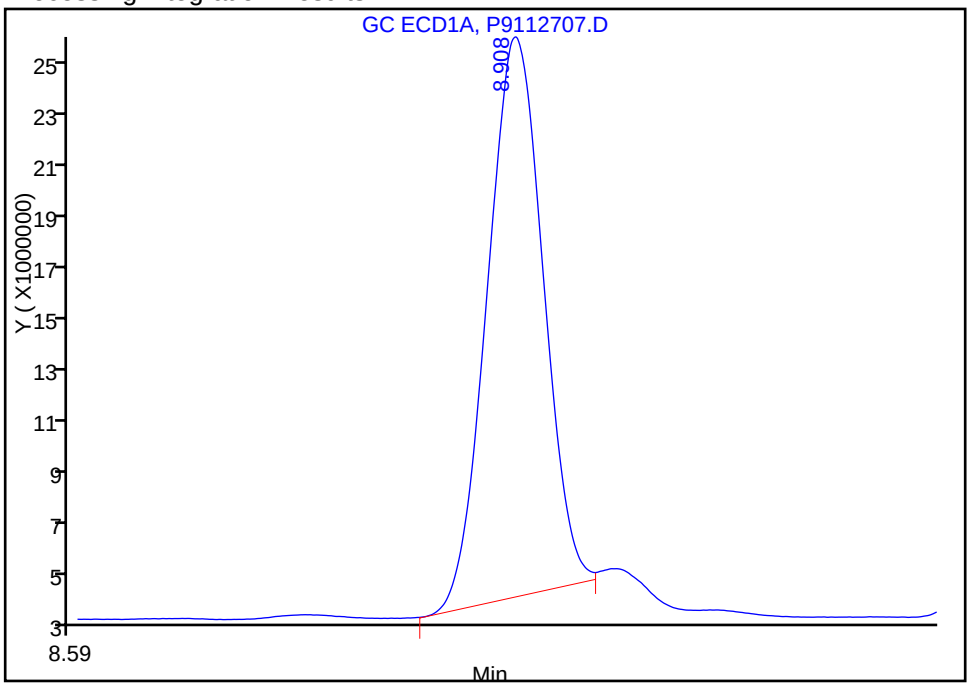
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112707.D		
Injection Date:	28-Nov-2012 04:47:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

17 Endrin, Signal: 1, Type: quant, RT: 8.91, Det: GC ECD1A

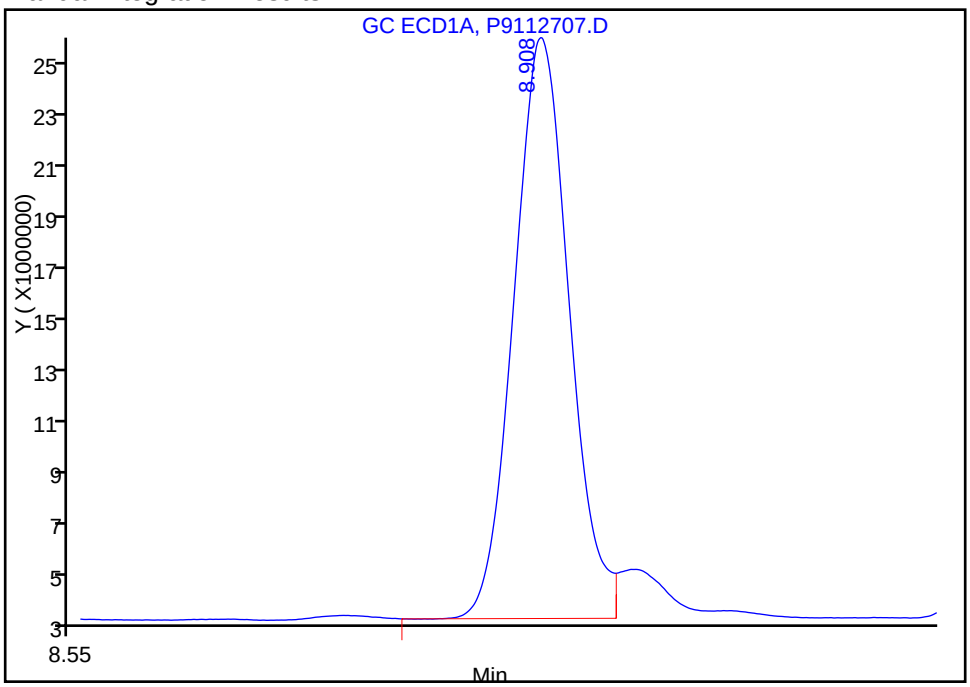
Processing Integration Results

RT: 8.91
Response: 57017849
Amount: 0.025940



Manual Integration Results

RT: 8.91
Response: 62299800
Amount: 0.027896



Reviewer: vandorenc, 29-Nov-2012 09:35:54
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112708.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 28-Nov-2012 05:11:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015316-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 66500 Lims Sample ID: 8
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.542	-0.002	120308300	0.0498			
2	100	4.141	4.140	0.001	349876507	0.0492			
						RPD = 1.17			
5 alpha-BHC									
1	100	4.224	4.225	-0.001	168246491	0.0531			
2	100	4.979	4.978	0.001	519423608	0.0523			
						RPD = 1.60			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	142541536	0.0529			
2	100	5.547	5.547	0.000	428834821	0.0517			
						RPD = 2.22			
7 beta-BHC									
1	100	4.737	4.739	-0.002	60784519	0.0510			
2	100	5.727	5.726	0.001	176468462	0.0489			
						RPD = 4.09			
11 delta-BHC									
1	100	4.955	4.957	-0.002	135742987	0.0523			
2	100	6.292	6.292	0.000	404010292	0.0511			
						RPD = 2.48			
22 Heptachlor									
1	100	5.241	5.243	-0.002	127680749	0.0524			
2	100	6.394	6.394	0.000	360935532	0.0505			
						RPD = 3.59			
4 Aldrin									
1	100	5.702	5.705	-0.003	152469576	0.0514			
2	100	7.129	7.130	-0.001	413421508	0.0503			
						RPD = 2.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.957	6.961	-0.004	127476829	0.0517			
2	100	8.603	8.603	0.000	342800046	0.0502			
						RPD = 3.01			
21 gamma-Chlordane									
1	100	7.270	7.275	-0.005	136108350	0.0515			
2	100	9.024	9.024	0.000	349561742	0.0502			
						RPD = 2.66			
6 alpha-Chlordane									
1	100	7.619	7.623	-0.004	138438807	0.0510			
2	100	9.333	9.334	-0.001	349426426	0.0496			
						RPD = 2.72			
14 Endosulfan I									
1	100	7.894	7.896	-0.002	118897646	0.0511			
2	100	9.395	9.396	-0.001	287158677	0.0499			
						RPD = 2.37			
2 4,4'-DDE									
1	100	7.991	7.995	-0.004	143606885	0.0496			
2	100	9.786	9.785	0.001	349697573	0.0485			
						RPD = 2.22			
13 Dieldrin									
1	100	8.452	8.455	-0.003	126120451	0.0519			
2	100	9.924	9.926	-0.002	319301367	0.0505			
						RPD = 2.68			
17 Endrin									
1	100	8.905	8.908	-0.003	113505434	0.0508			
2	100	10.444	10.445	-0.001	293523164	0.0504			
						RPD = 0.75			
1 4,4'-DDD									
1	100	9.259	9.263	-0.004	90234850	0.0504			
2	100	10.810	10.810	0.000	495476407	0.0505			
						RPD = 0.30			
15 Endosulfan II									
1	100	9.352	9.353	-0.001	105333851	0.0497			
2	100	10.810	10.810	0.000	495476407	0.0505			
						RPD = 1.68			
3 4,4'-DDT									
1	100	9.779	9.781	-0.002	74188574	0.0522			
2	100	11.291	11.292	-0.001	169067750	0.0508			
						RPD = 2.84			
18 Endrin aldehyde									
1	100	10.139	10.142	-0.003	80263512	0.0510			
2	100	11.383	11.383	0.000	188798122	0.0493			
						RPD = 3.25			
27 Methoxychlor									
1	100	10.720	10.723	-0.003	35097830	0.0516			
2	100	12.364	12.365	-0.001	86673844	0.0521			
						RPD = 0.98			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.859	10.860	-0.001	88030573	0.0510			
2	100	11.814	11.815	-0.001	215133295	0.0499			
						RPD = 2.19			
19 Endrin ketone									
1	100	11.258	11.260	-0.002	97151486	0.0513			
2	100	12.551	12.552	-0.001	221784391	0.0506			
						RPD = 1.45			
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.862	-0.002	106216984	0.0515			
2	100	14.324	14.325	-0.001	235265158	0.0497			
						RPD = 3.56			

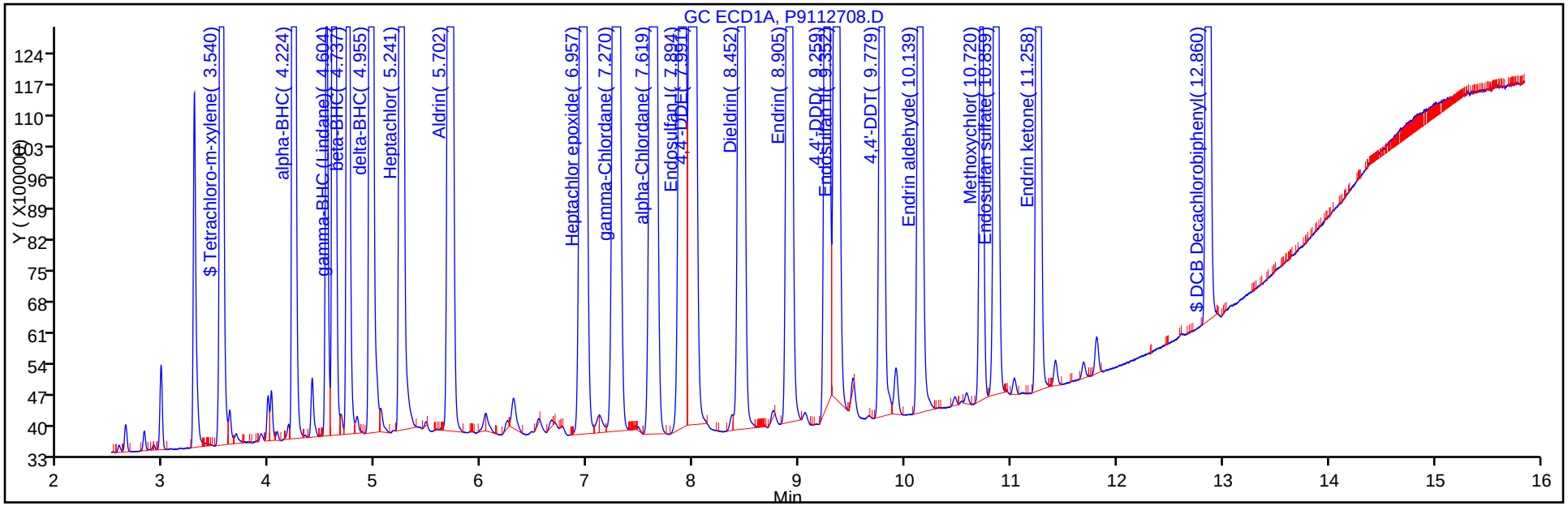
Report Date: 29-Nov-2012 09:55:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

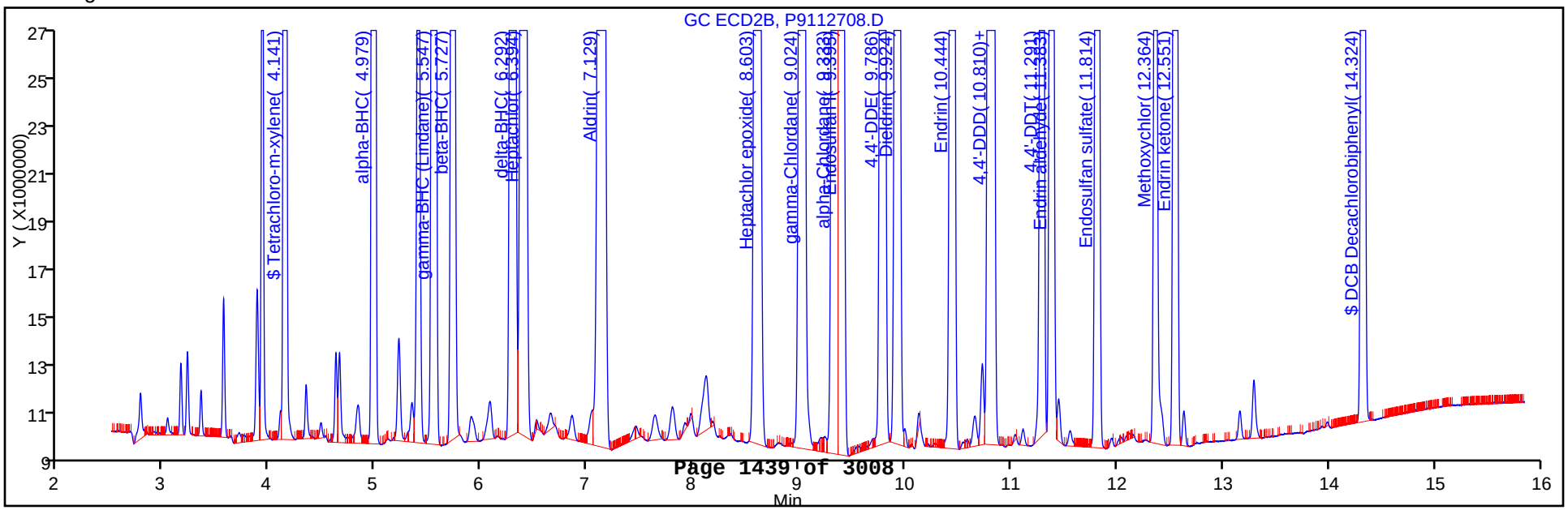
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112708.D

Injection Date:	28-Nov-2012 05:11:37	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112709.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 28-Nov-2012 05:30:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015316-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 66500 Lims Sample ID: 9
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:13 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.535	3.542	-0.007	233043289	0.0965			
2	100	4.144	4.140	0.004	705568169	0.0993			
						RPD = 2.86			
5 alpha-BHC									
1	100	4.218	4.225	-0.007	321294010	0.1014			
2	100	4.979	4.978	0.001	1050625042	0.1057			
						RPD = 4.15			
20 gamma-BHC (Lindane)									
1	100	4.597	4.605	-0.008	268105436	0.0994			
2	100	5.548	5.547	0.001	836258205	0.1008			
						RPD = 1.39			
7 beta-BHC									
1	100	4.729	4.739	-0.010	114225893	0.0958			
2	100	5.727	5.726	0.001	340246151	0.0944			
						RPD = 1.53			
11 delta-BHC									
1	100	4.948	4.957	-0.009	270604940	0.1043			
2	100	6.292	6.292	0.000	842988777	0.1065			
						RPD = 2.08			
22 Heptachlor									
1	100	5.233	5.243	-0.010	237500162	0.0975			
2	100	6.394	6.394	0.000	684656663	0.0959			
						RPD = 1.63			
4 Aldrin									
1	100	5.693	5.705	-0.012	294664832	0.0993			
2	100	7.128	7.130	-0.002	818825596	0.0997			
						RPD = 0.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.946	6.961	-0.015	240402105	0.0975			
2	100	8.601	8.603	-0.002	664094904	0.0972			
						RPD = 0.32			
21 gamma-Chlordane									
1	100	7.257	7.275	-0.018	262785355	0.0995			
2	100	9.024	9.024	0.000	686632957	0.0985			
						RPD = 0.93			
6 alpha-Chlordane									
1	100	7.606	7.623	-0.017	265767351	0.0979			
2	100	9.331	9.334	-0.003	686124779	0.0975			
						RPD = 0.47			
14 Endosulfan I									
1	100	7.883	7.896	-0.013	225351773	0.0968			
2	100	9.394	9.396	-0.002	553586037	0.0961			
						RPD = 0.67			
2 4,4'-DDE									
1	100	7.981	7.995	-0.014	287944529	0.0995			
2	100	9.784	9.785	-0.001	727184219	0.1009			
						RPD = 1.42			
13 Dieldrin									
1	100	8.442	8.455	-0.013	238769123	0.0983			
2	100	9.924	9.926	-0.002	622149707	0.0985			
						RPD = 0.20			
17 Endrin									
1	100	8.896	8.908	-0.012	219329606	0.0982			
2	100	10.443	10.445	-0.002	567059158	0.0975			
						RPD = 0.77			
1 4,4'-DDD									
1	100	9.253	9.263	-0.010	179041064	0.0999			
2	100	10.809	10.810	-0.001	968165240	0.0987			
						RPD = 1.23			
15 Endosulfan II									
1	100	9.343	9.353	-0.010	205405499	0.0969			
2	100	10.809	10.810	-0.001	968165240	0.0987			
						RPD = 1.88			
3 4,4'-DDT									
1	100	9.772	9.781	-0.009	146524084	0.1032			
2	100	11.290	11.292	-0.002	341723801	0.1026			
						RPD = 0.53			
18 Endrin aldehyde									
1	100	10.133	10.142	-0.009	153274604	0.0974			
2	100	11.382	11.383	-0.001	367992078	0.0962			
						RPD = 1.21			
27 Methoxychlor									
1	100	10.713	10.723	-0.010	66368596	0.0976			
2	100	12.364	12.365	-0.001	166024602	0.0999			
						RPD = 2.27			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.853	10.860	-0.007	167836771	0.0972			
2	100	11.814	11.815	-0.001	430525250	0.0998			
						RPD = 2.66			
19 Endrin ketone									
1	100	11.254	11.260	-0.006	181236644	0.0957			
2	100	12.551	12.552	-0.001	428298026	0.0977			
						RPD = 2.01			
$ 10 DCB Decachlorobiphenyl									
1	100	12.857	12.862	-0.005	200449899	0.0972			
2	100	14.322	14.325	-0.003	457702306	0.0967			
						RPD = 0.51			

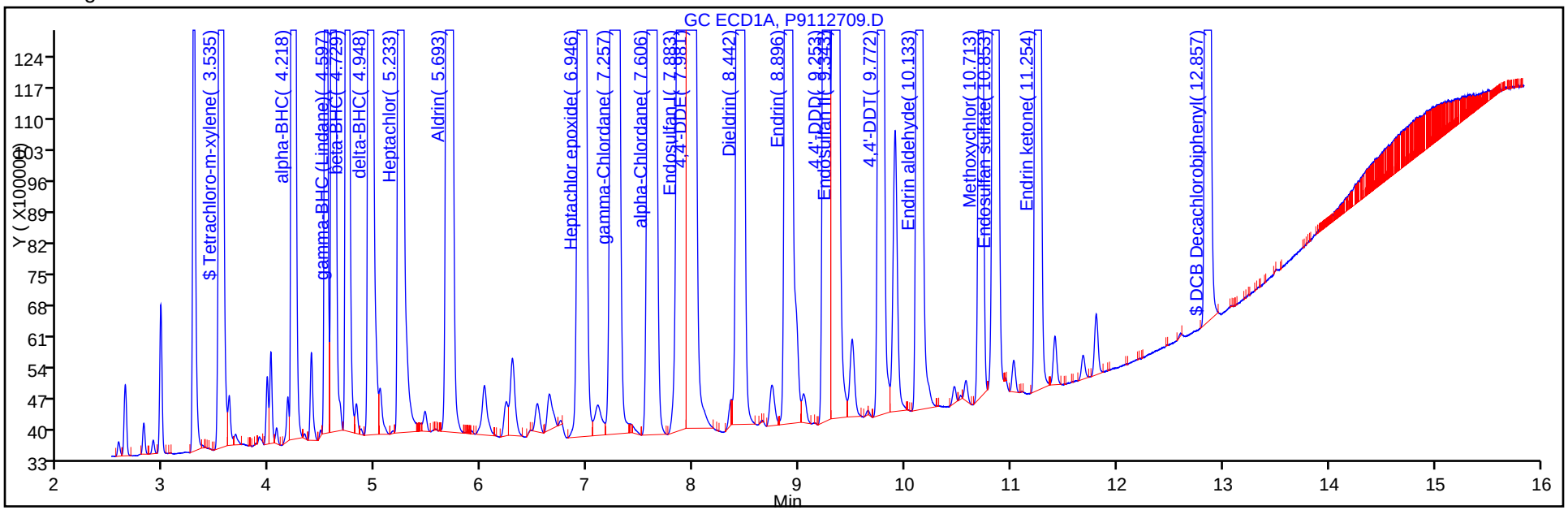
Report Date: 29-Nov-2012 09:55:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

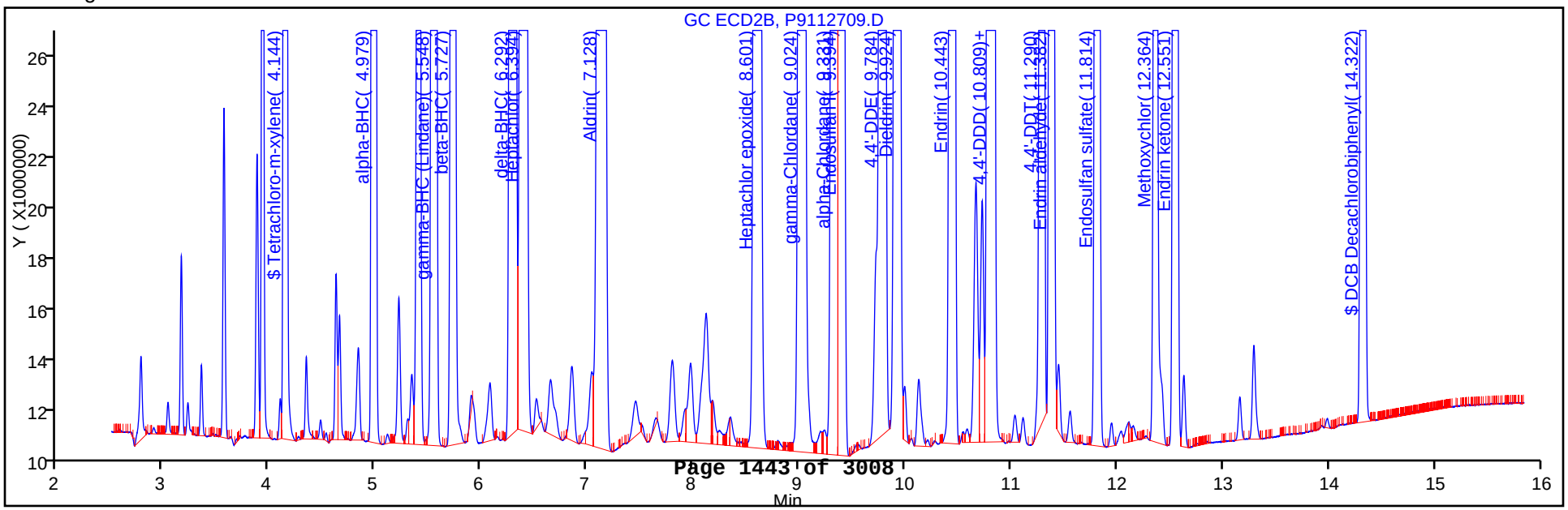
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112709.D

Injection Date:	28-Nov-2012 05:30:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112710.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 28-Nov-2012 05:55:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015316-010
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 66500 Lims Sample ID: 10
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:15 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.541	3.542	-0.001	453303295	0.1876			
2	100	4.142	4.140	0.002	1448221556	0.2037			
						RPD = 8.23			
5 alpha-BHC									
1	100	4.225	4.225	0.000	645976390	0.2039			
2	100	4.980	4.978	0.002	2285367453	0.2299			
						RPD = 12.01			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	547873505	0.2032			
2	100	5.548	5.547	0.001	1806076915	0.2178			
						RPD = 6.92			
7 beta-BHC									
1	100	4.737	4.739	-0.002	232044158	0.1946			
2	100	5.727	5.726	0.001	707677990	0.1963			
						RPD = 0.83			
11 delta-BHC									
1	100	4.955	4.957	-0.002	561318018	0.2164			
2	100	6.292	6.292	0.000	1848244996	0.2336			
						RPD = 7.62			
22 Heptachlor									
1	100	5.243	5.243	0.000	472352159	0.1938			
2	100	6.394	6.394	0.000	1409699760	0.1974			
						RPD = 1.83			
4 Aldrin									
1	100	5.703	5.705	-0.002	580677178	0.1957			
2	100	7.131	7.130	0.001	1679176514	0.2044			
						RPD = 4.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.959	6.961	-0.002	467013104	0.1894			
2	100	8.604	8.603	0.001	1344707940	0.1968			
						RPD = 3.83			
21 gamma-Chlordane									
1	100	7.270	7.275	-0.005	532845994	0.2017			
2	100	9.025	9.024	0.001	1446103331	0.2075			
						RPD = 2.86			
6 alpha-Chlordane									
1	100	7.621	7.623	-0.002	540294147	0.1991			
2	100	9.335	9.334	0.001	1435449896	0.2040			
						RPD = 2.40			
14 Endosulfan I									
1	100	7.895	7.896	-0.001	441726686	0.1897			
2	100	9.395	9.396	-0.001	1114942430	0.1936			
						RPD = 2.04			
2 4,4'-DDE									
1	100	7.994	7.995	-0.001	573706412	0.1982			
2	100	9.786	9.785	0.001	1488391863	0.2065			
						RPD = 4.11			
13 Dieldrin									
1	100	8.452	8.455	-0.003	474575217	0.1954			
2	100	9.925	9.926	-0.001	1279814987	0.2026			
						RPD = 3.63			
17 Endrin									
1	100	8.905	8.908	-0.003	421931840	0.1889			
2	100	10.445	10.445	0.000	1175172336	0.2020			
						RPD = 6.67			
1 4,4'-DDD									
1	100	9.260	9.263	-0.003	364468396	0.2034			
2	100	10.810	10.810	0.000	2025798167	0.2065			
						RPD = 1.52			
15 Endosulfan II									
1	100	9.352	9.353	-0.001	409210791	0.1930			
2	100	10.810	10.810	0.000	2025798167	0.2065			
						RPD = 6.79			
3 4,4'-DDT									
1	100	9.778	9.781	-0.003	322124691	0.2268			
2	100	11.291	11.292	-0.001	782127021	0.2349			
						RPD = 3.50			
18 Endrin aldehyde									
1	100	10.140	10.142	-0.002	305452696	0.1940			
2	100	11.383	11.383	0.000	758873285	0.1984			
						RPD = 2.22			
27 Methoxychlor									
1	100	10.721	10.723	-0.002	137489775	0.2023			
2	100	12.365	12.365	0.000	354136490	0.2131			
						RPD = 5.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.860	0.000	344366445	0.1994			
2	100	11.815	11.815	0.000	929753170	0.2155			
						RPD = 7.77			
19 Endrin ketone									
1	100	11.259	11.260	-0.001	372090274	0.1966			
2	100	12.551	12.552	-0.001	916522247	0.2091			
						RPD = 6.15			
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.862	-0.002	405785033	0.1968			
2	100	14.323	14.325	-0.002	974973426	0.2060			
						RPD = 4.58			

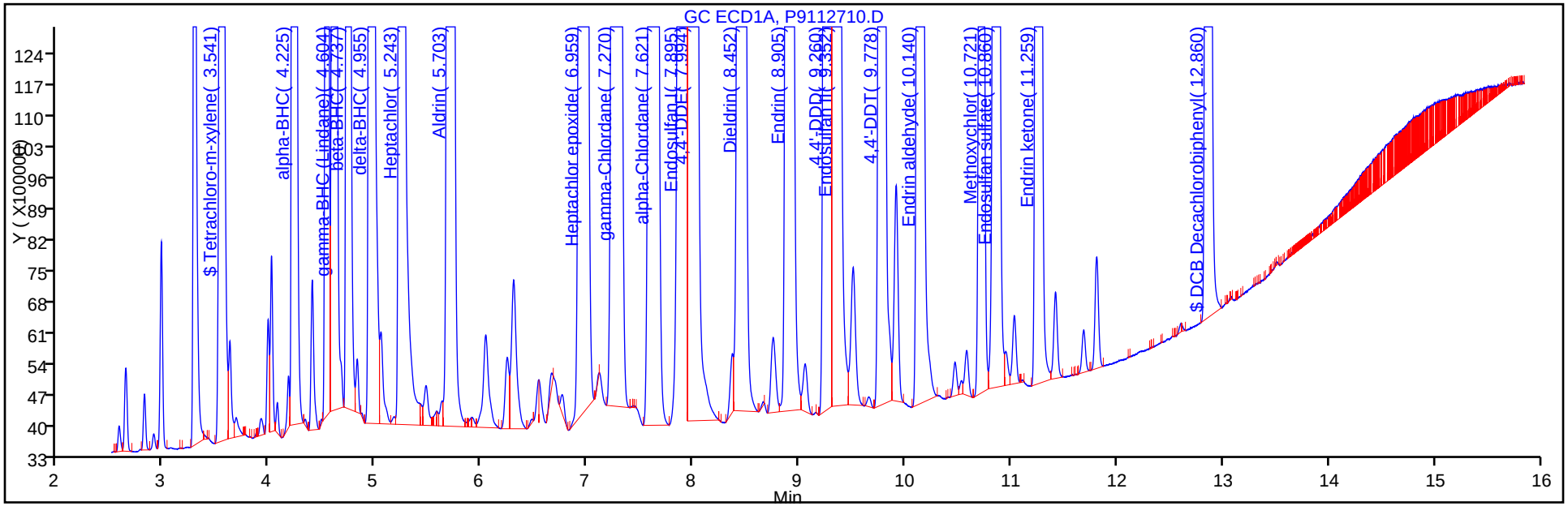
Report Date: 29-Nov-2012 09:55:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

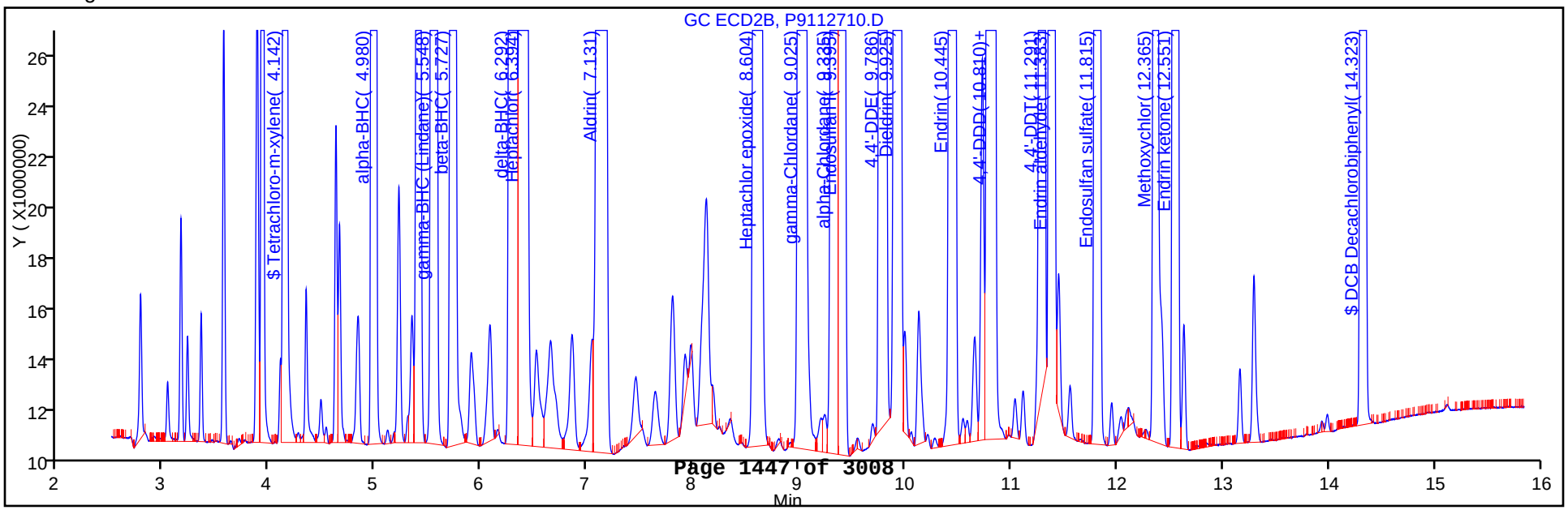
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112710.D

Injection Date:	28-Nov-2012 05:55:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12531

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.979	4.978	4.978	4.979	4.979	4.980					4.948 - 5.008	4.979
gamma-BHC (Lindane)	5.548	5.547	5.547	5.547	5.548	5.548					5.517 - 5.577	5.548
beta-BHC	5.728	5.727	5.726	5.727	5.727	5.727					5.696 - 5.756	5.727
delta-BHC	6.293	6.292	6.292	6.292	6.292	6.292					6.262 - 6.322	6.292
Heptachlor	6.394	6.393	6.394	6.394	6.394	6.394					6.359 - 6.429	6.394
Aldrin	7.132	7.131	7.130	7.129	7.128	7.131					7.100 - 7.160	7.130
Heptachlor epoxide	8.606	8.604	8.603	8.603	8.601	8.604					8.573 - 8.633	8.604
gamma-Chlordane	9.027	9.024	9.024	9.024	9.024	9.025					8.994 - 9.054	9.025
alpha-Chlordane	9.335	9.334	9.334	9.333	9.331	9.335					9.304 - 9.364	9.334
Endosulfan I	9.396	9.396	9.396	9.395	9.394	9.395					9.366 - 9.426	9.395
4,4'-DDE	9.787	9.787	9.785	9.786	9.784	9.786					9.755 - 9.815	9.786
Dieldrin	9.927	9.927	9.926	9.924	9.924	9.925					9.896 - 9.956	9.926
Endrin	10.447	10.445	10.445	10.444	10.443	10.445					10.415 - 10.475	10.445
4,4'-DDD	10.812	10.812	10.810	10.810	10.809	10.810					10.780 - 10.840	10.811
Endosulfan II	10.812	10.812	10.810	10.810	10.809	10.810					10.780 - 10.840	10.811
4,4'-DDT	11.292	11.293	11.292	11.291	11.290	11.291					11.262 - 11.322	11.292
Endrin aldehyde	11.384	11.384	11.383	11.383	11.382	11.383					11.353 - 11.413	11.383
Endosulfan sulfate	11.814	11.815	11.815	11.814	11.814	11.815					11.785 - 11.845	11.815
Methoxychlor	12.365	12.366	12.365	12.364	12.364	12.365					12.335 - 12.395	12.365
Endrin ketone	12.552	12.553	12.552	12.551	12.551	12.551					12.522 - 12.582	12.552
Tetrachloro-m-xylene	4.142	4.141	4.140	4.141	4.144	4.142					4.110 - 4.170	4.142
DCB Decachlorobiphenyl	14.325	14.324	14.325	14.324	14.322	14.323					14.295 - 14.355	14.324

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12531

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	9176184400 10506250420	7980803700 11426837265	10161988280	10388472160	Ave		9940089371				12.0		20.0			
gamma-BHC (Lindane)	8148808800 8362582050	6918069200 9030384575	8725067160	8576696420	Ave		8293601368				8.9		20.0			
beta-BHC	4010121200 3402461510	3339417600 3538389950	3813613800	3529369240	Ave		3605562217				7.1		20.0			
delta-BHC	7136654600 8429887770	6302047900 9241224980	8286378520	8080205840	Ave		7912733268				13.0		20.0			
Heptachlor	7630125000 6846566630	6416269000 7048498800	7684012320	7218710640	Ave		7140697065				6.7		20.0			
Aldrin	8626886000 8188255960	7308046100 8395882570	8503278960	8268430160	Ave		8215129958				5.7		20.0			
Heptachlor epoxide	7283022400 6640949040	6221706900 6723539700	7265815600	6856000920	Ave		6831839093				5.9		20.0			
gamma-Chlordane	7242896600 6866329570	6117090200 7230516655	7364456240	6991234840	Ave		6968754018				6.5		20.0			
alpha-Chlordane	7501775600 6861247790	6280686700 7177249480	7418167000	6988528520	Ave		7037942515				6.3		20.0			
Endosulfan I	6246333600 5535860370	5280505700 5574712150	6178059880	5743173540	Ave		5759774207				6.6		20.0			
4,4'-DDE	7725134800 7271842190	6373828300 7441959315	7435492200	6993951460	Ave		7207034711				6.6		20.0			
Dieldrin	6622450400 6221497070	5575898700 6399074935	6700977480	6386027340	Ave		6317654321				6.4		20.0			
Endrin	6039854200 5670591580	5163793100 5875861680	6291509360	5870463280	Ave		5818678867				6.6		20.0			
4,4'-DDD	1001892800 9681652400	8579299500 10128990835	10539243840	9909528140	Ave		9809607119				6.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12531

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Endosulfan II	1001892800 9681652400	8579299500 1012899083 5	1053924384 0	9909528140	Ave		9809607119				6.8		20.0			
4,4'-DDT	2951900600 3417238010	2681521700 3910635105	3635334040	3381355000	Ave		3329664076				13.0		20.0			
Endrin aldehyde	4076508000 3679920780	3482525000 3794366425	4145381360	3775962440	Ave		3825777334				6.5		20.0			
Endosulfan sulfate	4319947800 4305252500	3714703800 4648765850	4593900760	4302665900	Ave		4314206102				7.7		20.0			
Methoxychlor	1592786000 1660246020	1439599200 1770682450	1776251360	1733476880	Ave		1662173652				7.8		20.0			
Endrin ketone	4450545200 4282980260	3839833100 4582611235	4713239520	4435687820	Ave		4384149523				6.9		20.0			
Tetrachloro-m-xylene	7695511600 7055681690	6450042300 7241107780	7207493920	6997530140	Ave		7107894572				5.7		20.0			
DCB Decachlorobiphenyl	5112469800 4577023060	4318209700 4874867130	4804456520	4705303160	Ave		4732054895				5.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12531

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	45880922 2285367453	79808037	254049707	519423608	1050625042	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	40744044 1806076915	69180692	218126679	428834821	836258205	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	20050606 707677990	33394176	95340345	176468462	340246151	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	35683273 1848244996	63020479	207159463	404010292	842988777	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	38150625 1409699760	64162690	192100308	360935532	684656663	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	43134430 1679176514	73080461	212581974	413421508	818825596	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	36415112 1344707940	62217069	181645390	342800046	664094904	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	36214483 1446103331	61170902	184111406	349561742	686632957	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	37508878 1435449896	62806867	185454175	349426426	686124779	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	31231668 1114942430	52805057	154451497	287158677	553586037	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	38625674 1488391863	63738283	185887305	349697573	727184219	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	33112252 1279814987	55758987	167524437	319301367	622149707	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	30199271 1175172336	51637931	157287734	293523164	567059158	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	50094640 2025798167	85792995	263481096	495476407	968165240	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	50094640 2025798167	85792995	263481096	495476407	968165240	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	14759503 782127021	26815217	90883351	169067750	341723801	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12531

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	20382540 758873285	34825250	103634534	188798122	367992078	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	21599739 929753170	37147038	114847519	215133295	430525250	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	7963930 354136490	14395992	44406284	86673844	166024602	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	22252726 916522247	38398331	117830988	221784391	428298026	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	38477558 1448221556	64500423	180187348	349876507	705568169	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	25562349 974973426	43182097	120111413	235265158	457702306	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112705.D
Lims ID: STD AB L1 Client ID:
Inject. Date: 28-Nov-2012 03:51:54 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015316-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 66500 Lims Sample ID: 5
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:04 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	13414757	0.005553			
2	100	4.142	4.140	0.002	38477558	0.005413			
						RPD = 2.55			
5 alpha-BHC									
1	100	4.226	4.225	0.001	15361104	0.004848			
2	100	4.979	4.978	0.001	45880922	0.004616			
						RPD = 4.90			
20 gamma-BHC (Lindane)									
1	100	4.606	4.605	0.001	13209691	0.004899			
2	100	5.548	5.547	0.001	40744044	0.004913			
						RPD = 0.27			
7 beta-BHC									
1	100	4.739	4.739	0.000	6287006	0.005274			
2	100	5.728	5.726	0.002	20050606	0.005561			
						RPD = 5.30			
11 delta-BHC									
1	100	4.958	4.957	0.001	11937577	0.004603			
2	100	6.293	6.292	0.001	35683273	0.004510			
						RPD = 2.05			
22 Heptachlor									
1	100	5.245	5.243	0.002	12212079	0.005011			
2	100	6.394	6.394	0.000	38150625	0.005343			
						RPD = 6.40			
4 Aldrin									
1	100	5.705	5.705	0.000	15467014	0.005213			
2	100	7.132	7.130	0.002	43134430	0.005251			
						RPD = 0.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.962	6.961	0.001	12839220	0.005208			
2	100	8.606	8.603	0.003	36415112	0.005330			
						RPD = 2.32			
21 gamma-Chlordane									
1	100	7.277	7.275	0.002	13215608	0.005002			
2	100	9.027	9.024	0.003	36214483	0.005197			
						RPD = 3.83			
6 alpha-Chlordane									
1	100	7.625	7.623	0.002	13950240	0.005141			
2	100	9.335	9.334	0.001	37508878	0.005330			
						RPD = 3.60			
14 Endosulfan I									
1	100	7.898	7.896	0.002	12068741	0.005182			
2	100	9.396	9.396	0.000	31231668	0.005422			
						RPD = 4.54			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	15005760	0.005184			
2	100	9.787	9.785	0.002	38625674	0.005359			
						RPD = 3.33			
13 Dieldrin									
1	100	8.456	8.455	0.001	12267727	0.005050			
2	100	9.927	9.926	0.001	33112252	0.005241			
						RPD = 3.72			
17 Endrin									
1	100	8.909	8.908	0.001	11544116	0.005169			
2	100	10.447	10.445	0.002	30199271	0.005190			
						RPD = 0.41			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	8858716	0.004944			
2	100	10.812	10.810	0.002	50094640	0.005107			
						RPD = 3.24			
15 Endosulfan II									
1	100	9.354	9.353	0.001	10840375	0.005112			
2	100	10.812	10.810	0.002	50094640	0.005107			
						RPD = 0.09			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	6160204	0.004338			
2	100	11.292	11.292	0.000	14759503	0.004433			
						RPD = 2.17			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	8126335	0.005162			
2	100	11.384	11.383	0.001	20382540	0.005328			
						RPD = 3.17			
27 Methoxychlor									
1	100	10.722	10.723	-0.001	3269347	0.004810			
2	100	12.365	12.365	0.000	7963930	0.004791			
						RPD = 0.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	8776233	0.005081			
2	100	11.814	11.815	-0.001	21599739	0.005007			
						RPD = 1.48			
19 Endrin ketone									
1	100	11.261	11.260	0.001	9704977	0.005127			
2	100	12.552	12.552	0.000	22252726	0.005076			
						RPD = 1.01			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	10733315	0.005206			
2	100	14.325	14.325	0.000	25562349	0.005402			
						RPD = 3.70			

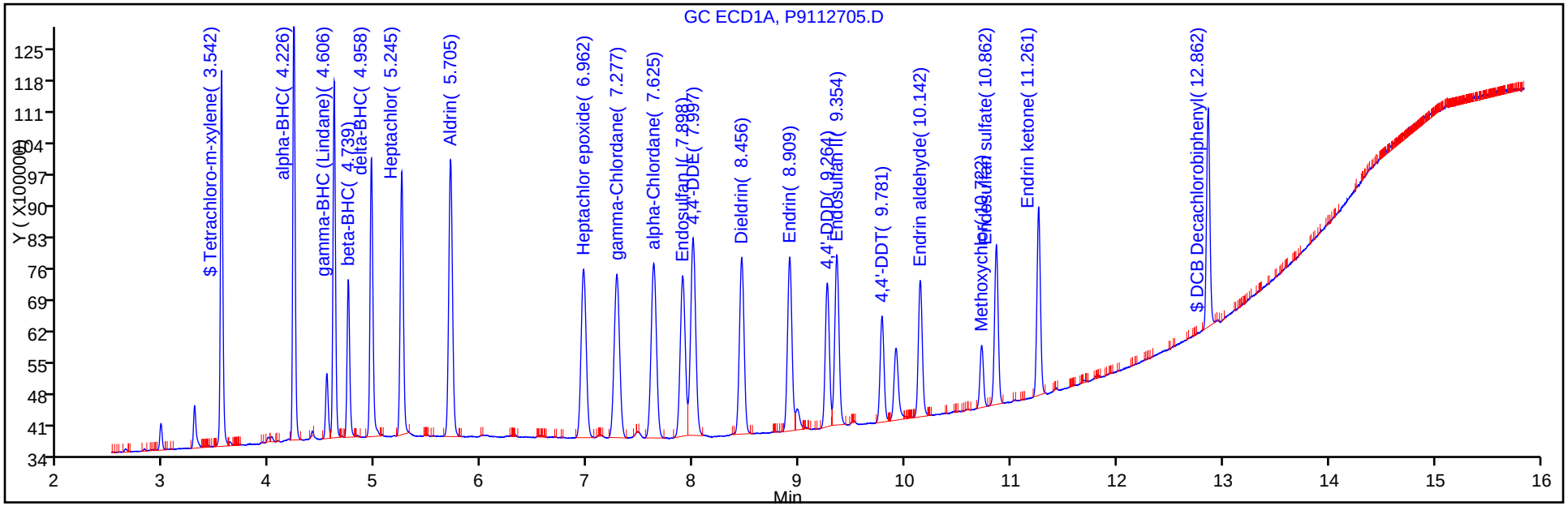
Report Date: 29-Nov-2012 09:55:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

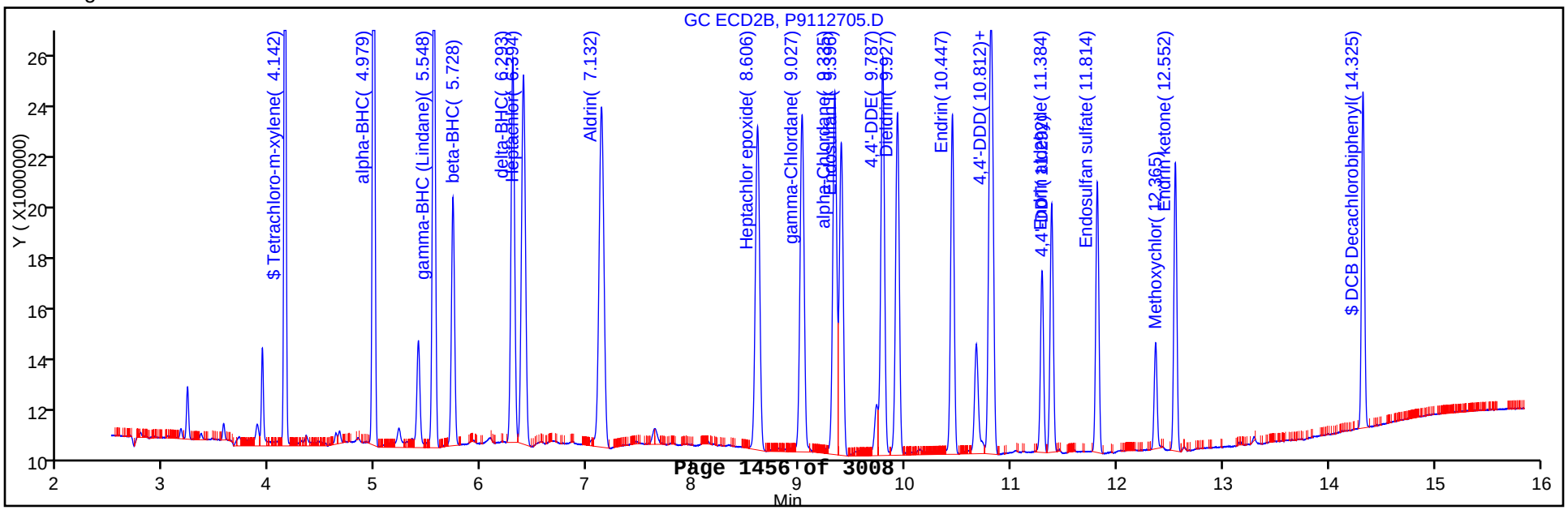
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112705.D

Injection Date:	28-Nov-2012 03:51:54	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112706.D		
Lims ID:	STD AB L2	Client ID:	
Inject. Date:	28-Nov-2012 04:19:44	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015316-006		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	66500	Lims Sample ID:	6
Sublist:	chrom-PEST9*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:06	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	22713171	0.009402			
2	100	4.141	4.140	0.001	64500423	0.009074			
						RPD = 3.54			
5 alpha-BHC									
1	100	4.224	4.225	-0.001	27194279	0.008582			
2	100	4.978	4.978	0.000	79808037	0.008029			
						RPD = 6.66			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	23015504	0.008536			
2	100	5.547	5.547	0.000	69180692	0.008341			
						RPD = 2.31			
7 beta-BHC									
1	100	4.738	4.739	-0.001	10784735	0.009047			
2	100	5.727	5.726	0.001	33394176	0.009262			
						RPD = 2.35			
11 delta-BHC									
1	100	4.957	4.957	0.000	21171945	0.008164			
2	100	6.292	6.292	0.000	63020479	0.007964			
						RPD = 2.47			
22 Heptachlor									
1	100	5.243	5.243	0.000	21766652	0.008932			
2	100	6.393	6.394	-0.001	64162690	0.008985			
						RPD = 0.60			
4 Aldrin									
1	100	5.704	5.705	-0.001	26462599	0.008919			
2	100	7.131	7.130	0.001	73080461	0.008896			
						RPD = 0.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	22311480	0.009050			
2	100	8.604	8.603	0.001	62217069	0.009107			
						RPD = 0.63			
21 gamma-Chlordane									
1	100	7.274	7.275	-0.001	23333396	0.008831			
2	100	9.024	9.024	0.000	61170902	0.008778			
						RPD = 0.60			
6 alpha-Chlordane									
1	100	7.625	7.623	0.002	24234648	0.008931			
2	100	9.334	9.334	0.000	62806867	0.008924			
						RPD = 0.08			
14 Endosulfan I									
1	100	7.899	7.896	0.003	21319989	0.009154			
2	100	9.396	9.396	0.000	52805057	0.009168			
						RPD = 0.15			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	26415459	0.009126			
2	100	9.787	9.785	0.002	63738283	0.008844			
						RPD = 3.14			
13 Dieldrin									
1	100	8.458	8.455	0.003	21811833	0.008979			
2	100	9.927	9.926	0.001	55758987	0.008826			
						RPD = 1.71			
17 Endrin									
1	100	8.908	8.908	0.000	20259835	0.009072			
2	100	10.445	10.445	0.000	51637931	0.008875			
						RPD = 2.20			
1 4,4'-DDD									
1	100	9.266	9.263	0.003	15812120	0.008824			
2	100	10.812	10.810	0.002	85792995	0.008746			
						RPD = 0.89			
15 Endosulfan II									
1	100	9.354	9.353	0.001	19599257	0.009242			
2	100	10.812	10.810	0.002	85792995	0.008746			
						RPD = 5.51			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	11421027	0.008042			
2	100	11.293	11.292	0.001	26815217	0.008053			
						RPD = 0.14			
18 Endrin aldehyde									
1	100	10.143	10.142	0.001	14081874	0.008944			
2	100	11.384	11.383	0.001	34825250	0.009103			
						RPD = 1.76			
27 Methoxychlor									
1	100	10.723	10.723	0.000	6010772	0.008843			
2	100	12.366	12.365	0.001	14395992	0.008661			
						RPD = 2.08			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	15371965	0.008900			
2	100	11.815	11.815	0.000	37147038	0.008610			
						RPD = 3.31			
19 Endrin ketone									
1	100	11.262	11.260	0.002	17089125	0.009028			
2	100	12.553	12.552	0.001	38398331	0.008758			
						RPD = 3.04			
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.862	0.001	18779414	0.009108			
2	100	14.324	14.325	-0.001	43182097	0.009125			
						RPD = 0.19			

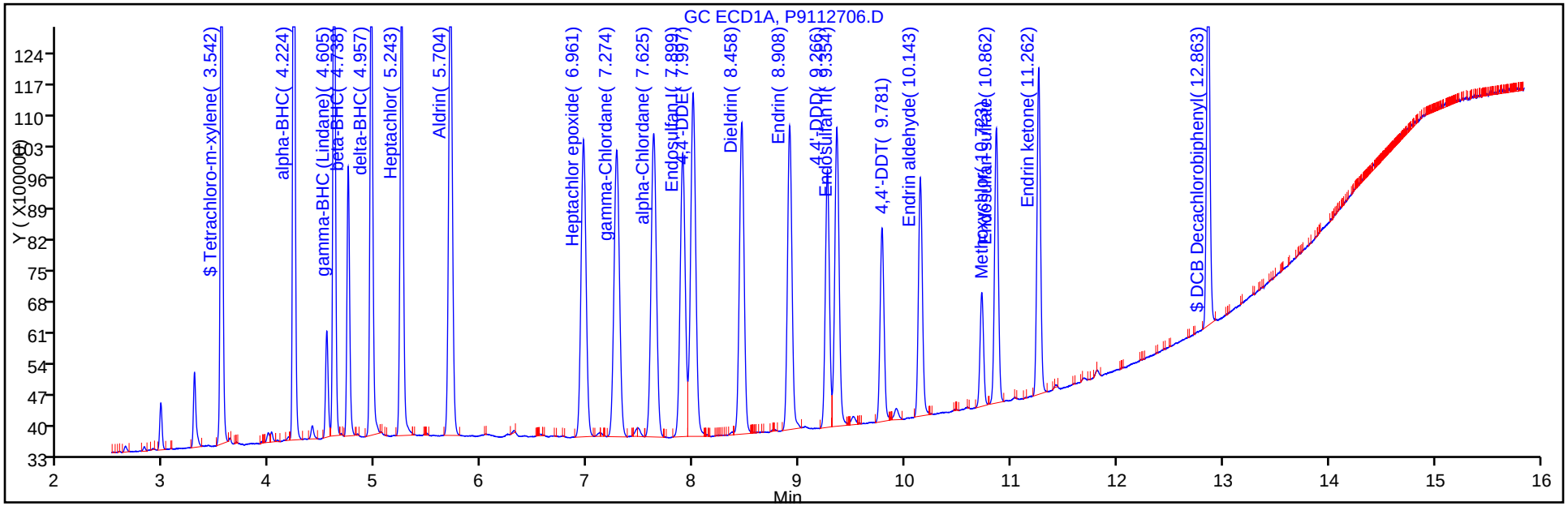
Report Date: 29-Nov-2012 09:55:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

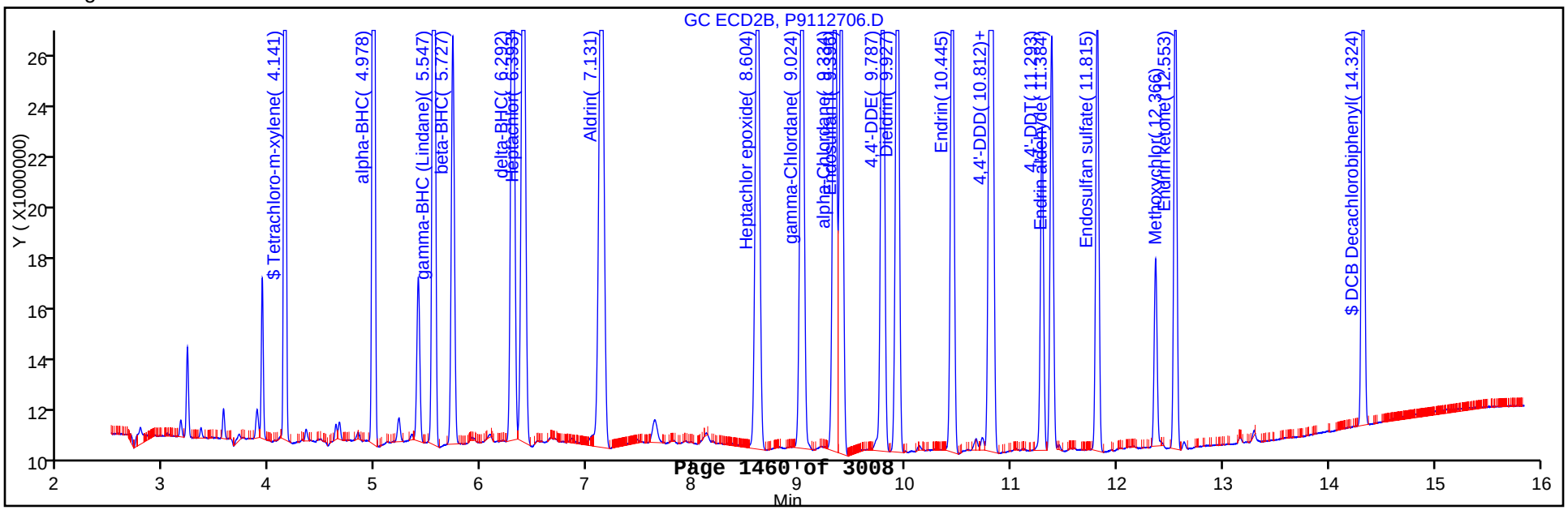
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112706.D

Injection Date:	28-Nov-2012 04:19:44	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112707.D		
Lims ID:	STD AB L3	Client ID:	
Inject. Date:	28-Nov-2012 04:47:25	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0015316-007		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	66500	Lims Sample ID:	7
Sublist:	chrom-PEST9*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:08	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:35:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	63435034	0.0263			
2	100	4.140	4.140	0.000	180187348	0.0254			
						RPD = 3.52			
5 alpha-BHC									
1	100	4.225	4.225	0.000	85315068	0.0269			
2	100	4.978	4.978	0.000	254049707	0.0256			
						RPD = 5.21			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	74067417	0.0275			
2	100	5.547	5.547	0.000	218126679	0.0263			
						RPD = 4.35			
7 beta-BHC									
1	100	4.739	4.739	0.000	32466494	0.0272			
2	100	5.726	5.726	0.000	95340345	0.0264			
						RPD = 2.95			
11 delta-BHC									
1	100	4.957	4.957	0.000	70701379	0.0273			
2	100	6.292	6.292	0.000	207159463	0.0262			
						RPD = 4.05			
22 Heptachlor									
1	100	5.243	5.243	0.000	67803001	0.0278			
2	100	6.394	6.394	0.000	192100308	0.0269			
						RPD = 3.37			
4 Aldrin									
1	100	5.705	5.705	0.000	79080833	0.0267			
2	100	7.130	7.130	0.000	212581974	0.0259			
						RPD = 2.95			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	67605641	0.0274			
2	100	8.603	8.603	0.000	181645390	0.0266			
						RPD = 3.09			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	71578901	0.0271			
2	100	9.024	9.024	0.000	184111406	0.0264			
						RPD = 2.50			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	73477159	0.0271			
2	100	9.334	9.334	0.000	185454175	0.0264			
						RPD = 2.73			
14 Endosulfan I									
1	100	7.896	7.896	0.000	64705942	0.0278			
2	100	9.396	9.396	0.000	154451497	0.0268			
						RPD = 3.54			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	77611943	0.0268			
2	100	9.785	9.785	0.000	185887305	0.0258			
						RPD = 3.88			
13 Dieldrin									
1	100	8.455	8.455	0.000	66457693	0.0274			
2	100	9.926	9.926	0.000	167524437	0.0265			
						RPD = 3.12			
17 Endrin									M
1	100	8.908	8.908	0.000	62299800	0.0279			M
2	100	10.445	10.445	0.000	157287734	0.0270			
						RPD = 3.15			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	49525658	0.0276			
2	100	10.810	10.810	0.000	263481096	0.0269			
						RPD = 2.86			
15 Endosulfan II									
1	100	9.353	9.353	0.000	59747209	0.0282			
2	100	10.810	10.810	0.000	263481096	0.0269			
						RPD = 4.77			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	39680453	0.0279			
2	100	11.292	11.292	0.000	90883351	0.0273			
						RPD = 2.34			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	43691326	0.0278			
2	100	11.383	11.383	0.000	103634534	0.0271			
						RPD = 2.42			
27 Methoxychlor									
1	100	10.723	10.723	0.000	19257369	0.0283			
2	100	12.365	12.365	0.000	44406284	0.0267			
						RPD = 5.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.860	0.000	47741448	0.0276			
2	100	11.815	11.815	0.000	114847519	0.0266			
						RPD = 3.76			
19 Endrin ketone									
1	100	11.260	11.260	0.000	52279079	0.0276			
2	100	12.552	12.552	0.000	117830988	0.0269			
						RPD = 2.73			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	54709867	0.0265			
2	100	14.325	14.325	0.000	120111413	0.0254			
						RPD = 4.44			

QC Flag Legend

Review Flags
M - Manually Integrated

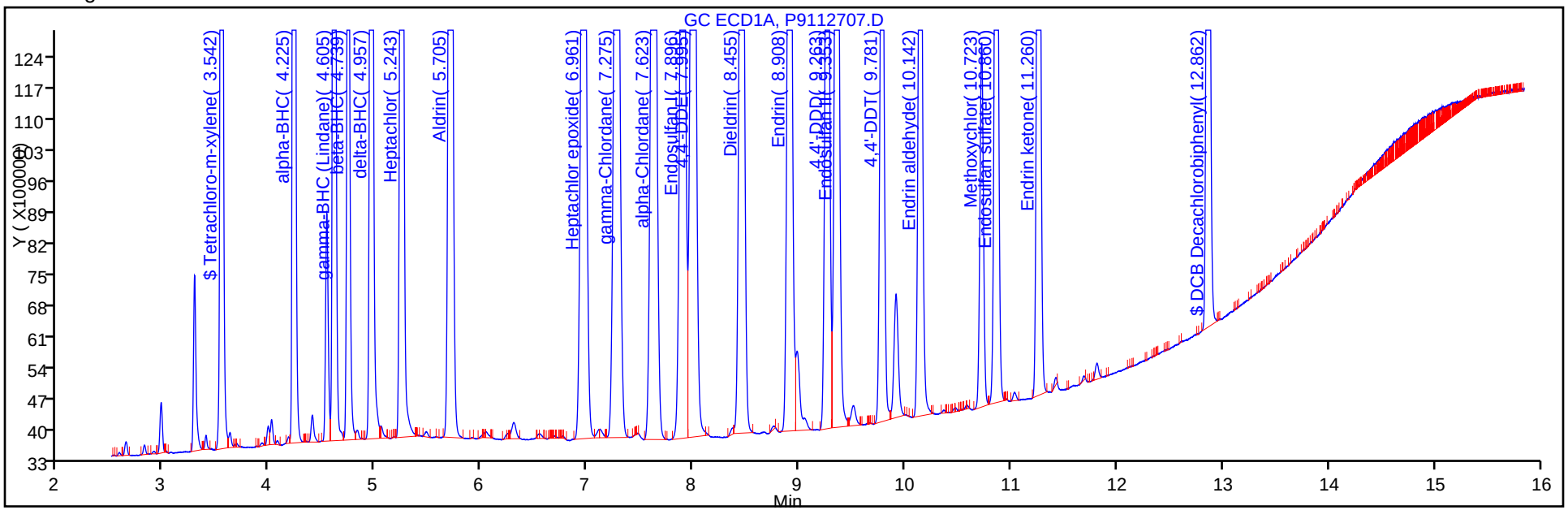
Report Date: 29-Nov-2012 09:55:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

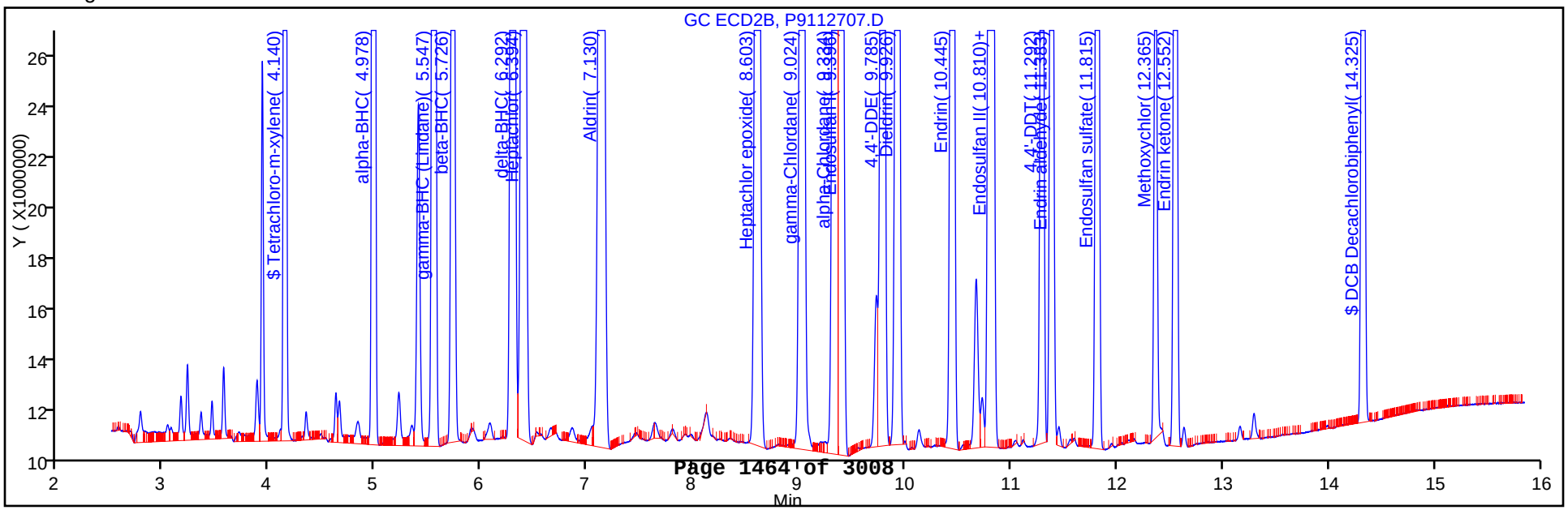
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112707.D

Injection Date:	28-Nov-2012 04:47:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112708.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 28-Nov-2012 05:11:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015316-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 66500 Lims Sample ID: 8
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.542	-0.002	120308300	0.0498			
2	100	4.141	4.140	0.001	349876507	0.0492			
						RPD = 1.17			
5 alpha-BHC									
1	100	4.224	4.225	-0.001	168246491	0.0531			
2	100	4.979	4.978	0.001	519423608	0.0523			
						RPD = 1.60			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	142541536	0.0529			
2	100	5.547	5.547	0.000	428834821	0.0517			
						RPD = 2.22			
7 beta-BHC									
1	100	4.737	4.739	-0.002	60784519	0.0510			
2	100	5.727	5.726	0.001	176468462	0.0489			
						RPD = 4.09			
11 delta-BHC									
1	100	4.955	4.957	-0.002	135742987	0.0523			
2	100	6.292	6.292	0.000	404010292	0.0511			
						RPD = 2.48			
22 Heptachlor									
1	100	5.241	5.243	-0.002	127680749	0.0524			
2	100	6.394	6.394	0.000	360935532	0.0505			
						RPD = 3.59			
4 Aldrin									
1	100	5.702	5.705	-0.003	152469576	0.0514			
2	100	7.129	7.130	-0.001	413421508	0.0503			
						RPD = 2.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.957	6.961	-0.004	127476829	0.0517			
2	100	8.603	8.603	0.000	342800046	0.0502			
						RPD = 3.01			
21 gamma-Chlordane									
1	100	7.270	7.275	-0.005	136108350	0.0515			
2	100	9.024	9.024	0.000	349561742	0.0502			
						RPD = 2.66			
6 alpha-Chlordane									
1	100	7.619	7.623	-0.004	138438807	0.0510			
2	100	9.333	9.334	-0.001	349426426	0.0496			
						RPD = 2.72			
14 Endosulfan I									
1	100	7.894	7.896	-0.002	118897646	0.0511			
2	100	9.395	9.396	-0.001	287158677	0.0499			
						RPD = 2.37			
2 4,4'-DDE									
1	100	7.991	7.995	-0.004	143606885	0.0496			
2	100	9.786	9.785	0.001	349697573	0.0485			
						RPD = 2.22			
13 Dieldrin									
1	100	8.452	8.455	-0.003	126120451	0.0519			
2	100	9.924	9.926	-0.002	319301367	0.0505			
						RPD = 2.68			
17 Endrin									
1	100	8.905	8.908	-0.003	113505434	0.0508			
2	100	10.444	10.445	-0.001	293523164	0.0504			
						RPD = 0.75			
1 4,4'-DDD									
1	100	9.259	9.263	-0.004	90234850	0.0504			
2	100	10.810	10.810	0.000	495476407	0.0505			
						RPD = 0.30			
15 Endosulfan II									
1	100	9.352	9.353	-0.001	105333851	0.0497			
2	100	10.810	10.810	0.000	495476407	0.0505			
						RPD = 1.68			
3 4,4'-DDT									
1	100	9.779	9.781	-0.002	74188574	0.0522			
2	100	11.291	11.292	-0.001	169067750	0.0508			
						RPD = 2.84			
18 Endrin aldehyde									
1	100	10.139	10.142	-0.003	80263512	0.0510			
2	100	11.383	11.383	0.000	188798122	0.0493			
						RPD = 3.25			
27 Methoxychlor									
1	100	10.720	10.723	-0.003	35097830	0.0516			
2	100	12.364	12.365	-0.001	86673844	0.0521			
						RPD = 0.98			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.859	10.860	-0.001	88030573	0.0510			
2	100	11.814	11.815	-0.001	215133295	0.0499			
						RPD = 2.19			
19 Endrin ketone									
1	100	11.258	11.260	-0.002	97151486	0.0513			
2	100	12.551	12.552	-0.001	221784391	0.0506			
						RPD = 1.45			
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.862	-0.002	106216984	0.0515			
2	100	14.324	14.325	-0.001	235265158	0.0497			
						RPD = 3.56			

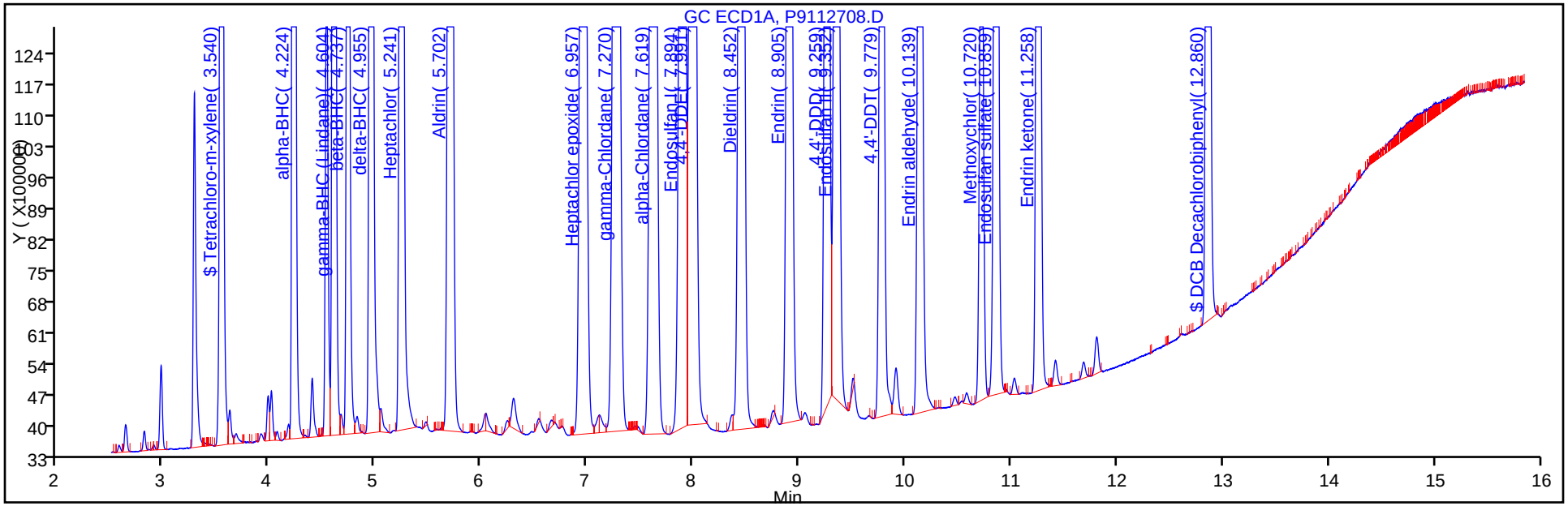
Report Date: 29-Nov-2012 09:55:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

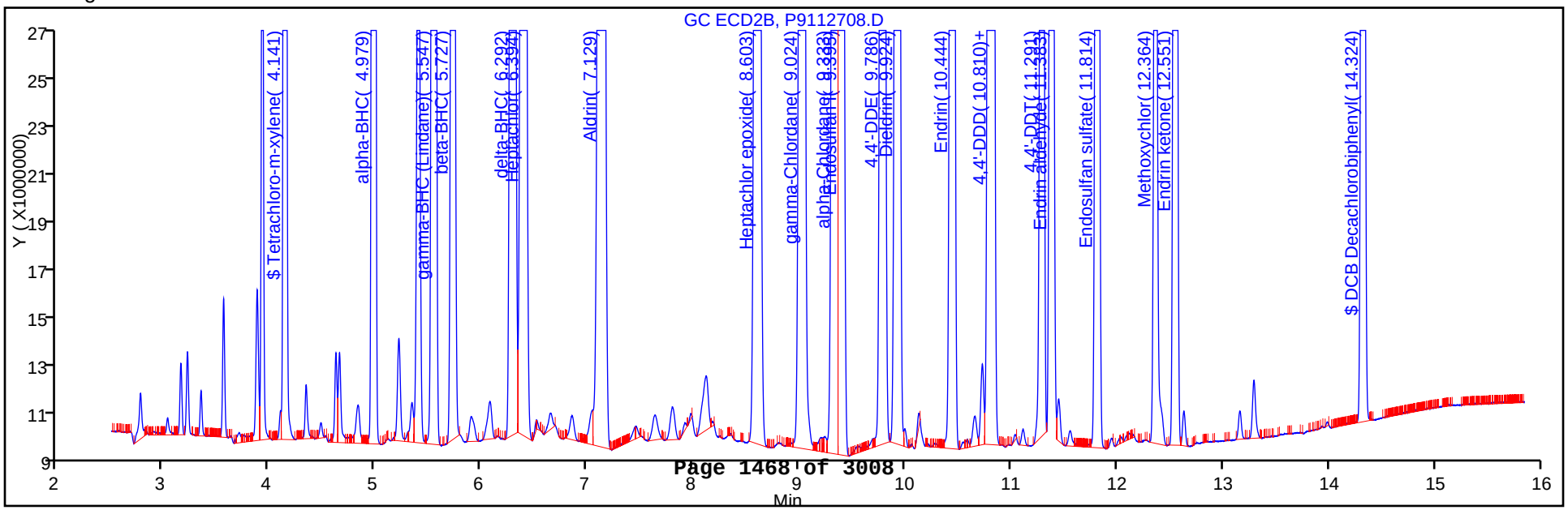
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112708.D

Injection Date:	28-Nov-2012 05:11:37	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112709.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 28-Nov-2012 05:30:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015316-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 66500 Lims Sample ID: 9
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:13 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.535	3.542	-0.007	233043289	0.0965			
2	100	4.144	4.140	0.004	705568169	0.0993			
						RPD = 2.86			
5 alpha-BHC									
1	100	4.218	4.225	-0.007	321294010	0.1014			
2	100	4.979	4.978	0.001	1050625042	0.1057			
						RPD = 4.15			
20 gamma-BHC (Lindane)									
1	100	4.597	4.605	-0.008	268105436	0.0994			
2	100	5.548	5.547	0.001	836258205	0.1008			
						RPD = 1.39			
7 beta-BHC									
1	100	4.729	4.739	-0.010	114225893	0.0958			
2	100	5.727	5.726	0.001	340246151	0.0944			
						RPD = 1.53			
11 delta-BHC									
1	100	4.948	4.957	-0.009	270604940	0.1043			
2	100	6.292	6.292	0.000	842988777	0.1065			
						RPD = 2.08			
22 Heptachlor									
1	100	5.233	5.243	-0.010	237500162	0.0975			
2	100	6.394	6.394	0.000	684656663	0.0959			
						RPD = 1.63			
4 Aldrin									
1	100	5.693	5.705	-0.012	294664832	0.0993			
2	100	7.128	7.130	-0.002	818825596	0.0997			
						RPD = 0.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.946	6.961	-0.015	240402105	0.0975			
2	100	8.601	8.603	-0.002	664094904	0.0972			
						RPD = 0.32			
21 gamma-Chlordane									
1	100	7.257	7.275	-0.018	262785355	0.0995			
2	100	9.024	9.024	0.000	686632957	0.0985			
						RPD = 0.93			
6 alpha-Chlordane									
1	100	7.606	7.623	-0.017	265767351	0.0979			
2	100	9.331	9.334	-0.003	686124779	0.0975			
						RPD = 0.47			
14 Endosulfan I									
1	100	7.883	7.896	-0.013	225351773	0.0968			
2	100	9.394	9.396	-0.002	553586037	0.0961			
						RPD = 0.67			
2 4,4'-DDE									
1	100	7.981	7.995	-0.014	287944529	0.0995			
2	100	9.784	9.785	-0.001	727184219	0.1009			
						RPD = 1.42			
13 Dieldrin									
1	100	8.442	8.455	-0.013	238769123	0.0983			
2	100	9.924	9.926	-0.002	622149707	0.0985			
						RPD = 0.20			
17 Endrin									
1	100	8.896	8.908	-0.012	219329606	0.0982			
2	100	10.443	10.445	-0.002	567059158	0.0975			
						RPD = 0.77			
1 4,4'-DDD									
1	100	9.253	9.263	-0.010	179041064	0.0999			
2	100	10.809	10.810	-0.001	968165240	0.0987			
						RPD = 1.23			
15 Endosulfan II									
1	100	9.343	9.353	-0.010	205405499	0.0969			
2	100	10.809	10.810	-0.001	968165240	0.0987			
						RPD = 1.88			
3 4,4'-DDT									
1	100	9.772	9.781	-0.009	146524084	0.1032			
2	100	11.290	11.292	-0.002	341723801	0.1026			
						RPD = 0.53			
18 Endrin aldehyde									
1	100	10.133	10.142	-0.009	153274604	0.0974			
2	100	11.382	11.383	-0.001	367992078	0.0962			
						RPD = 1.21			
27 Methoxychlor									
1	100	10.713	10.723	-0.010	66368596	0.0976			
2	100	12.364	12.365	-0.001	166024602	0.0999			
						RPD = 2.27			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.853	10.860	-0.007	167836771	0.0972			
2	100	11.814	11.815	-0.001	430525250	0.0998			
						RPD = 2.66			
19 Endrin ketone									
1	100	11.254	11.260	-0.006	181236644	0.0957			
2	100	12.551	12.552	-0.001	428298026	0.0977			
						RPD = 2.01			
$ 10 DCB Decachlorobiphenyl									
1	100	12.857	12.862	-0.005	200449899	0.0972			
2	100	14.322	14.325	-0.003	457702306	0.0967			
						RPD = 0.51			

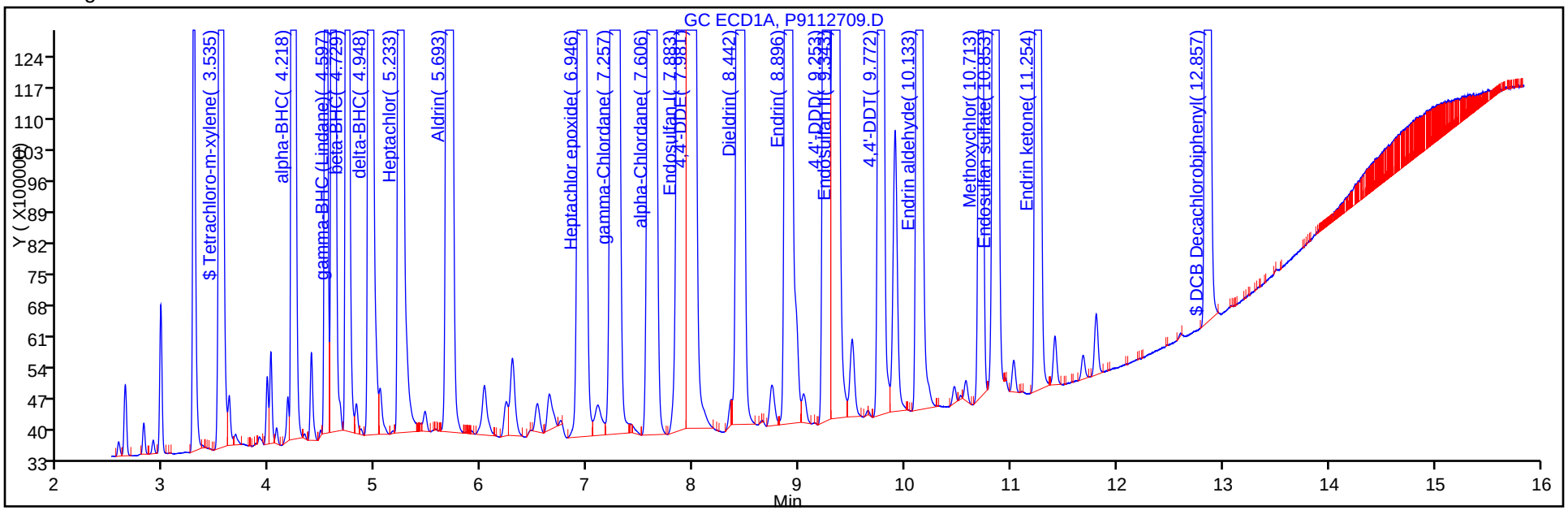
Report Date: 29-Nov-2012 09:55:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

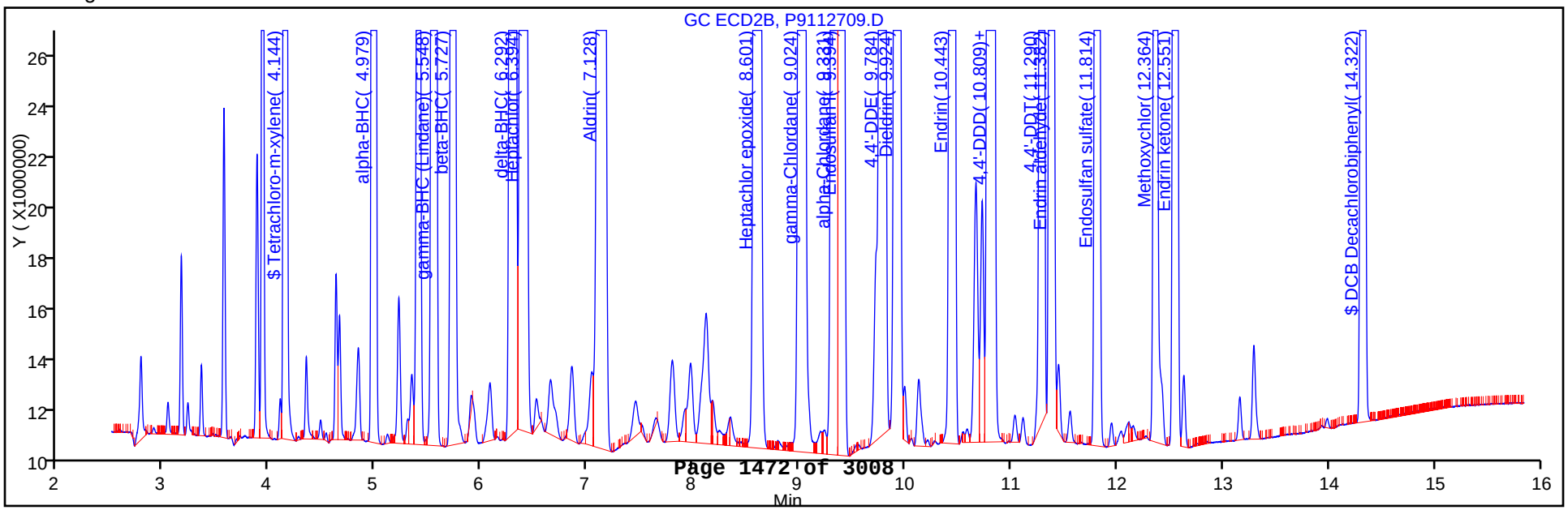
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112709.D

Injection Date:	28-Nov-2012 05:30:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112710.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 28-Nov-2012 05:55:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015316-010
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 66500 Lims Sample ID: 10
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:15 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.541	3.542	-0.001	453303295	0.1876			
2	100	4.142	4.140	0.002	1448221556	0.2037			
						RPD = 8.23			
5 alpha-BHC									
1	100	4.225	4.225	0.000	645976390	0.2039			
2	100	4.980	4.978	0.002	2285367453	0.2299			
						RPD = 12.01			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	547873505	0.2032			
2	100	5.548	5.547	0.001	1806076915	0.2178			
						RPD = 6.92			
7 beta-BHC									
1	100	4.737	4.739	-0.002	232044158	0.1946			
2	100	5.727	5.726	0.001	707677990	0.1963			
						RPD = 0.83			
11 delta-BHC									
1	100	4.955	4.957	-0.002	561318018	0.2164			
2	100	6.292	6.292	0.000	1848244996	0.2336			
						RPD = 7.62			
22 Heptachlor									
1	100	5.243	5.243	0.000	472352159	0.1938			
2	100	6.394	6.394	0.000	1409699760	0.1974			
						RPD = 1.83			
4 Aldrin									
1	100	5.703	5.705	-0.002	580677178	0.1957			
2	100	7.131	7.130	0.001	1679176514	0.2044			
						RPD = 4.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.959	6.961	-0.002	467013104	0.1894			
2	100	8.604	8.603	0.001	1344707940	0.1968			
						RPD = 3.83			
21 gamma-Chlordane									
1	100	7.270	7.275	-0.005	532845994	0.2017			
2	100	9.025	9.024	0.001	1446103331	0.2075			
						RPD = 2.86			
6 alpha-Chlordane									
1	100	7.621	7.623	-0.002	540294147	0.1991			
2	100	9.335	9.334	0.001	1435449896	0.2040			
						RPD = 2.40			
14 Endosulfan I									
1	100	7.895	7.896	-0.001	441726686	0.1897			
2	100	9.395	9.396	-0.001	1114942430	0.1936			
						RPD = 2.04			
2 4,4'-DDE									
1	100	7.994	7.995	-0.001	573706412	0.1982			
2	100	9.786	9.785	0.001	1488391863	0.2065			
						RPD = 4.11			
13 Dieldrin									
1	100	8.452	8.455	-0.003	474575217	0.1954			
2	100	9.925	9.926	-0.001	1279814987	0.2026			
						RPD = 3.63			
17 Endrin									
1	100	8.905	8.908	-0.003	421931840	0.1889			
2	100	10.445	10.445	0.000	1175172336	0.2020			
						RPD = 6.67			
1 4,4'-DDD									
1	100	9.260	9.263	-0.003	364468396	0.2034			
2	100	10.810	10.810	0.000	2025798167	0.2065			
						RPD = 1.52			
15 Endosulfan II									
1	100	9.352	9.353	-0.001	409210791	0.1930			
2	100	10.810	10.810	0.000	2025798167	0.2065			
						RPD = 6.79			
3 4,4'-DDT									
1	100	9.778	9.781	-0.003	322124691	0.2268			
2	100	11.291	11.292	-0.001	782127021	0.2349			
						RPD = 3.50			
18 Endrin aldehyde									
1	100	10.140	10.142	-0.002	305452696	0.1940			
2	100	11.383	11.383	0.000	758873285	0.1984			
						RPD = 2.22			
27 Methoxychlor									
1	100	10.721	10.723	-0.002	137489775	0.2023			
2	100	12.365	12.365	0.000	354136490	0.2131			
						RPD = 5.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.860	0.000	344366445	0.1994			
2	100	11.815	11.815	0.000	929753170	0.2155			
						RPD = 7.77			
19 Endrin ketone									
1	100	11.259	11.260	-0.001	372090274	0.1966			
2	100	12.551	12.552	-0.001	916522247	0.2091			
						RPD = 6.15			
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.862	-0.002	405785033	0.1968			
2	100	14.323	14.325	-0.002	974973426	0.2060			
						RPD = 4.58			

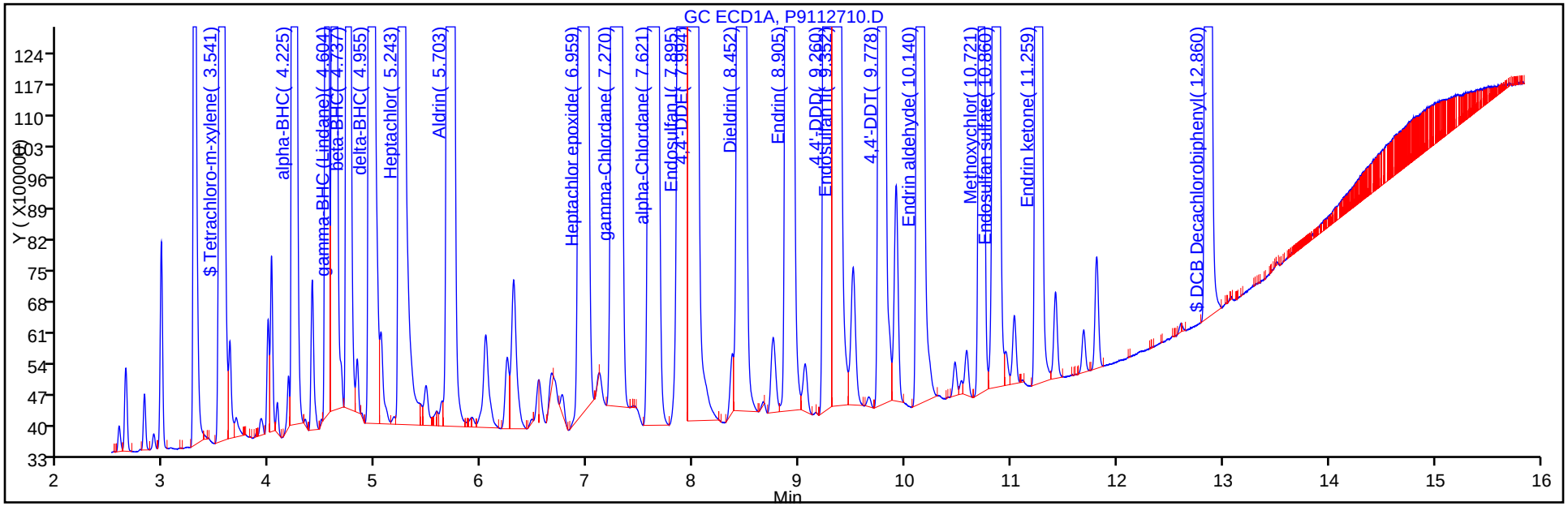
Report Date: 29-Nov-2012 09:55:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

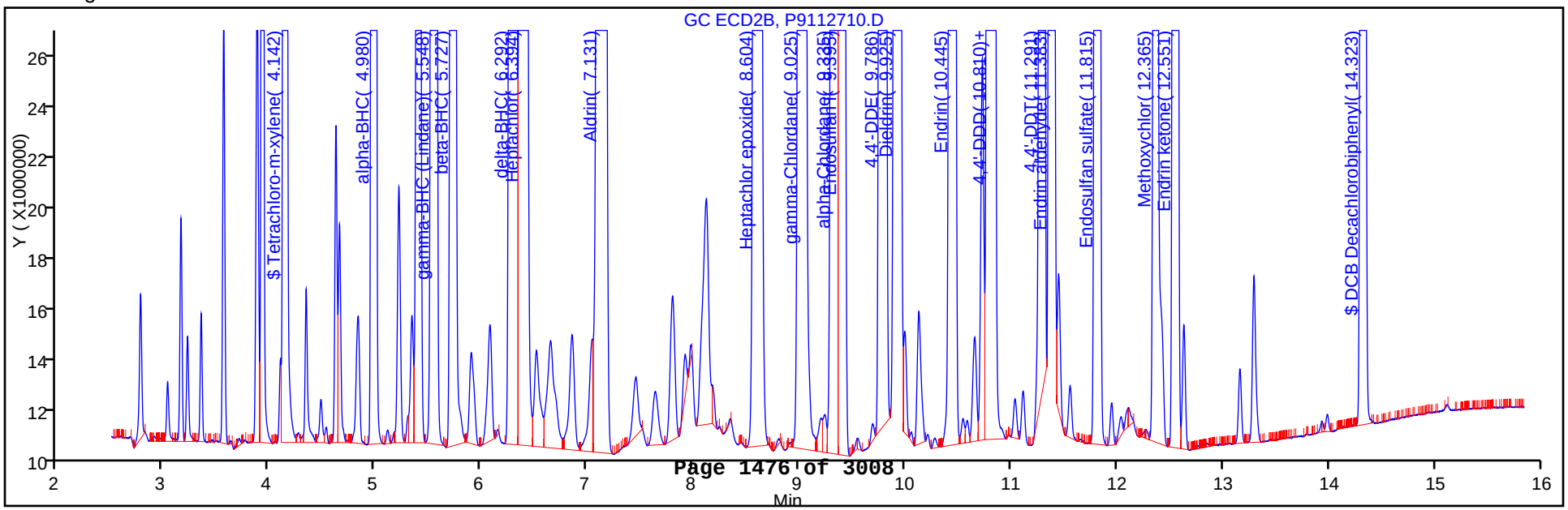
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112710.D

Injection Date:	28-Nov-2012 05:55:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	9.483	9.483	9.486	9.484	9.485						9.453 - 9.513	9.484
Toxaphene Peak 2	10.025	10.026	10.024	10.022	10.026						9.993 - 10.053	10.025
Toxaphene Peak 3	10.090	10.091	10.091	10.089	10.094						10.061 - 10.121	10.091
Toxaphene Peak 4	10.673	10.672	10.671	10.672	10.672						10.641 - 10.701	10.672
Toxaphene Peak 5	11.233	11.235	11.236	11.234	11.236						11.203 - 11.263	11.235

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	80950235 86881336	82753104	80907243	80284826	Ave		82355348.8				3.3		20.0			
Toxaphene Peak 2	82964865 81759889	83067658	77060439	78137229	Ave		80598016.0				3.5		20.0			
Toxaphene Peak 3	54663130 66004296	60911214	60423711	58572962	Ave		60115062.5				6.8		20.0			
Toxaphene Peak 4	74852935 85136678	81306668	77201216	77453284	Ave		79190156.0				5.1		20.0			
Toxaphene Peak 5	42325750 53808245	45373554	46432367	47516675	Ave		47091318.1				9.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	16190047	41376552	80907243	160569651	434406682	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	16592973	41533829	77060439	156274458	408799446	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	10932626	30455607	60423711	117145923	330021479	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	14970587	40653334	77201216	154906567	425683388	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	8465150	22686777	46432367	95033349	269041226	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D
Lims ID: STD TOX 1 Client ID:
Inject. Date: 28-Nov-2012 06:50:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015316-012
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 66500 Lims Sample ID: 12
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:19 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:40:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	16190047	0.1966		100.0	M
1	2	10.025	10.023	0.002	16592973	0.2059	75.2- 115.2	102.5	M
1	3	10.090	10.091	-0.001	10932626	0.1819	54.7- 94.7	67.5	M
1	4	10.673	10.671	0.002	14970587	0.1890	75.4- 115.4	92.5	M
1	5	11.233	11.233	0.000	8465150	0.1798	37.4- 77.4	52.3	M
			Average of Peak Amounts =			0.1906			
2	100	10.379	10.382	-0.003	42205034	0.2183		100.0	M
2	2	11.400	11.399	0.001	52217741	0.2075	108.0- 148.0	123.7	M
2	3	11.746	11.746	0.000	18298378	0.1940	28.1- 68.1	43.4	M
2	4	12.149	12.148	0.001	36336407	0.1979	72.6- 112.6	86.1	M
2	5	12.536	12.535	0.001	11019761	0.1820	9.6- 49.6	26.1	M
			Average of Peak Amounts =			0.1999			
						RPD = 4.76			

QC Flag Legend

Review Flags
M - Manually Integrated

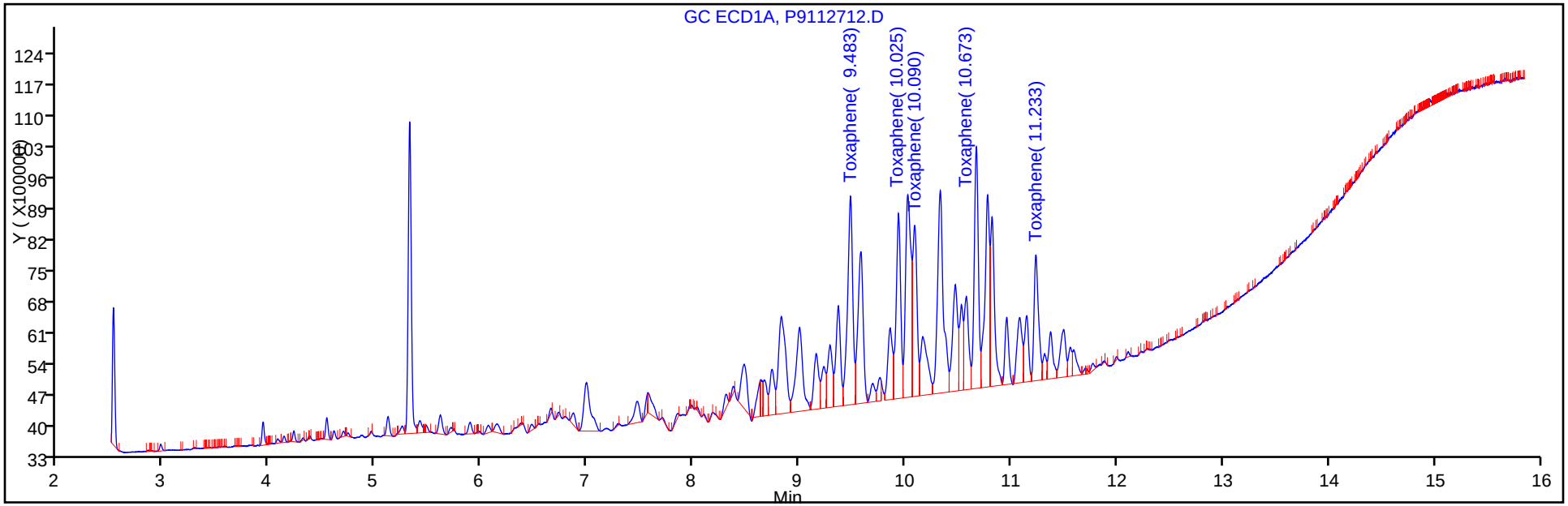
Report Date: 29-Nov-2012 09:55:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

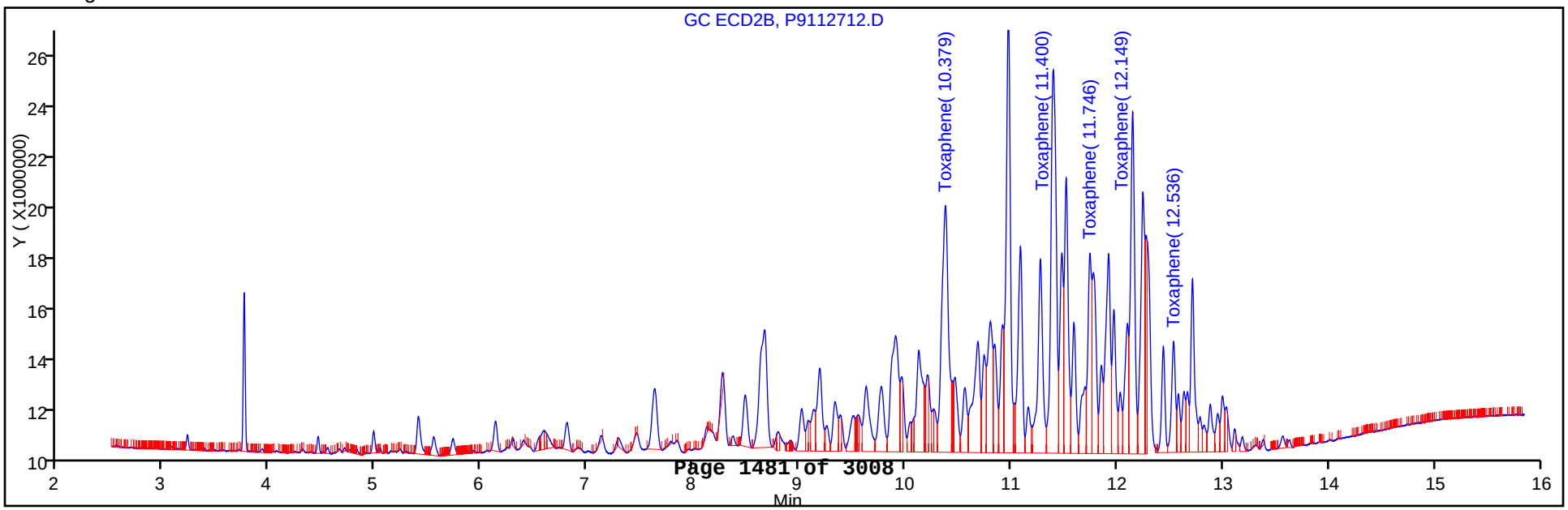
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D

Injection Date:	28-Nov-2012 06:50:48	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



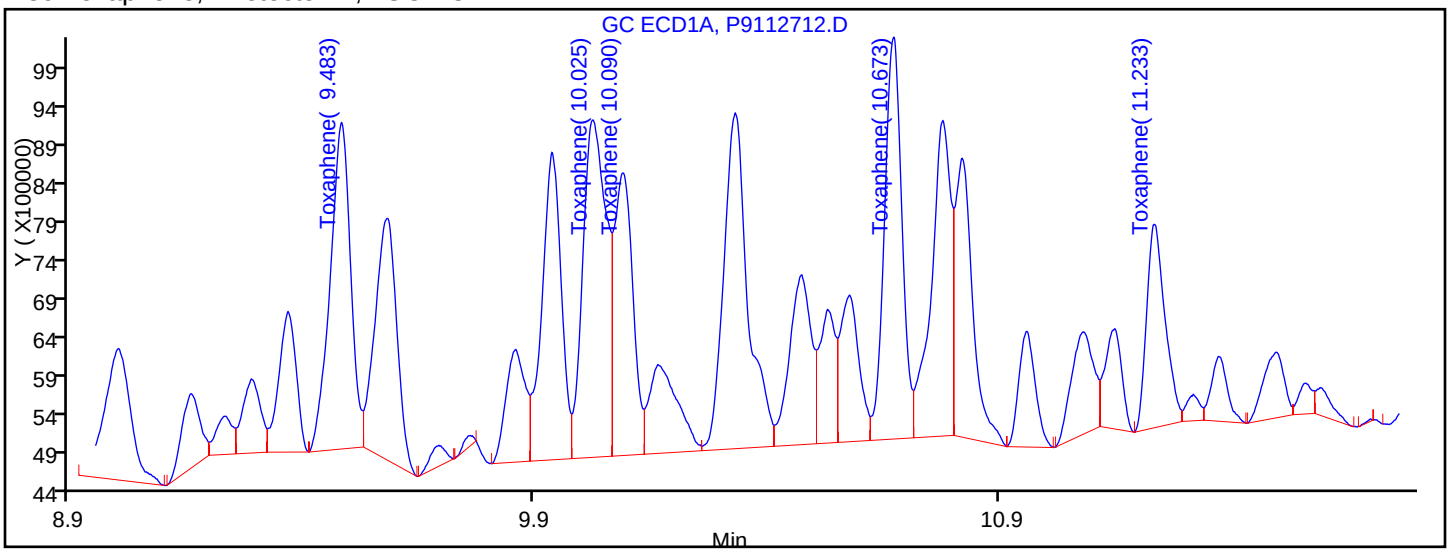
Report Date: 29-Nov-2012 09:55:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D

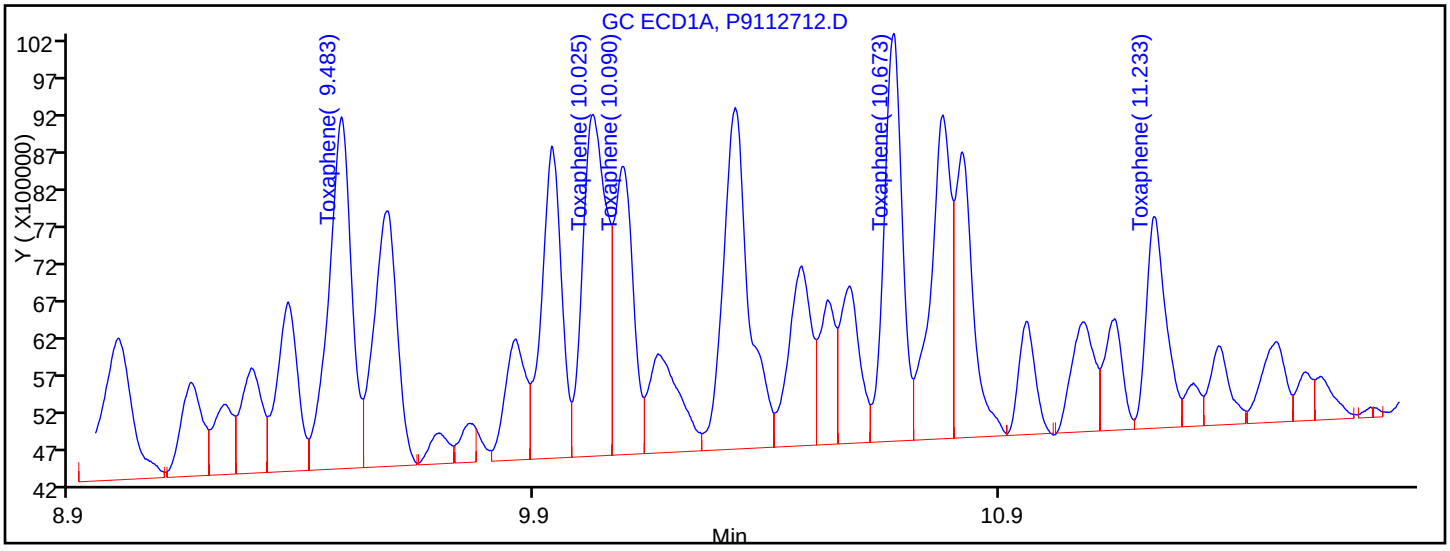
Injection Date:	28-Nov-2012 06:50:48	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.483	Response = 13166443	M
RT = 10.025	Response = 15781995	M
RT = 10.090	Response = 10271892	M
RT = 10.673	Response = 13886522	M
RT = 11.233	Response = 7379432	M



Manual Integration Results

RT = 9.483	Response = 16190047	M
RT = 10.025	Response = 16592973	M
RT = 10.090	Response = 10932626	M
RT = 10.673	Response = 14970587	M
RT = 11.233	Response = 8465150	M

Reviewer: vandorenc, 29-Nov-2012 09:40:57

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112713.D		
Lims ID:	STD TOX2	Client ID:	
Inject. Date:	28-Nov-2012 07:18:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015316-013		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	66500	Lims Sample ID:	13
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:22	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:41:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	41376552	0.5024		100.0	
1	2	10.026	10.023	0.003	41533829	0.5153	75.2- 115.2	100.4	
1	3	10.091	10.091	0.000	30455607	0.5066	54.7- 94.7	73.6	
1	4	10.672	10.671	0.001	40653334	0.5134	75.4- 115.4	98.3	
1	5	11.235	11.233	0.002	22686777	0.4818	37.4- 77.4	54.8	
			Average of Peak Amounts =			0.5039			
2	100	10.381	10.382	-0.001	106930022	0.5531		100.0	M
2	2	11.397	11.399	-0.002	136078541	0.5407	108.0- 148.0	127.3	M
2	3	11.748	11.746	0.002	50065956	0.5307	28.1- 68.1	46.8	M
2	4	12.148	12.148	0.000	98032016	0.5339	72.6- 112.6	91.7	M
2	5	12.535	12.535	0.000	32975098	0.5445	9.6- 49.6	30.8	M
			Average of Peak Amounts =			0.5406			
						RPD = 7.02			

QC Flag Legend

Review Flags
M - Manually Integrated

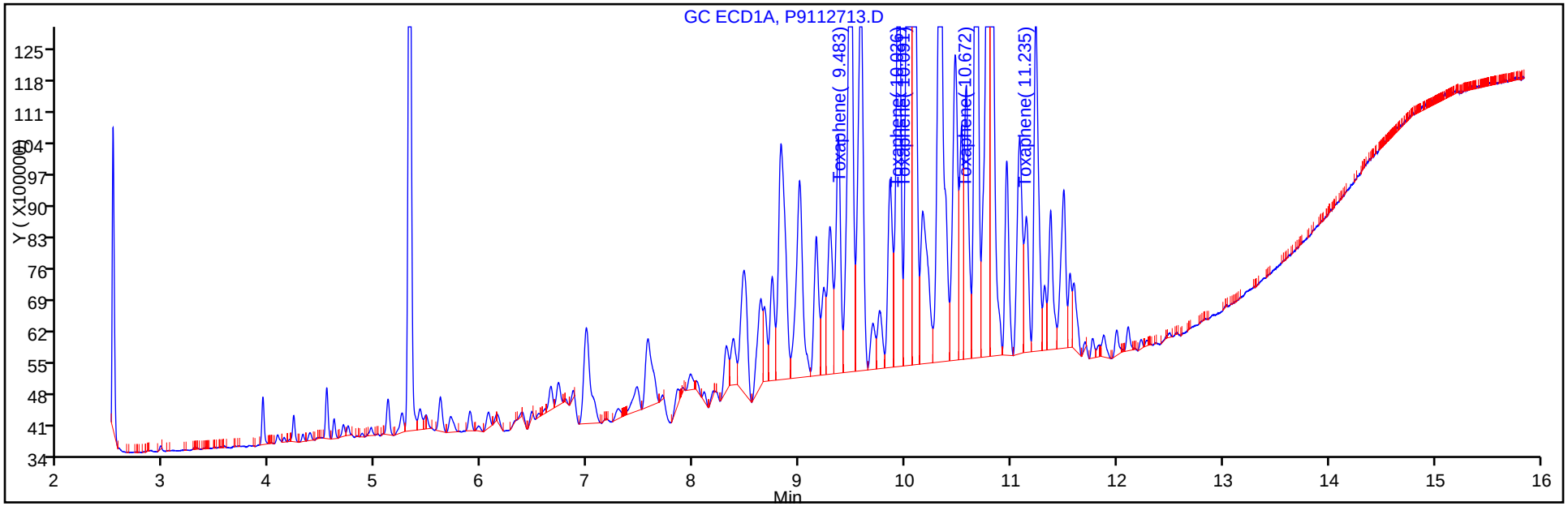
Report Date: 29-Nov-2012 09:55:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

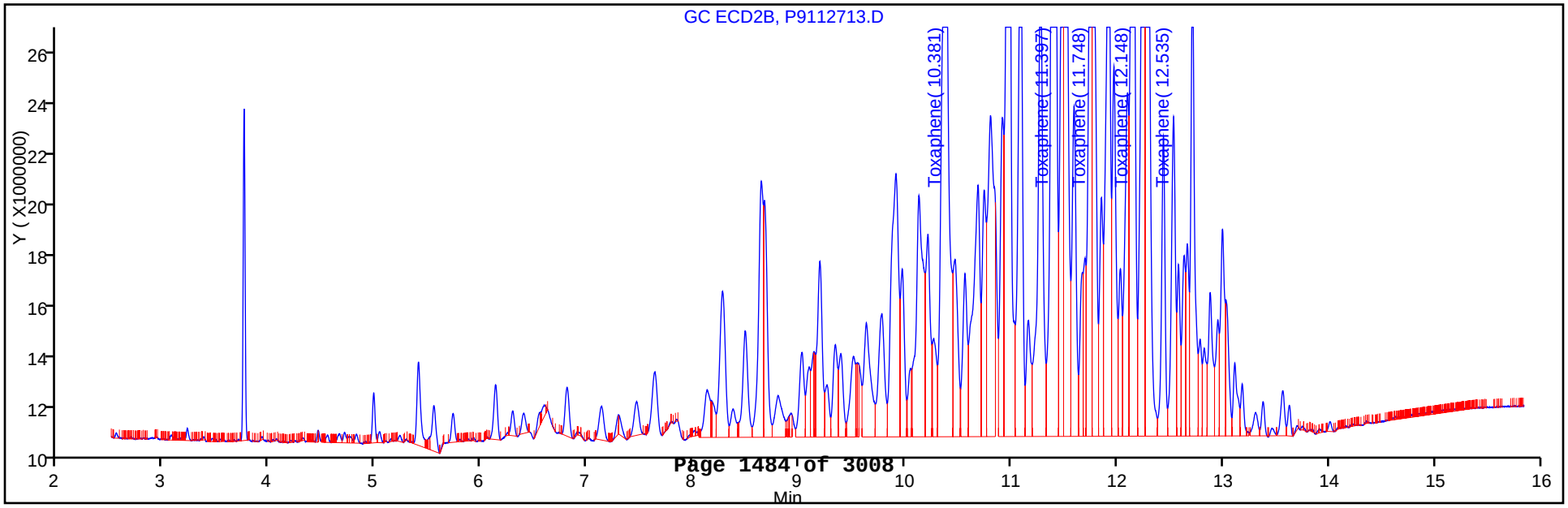
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112713.D

Injection Date:	28-Nov-2012 07:18:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D		
Lims ID:	STD TOX3	Client ID:	
Inject. Date:	28-Nov-2012 07:46:19	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0015316-014		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	66500	Lims Sample ID:	14
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:24	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:41:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.486	9.486	0.000	80907243	0.9824		100.0	M
1	2	10.024	10.024	0.000	77060439	0.9561	75.2- 115.2	95.2	M
1	3	10.091	10.091	0.000	60423711	1.01	54.7- 94.7	74.7	M
1	4	10.671	10.671	0.000	77201216	0.9749	75.4- 115.4	95.4	M
1	5	11.236	11.236	0.000	46432367	0.9860	37.4- 77.4	57.4	M
			Average of Peak Amounts =			0.9809			
2	100	10.382	10.382	0.000	182034158	0.9416		100.0	M
2	2	11.398	11.398	0.000	232967561	0.9257	108.0- 148.0	128.0	M
2	3	11.746	11.746	0.000	87578224	0.9283	28.1- 68.1	48.1	M
2	4	12.148	12.148	0.000	168652486	0.9185	72.6- 112.6	92.6	M
2	5	12.534	12.534	0.000	53896308	0.8899	9.6- 49.6	29.6	M
			Average of Peak Amounts =			0.9208			
						RPD = 6.32			

QC Flag Legend

Review Flags
M - Manually Integrated

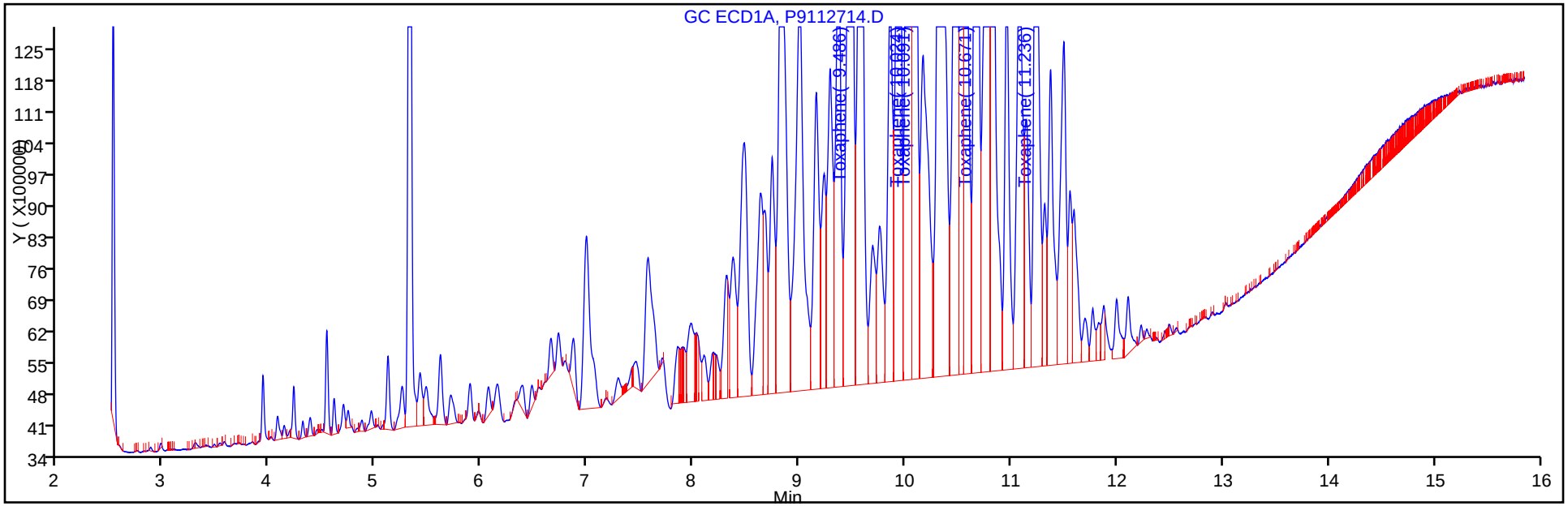
Report Date: 29-Nov-2012 09:55:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

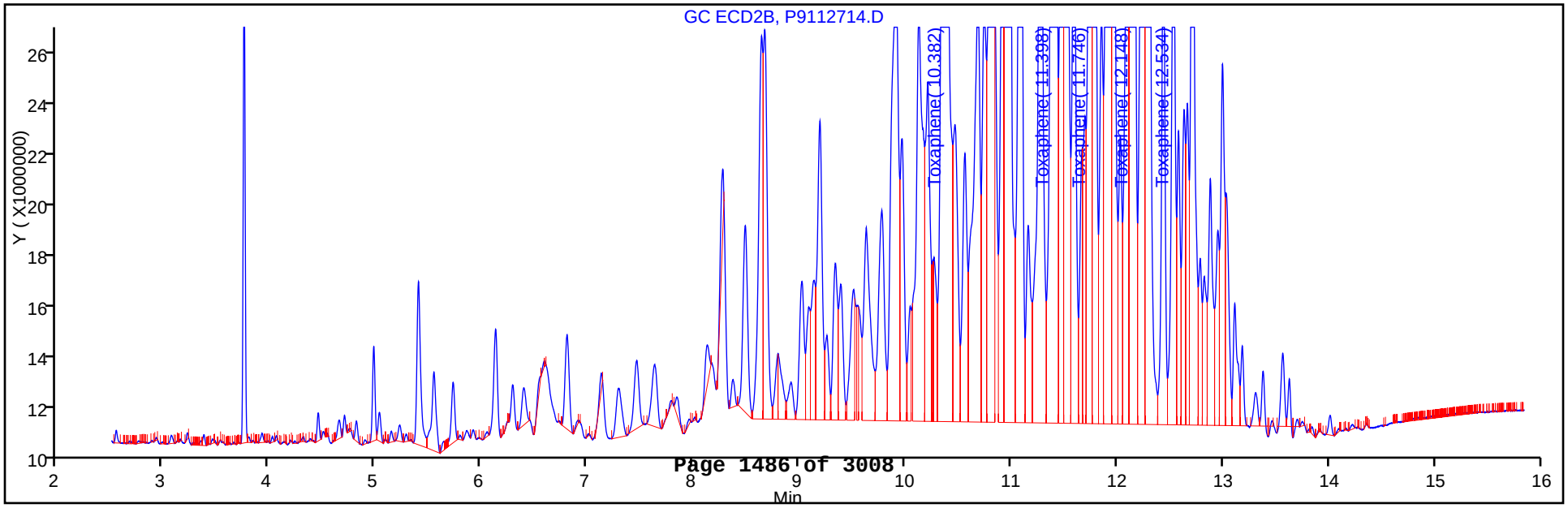
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D

Injection Date:	28-Nov-2012 07:46:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



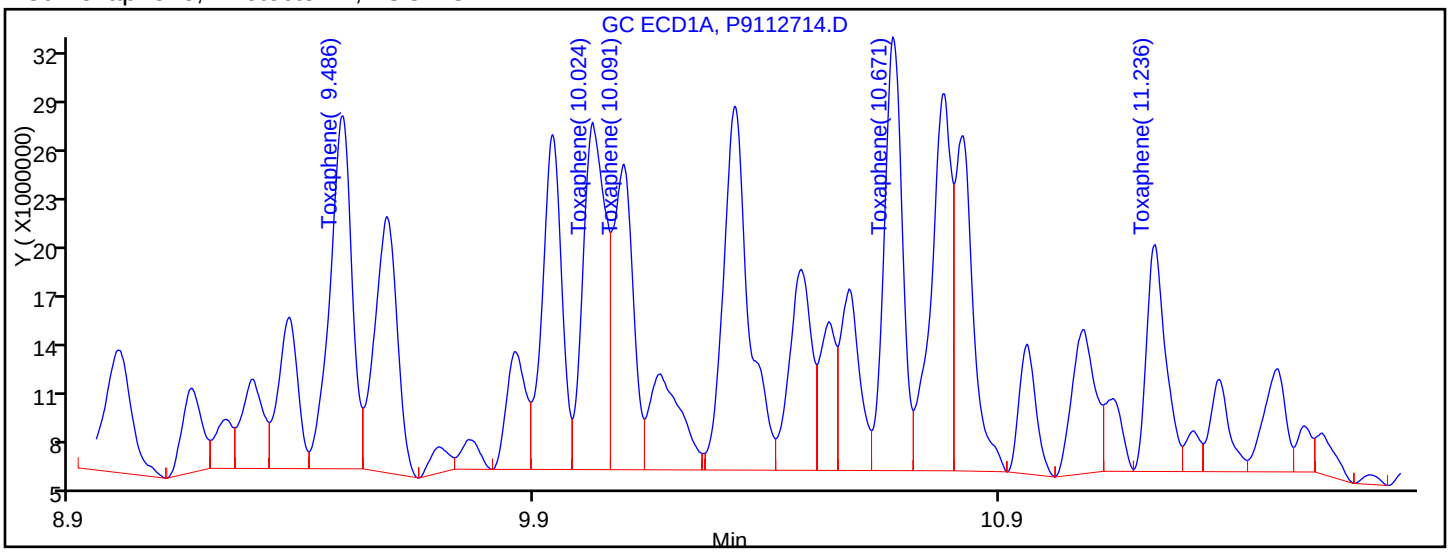
Report Date: 29-Nov-2012 09:55:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D

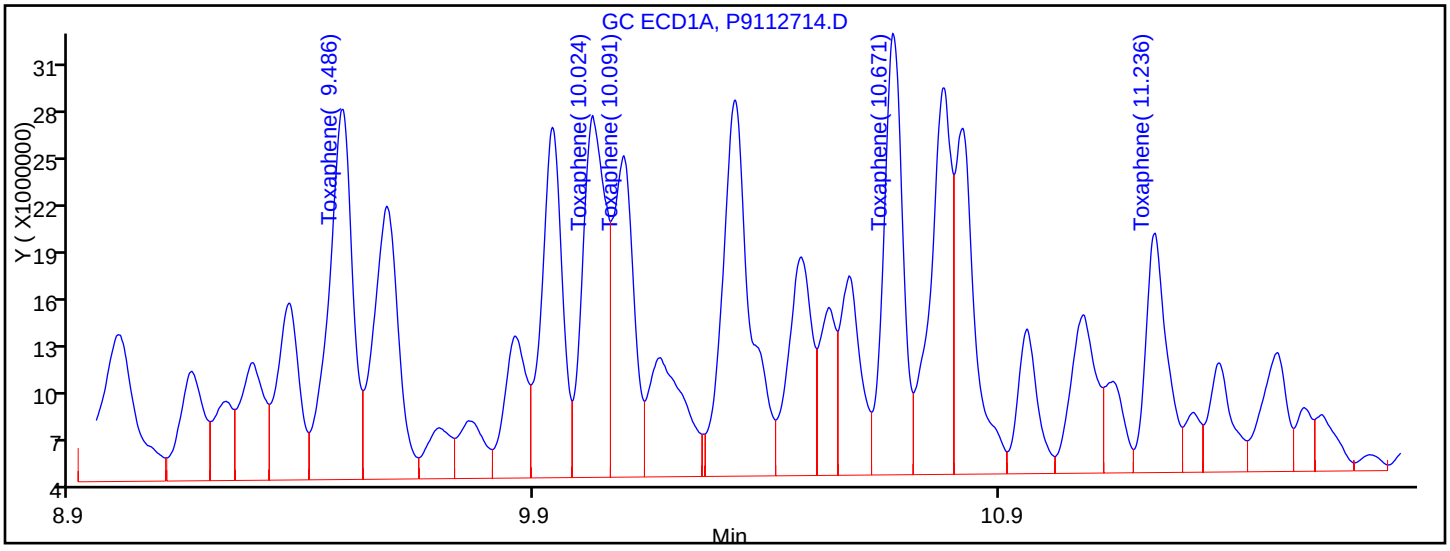
Injection Date:	28-Nov-2012 07:46:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.486	Response = 67959678	M
RT = 10.024	Response = 68741090	M
RT = 10.091	Response = 53142358	M
RT = 10.671	Response = 69286622	M
RT = 11.236	Response = 38329364	M



Manual Integration Results

RT = 9.486	Response = 80907243	M
RT = 10.024	Response = 77060439	M
RT = 10.091	Response = 60423711	M
RT = 10.671	Response = 77201216	M
RT = 11.236	Response = 46432367	M

Reviewer: vandorenc, 29-Nov-2012 09:41:33

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D		
Lims ID:	STD TOX4	Client ID:	
Inject. Date:	28-Nov-2012 08:14:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015316-015		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	66500	Lims Sample ID:	15
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:27	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:44:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.484	9.486	-0.002	160569651	1.95		100.0	M
1	2	10.022	10.024	-0.002	156274458	1.94	75.2- 115.2	97.3	M
1	3	10.089	10.091	-0.002	117145923	1.95	54.7- 94.7	73.0	M
1	4	10.672	10.671	0.001	154906567	1.96	75.4- 115.4	96.5	M
1	5	11.234	11.236	-0.002	95033349	2.02	37.4- 77.4	59.2	M
			Average of Peak Amounts =			1.96			
2	100	10.382	10.382	0.000	348824562	1.80		100.0	M
2	2	11.398	11.398	0.000	470139725	1.87	108.0- 148.0	134.8	M
2	3	11.746	11.746	0.000	179113237	1.90	28.1- 68.1	51.3	M
2	4	12.149	12.148	0.001	350034030	1.91	72.6- 112.6	100.3	M
2	5	12.534	12.534	0.000	117886645	1.95	9.6- 49.6	33.8	M
			Average of Peak Amounts =			1.88			
						RPD = 4.03			

QC Flag Legend

Review Flags
M - Manually Integrated

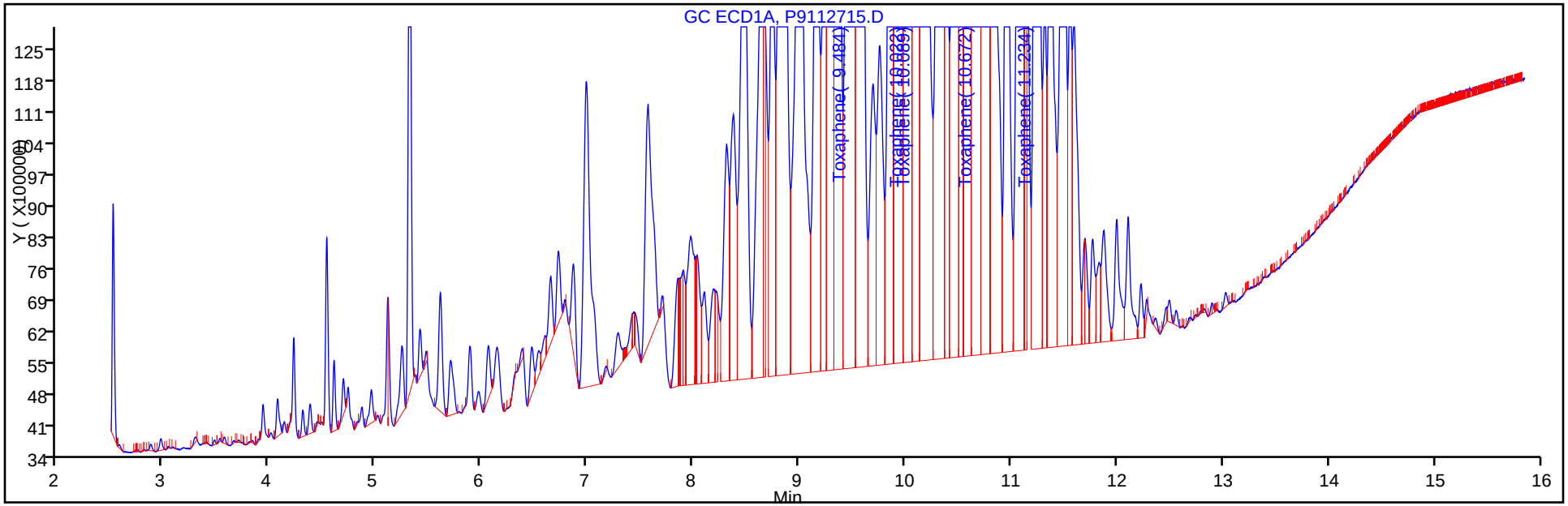
Report Date: 29-Nov-2012 09:55:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

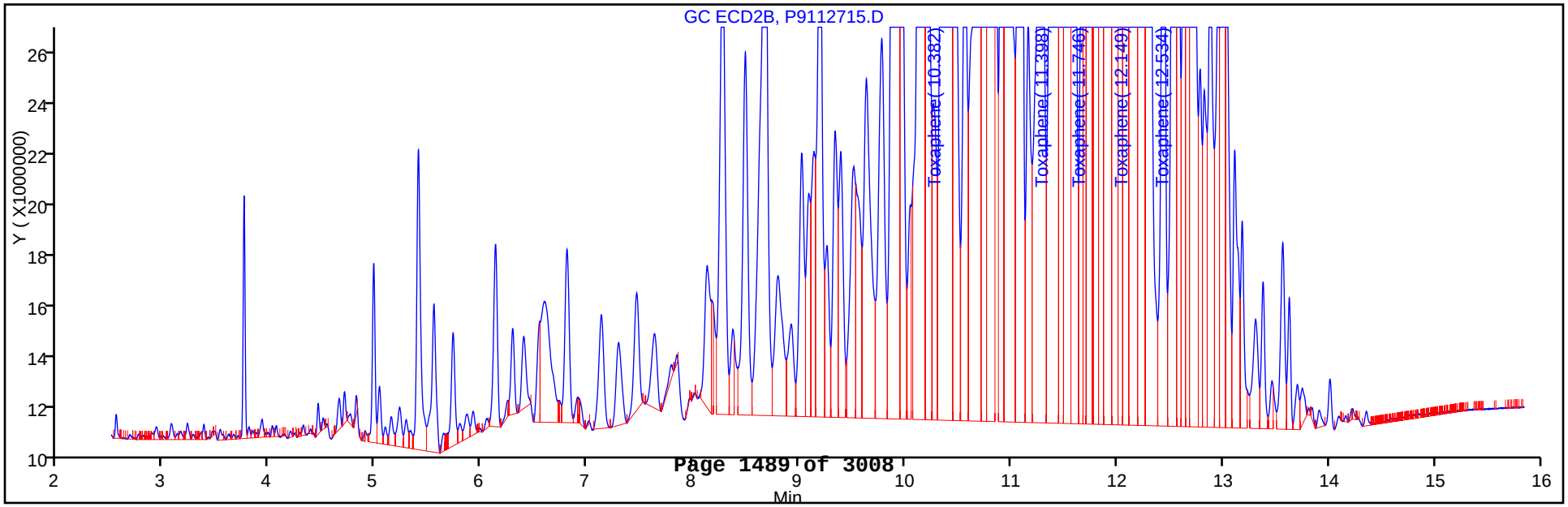
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D

Injection Date:	28-Nov-2012 08:14:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



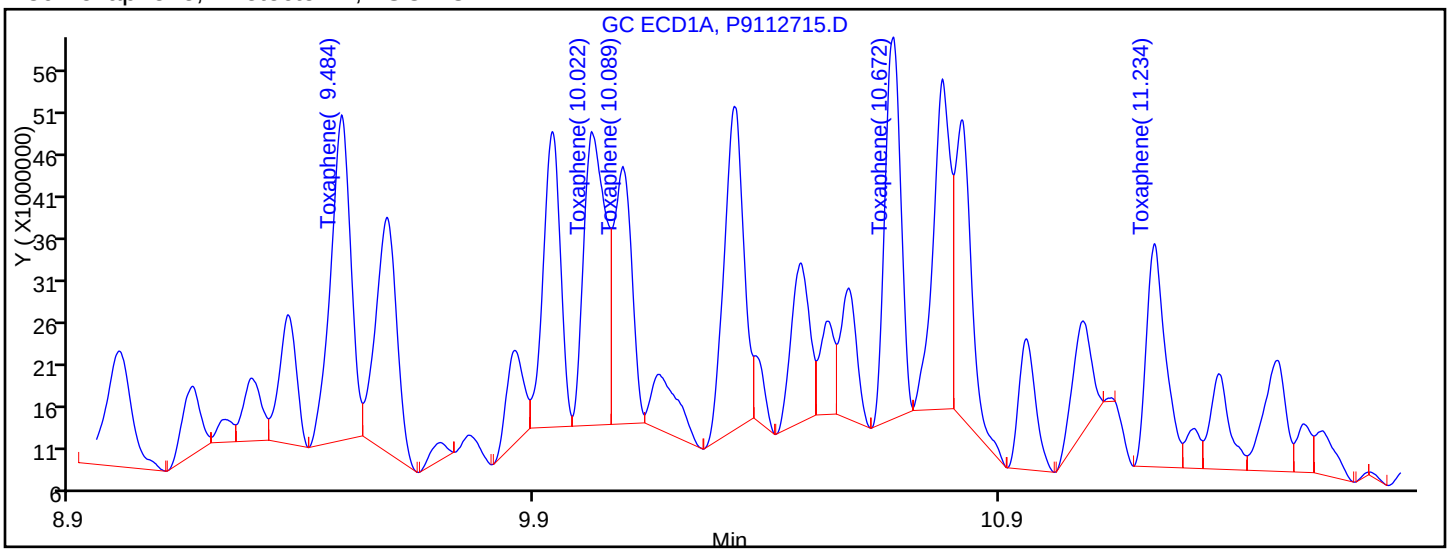
Report Date: 29-Nov-2012 09:55:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D

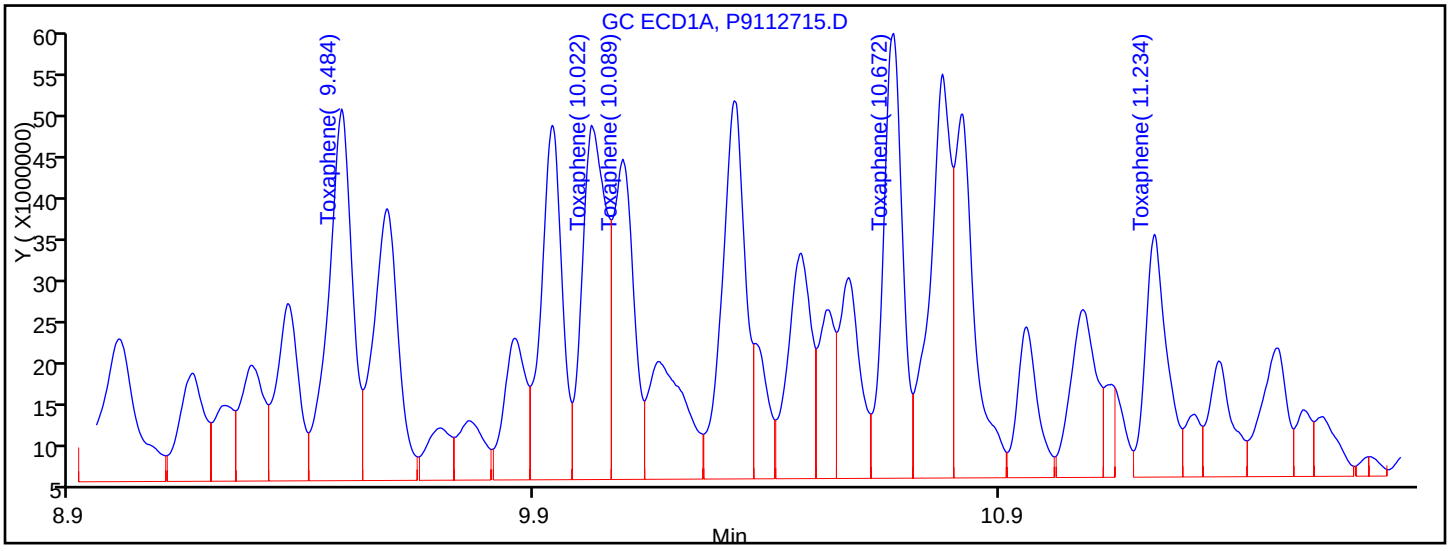
Injection Date:	28-Nov-2012 08:14:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.484	Response = 115596323	M
RT = 10.022	Response = 114545722	M
RT = 10.089	Response = 80855794	M
RT = 10.672	Response = 107394497	M
RT = 11.234	Response = 75599910	M



Manual Integration Results

RT = 9.484	Response = 160569651	M
RT = 10.022	Response = 156274458	M
RT = 10.089	Response = 117145923	M
RT = 10.672	Response = 154906567	M
RT = 11.234	Response = 95033349	M

Reviewer: vandorenc, 29-Nov-2012 09:44:18

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Lims ID: STD TOX5 Client ID:
Inject. Date: 28-Nov-2012 08:42:02 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015316-016
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 66500 Lims Sample ID: 16
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:29 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:44:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.485	9.486	-0.001	434406682	5.27		100.0	M
1	2	10.026	10.024	0.002	408799446	5.07	75.2- 115.2	94.1	M
1	3	10.094	10.091	0.003	330021479	5.49	54.7- 94.7	76.0	M
1	4	10.672	10.671	0.001	425683388	5.38	75.4- 115.4	98.0	M
1	5	11.236	11.236	0.000	269041226	5.71	37.4- 77.4	61.9	M
			Average of Peak Amounts =			5.39			
2	100	10.383	10.382	0.001	926576092	4.79		100.0	M
2	2	11.397	11.398	-0.001	1285442157	5.11	108.0- 148.0	138.7	M
2	3	11.747	11.746	0.001	514771352	5.46	28.1- 68.1	55.6	M
2	4	12.150	12.148	0.002	983492026	5.36	72.6- 112.6	106.1	M
2	5	12.535	12.534	0.001	344613683	5.69	9.6- 49.6	37.2	M
			Average of Peak Amounts =			5.28			
						RPD = 1.96			

QC Flag Legend

Review Flags
M - Manually Integrated

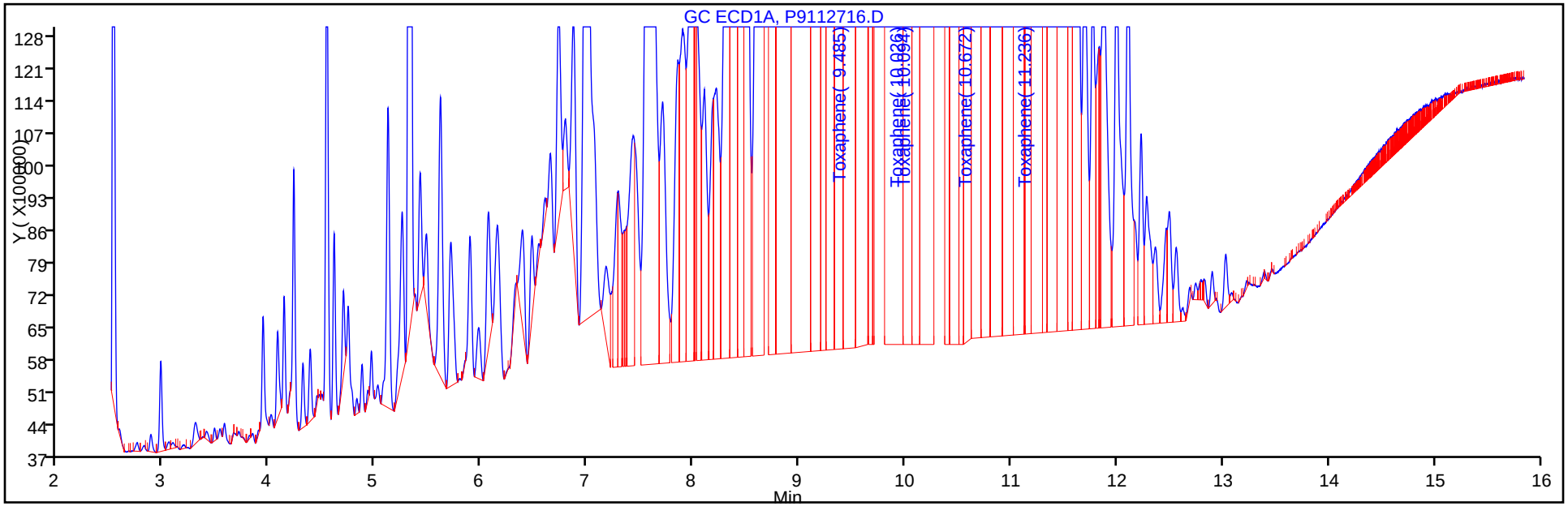
Report Date: 29-Nov-2012 09:55:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

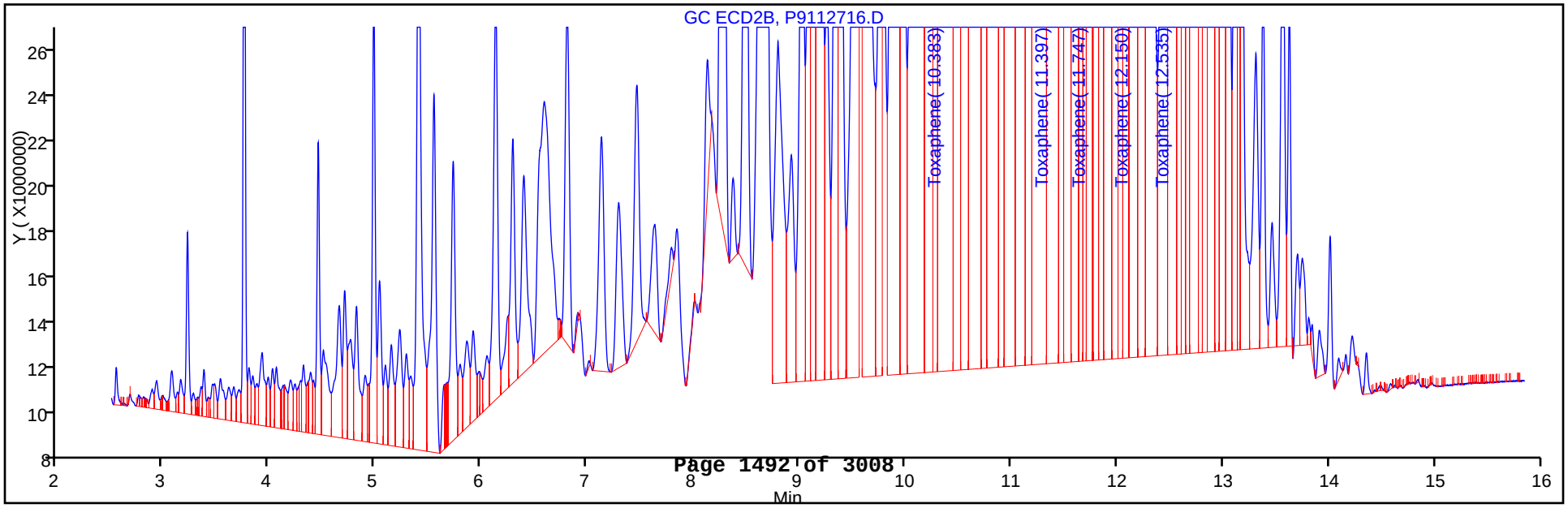
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D

Injection Date:	28-Nov-2012 08:42:02	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



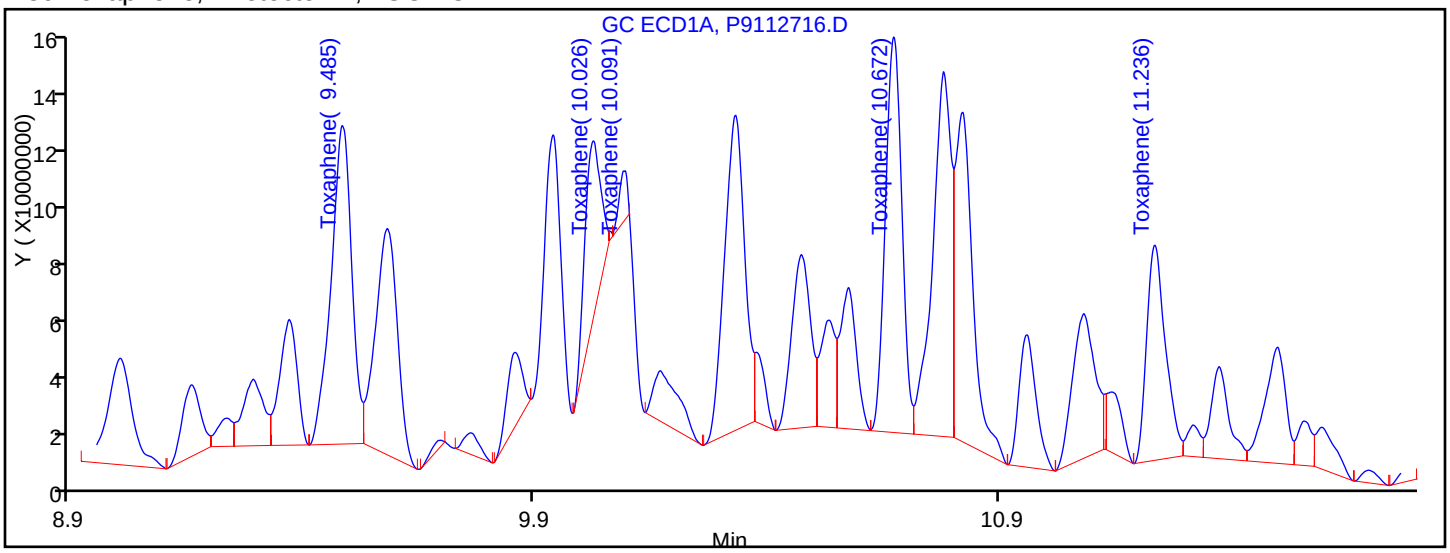
Report Date: 29-Nov-2012 09:55:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D

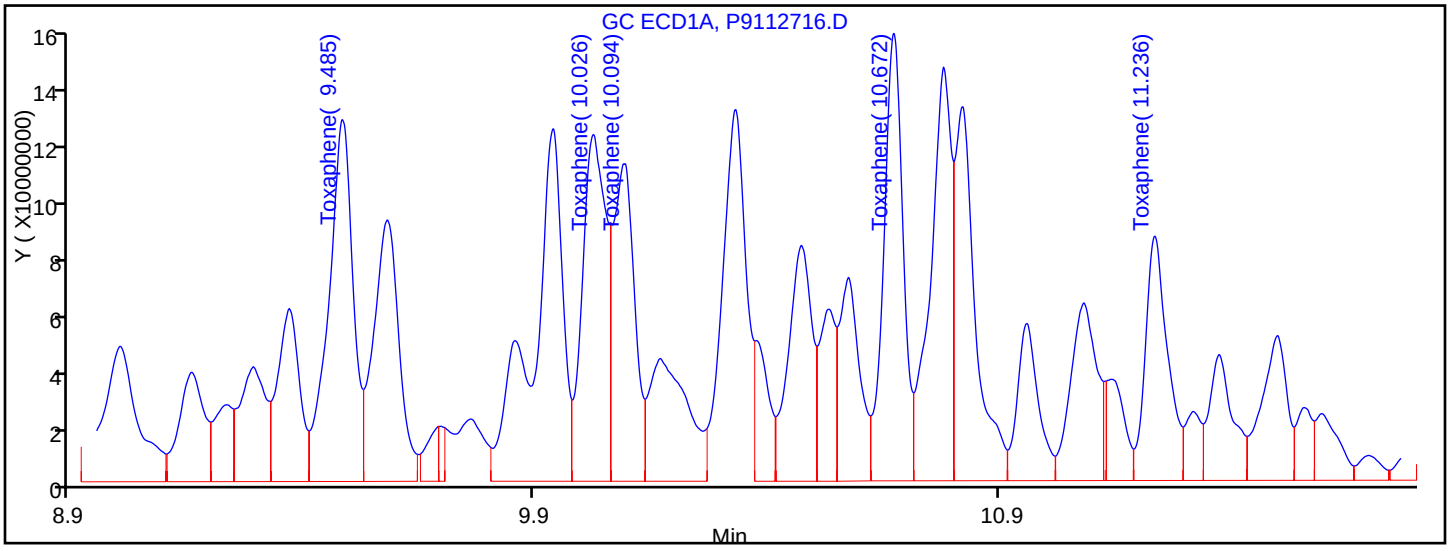
Injection Date:	28-Nov-2012 08:42:02	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.485	Response = 315878934	M
RT = 10.026	Response = 136588031	M
RT = 10.091	Response = 19641023	M
RT = 10.672	Response = 312692020	M
RT = 11.236	Response = 195237610	M



Manual Integration Results

RT = 9.485	Response = 434406682	M
RT = 10.026	Response = 408799446	M
RT = 10.094	Response = 330021479	M
RT = 10.672	Response = 425683388	M
RT = 11.236	Response = 269041226	M

Reviewer: vandorenc, 29-Nov-2012 09:44:43

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	10.379	10.381	10.382	10.382	10.383						10.352 - 10.412	10.381
Toxaphene Peak 2	11.400	11.397	11.398	11.398	11.397						11.369 - 11.429	11.398
Toxaphene Peak 3	11.746	11.748	11.746	11.746	11.747						11.716 - 11.776	11.747
Toxaphene Peak 4	12.149	12.148	12.148	12.149	12.150						12.118 - 12.178	12.149
Toxaphene Peak 5	12.536	12.535	12.534	12.534	12.535						12.505 - 12.565	12.535

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	211025170 185315218	213860044	182034158	174412281	Ave		193329374				9.3		20.0			
Toxaphene Peak 2	261088705 257088431	272157082	232967561	235069863	Ave		251674328				6.8		20.0			
Toxaphene Peak 3	91491890 102954270	100131912	87578224	89556619	Ave		94342583.0				7.2		20.0			
Toxaphene Peak 4	181682035 196698405	196064032	168652486	175017015	Ave		183622795				6.8		20.0			
Toxaphene Peak 5	55098805 68922737	65950196	53896308	58943322	Ave		60562273.6				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	42205034	106930022	182034158	348824562	926576092	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	52217741	136078541	232967561	470139725	1285442157	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	18298378	50065956	87578224	179113237	514771352	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	36336407	98032016	168652486	350034030	983492026	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	11019761	32975098	53896308	117886645	344613683	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D
Lims ID: STD TOX 1 Client ID:
Inject. Date: 28-Nov-2012 06:50:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015316-012
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 66500 Lims Sample ID: 12
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:19 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:40:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	16190047	0.1966		100.0	M
1	2	10.025	10.023	0.002	16592973	0.2059	75.2- 115.2	102.5	M
1	3	10.090	10.091	-0.001	10932626	0.1819	54.7- 94.7	67.5	M
1	4	10.673	10.671	0.002	14970587	0.1890	75.4- 115.4	92.5	M
1	5	11.233	11.233	0.000	8465150	0.1798	37.4- 77.4	52.3	M
			Average of Peak Amounts =			0.1906			
2	100	10.379	10.382	-0.003	42205034	0.2183		100.0	M
2	2	11.400	11.399	0.001	52217741	0.2075	108.0- 148.0	123.7	M
2	3	11.746	11.746	0.000	18298378	0.1940	28.1- 68.1	43.4	M
2	4	12.149	12.148	0.001	36336407	0.1979	72.6- 112.6	86.1	M
2	5	12.536	12.535	0.001	11019761	0.1820	9.6- 49.6	26.1	M
			Average of Peak Amounts =			0.1999			
						RPD = 4.76			

QC Flag Legend

Review Flags
M - Manually Integrated

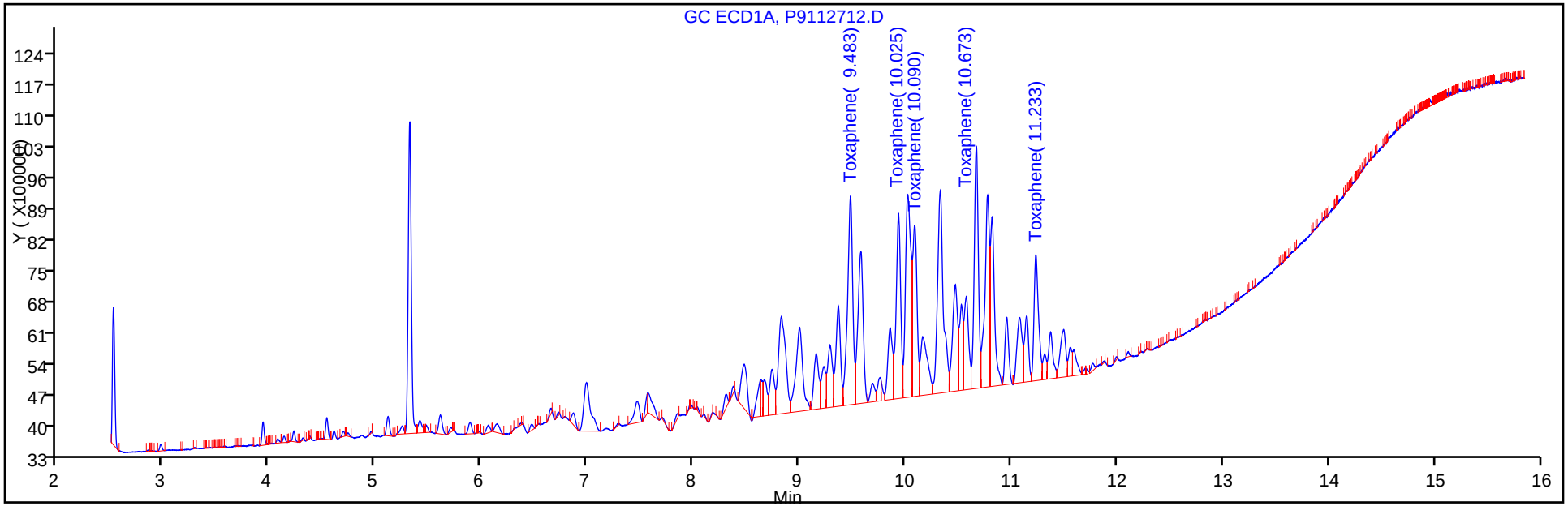
Report Date: 29-Nov-2012 09:55:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

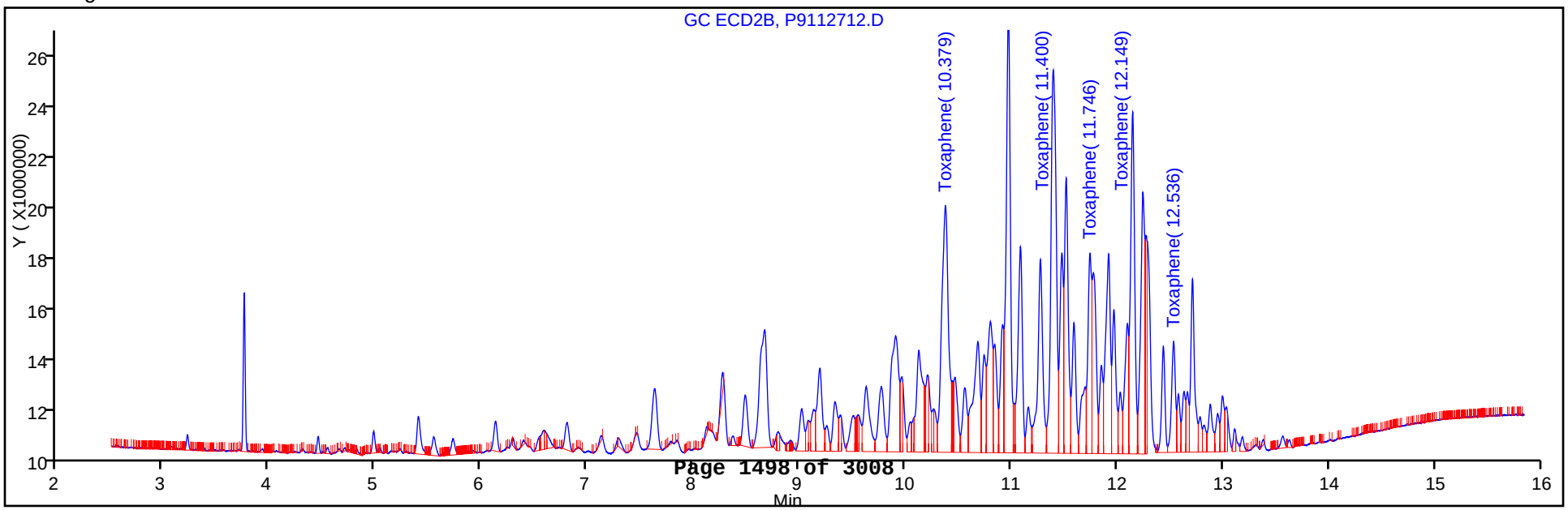
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D

Injection Date:	28-Nov-2012 06:50:48	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



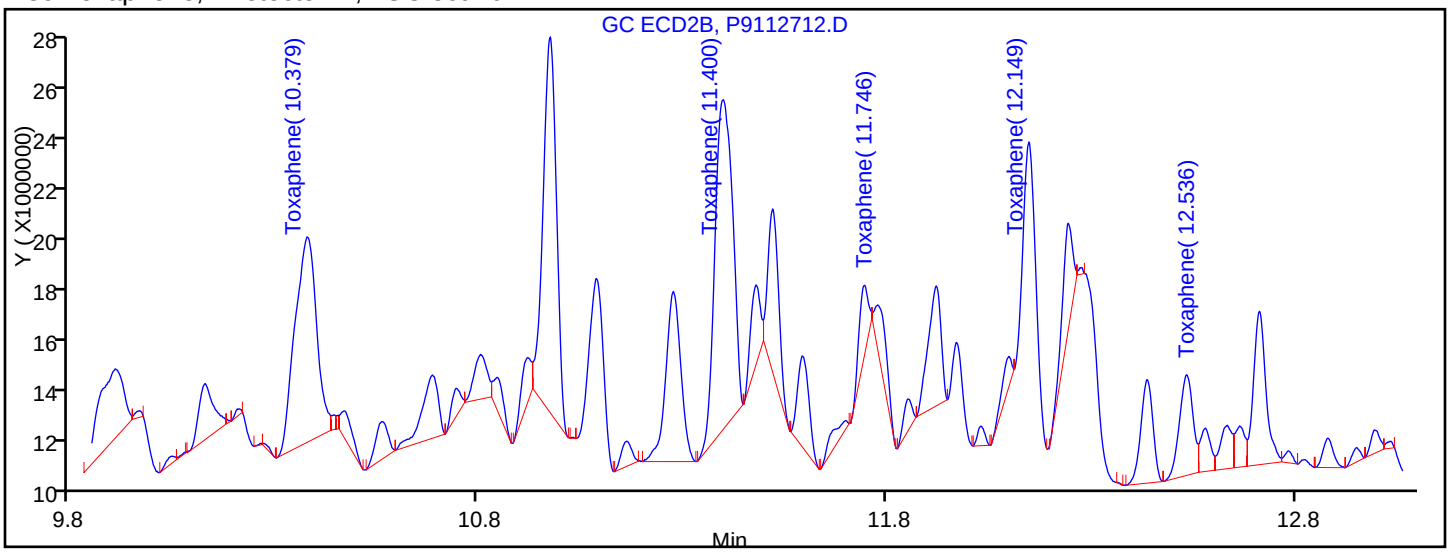
Report Date: 29-Nov-2012 09:55:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D

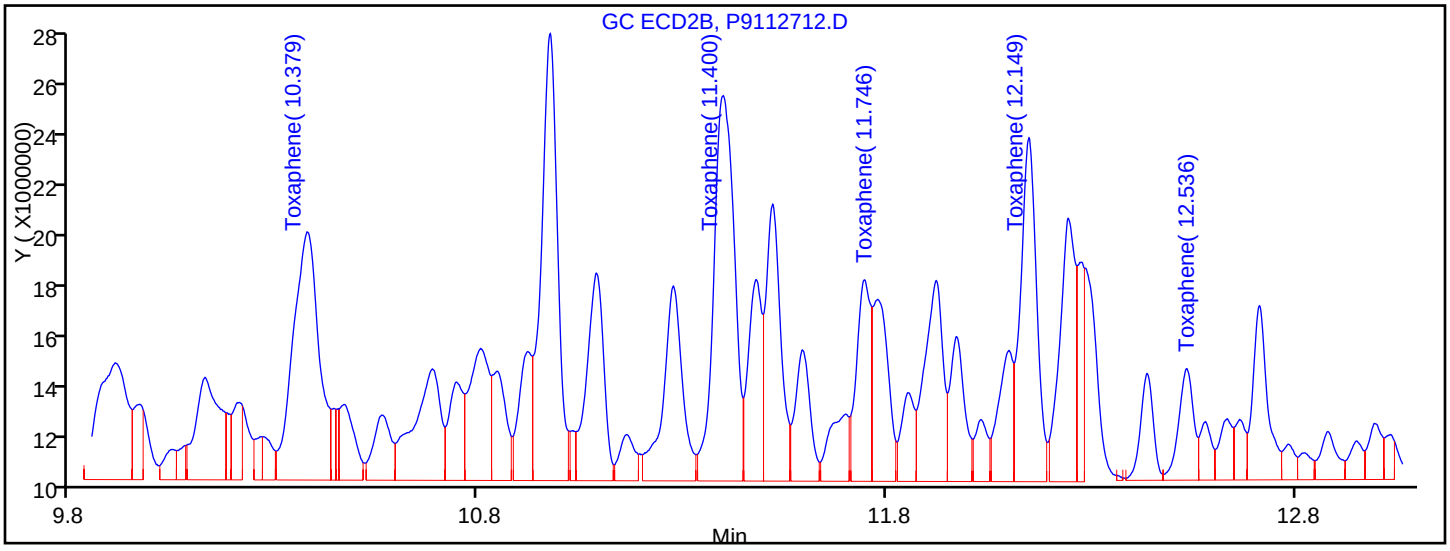
Injection Date:	28-Nov-2012 06:50:48	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.379	Response = 29084870	M
RT = 11.400	Response = 38125015	M
RT = 11.746	Response = 4343604	M
RT = 12.149	Response = 21759596	M
RT = 12.536	Response = 8976491	M



Manual Integration Results

RT = 10.379	Response = 42205034	M
RT = 11.400	Response = 52217741	M
RT = 11.746	Response = 18298378	M
RT = 12.149	Response = 36336407	M
RT = 12.536	Response = 11019761	M

Reviewer: vandorenc, 29-Nov-2012 09:40:57

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112713.D		
Lims ID:	STD TOX2	Client ID:	
Inject. Date:	28-Nov-2012 07:18:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015316-013		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	66500	Lims Sample ID:	13
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:22	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:41:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	41376552	0.5024		100.0	
1	2	10.026	10.023	0.003	41533829	0.5153	75.2- 115.2	100.4	
1	3	10.091	10.091	0.000	30455607	0.5066	54.7- 94.7	73.6	
1	4	10.672	10.671	0.001	40653334	0.5134	75.4- 115.4	98.3	
1	5	11.235	11.233	0.002	22686777	0.4818	37.4- 77.4	54.8	
			Average of Peak Amounts =			0.5039			
2	100	10.381	10.382	-0.001	106930022	0.5531		100.0	M
2	2	11.397	11.399	-0.002	136078541	0.5407	108.0- 148.0	127.3	M
2	3	11.748	11.746	0.002	50065956	0.5307	28.1- 68.1	46.8	M
2	4	12.148	12.148	0.000	98032016	0.5339	72.6- 112.6	91.7	M
2	5	12.535	12.535	0.000	32975098	0.5445	9.6- 49.6	30.8	M
			Average of Peak Amounts =			0.5406			
						RPD = 7.02			

QC Flag Legend

Review Flags
M - Manually Integrated

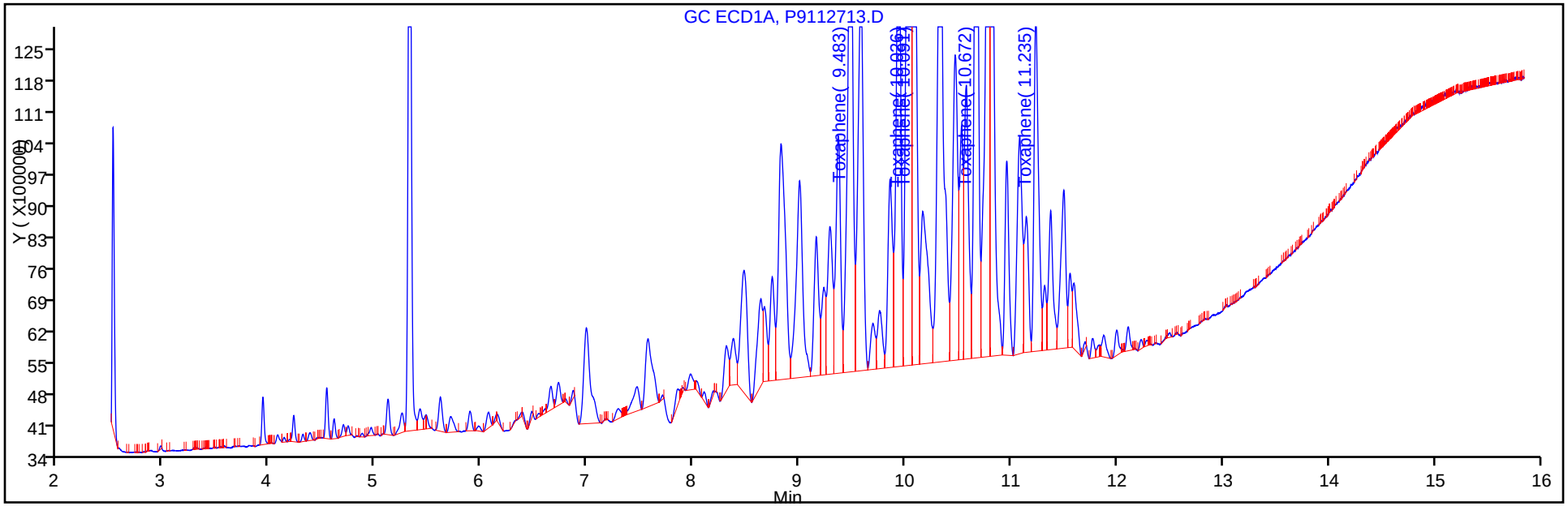
Report Date: 29-Nov-2012 09:55:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

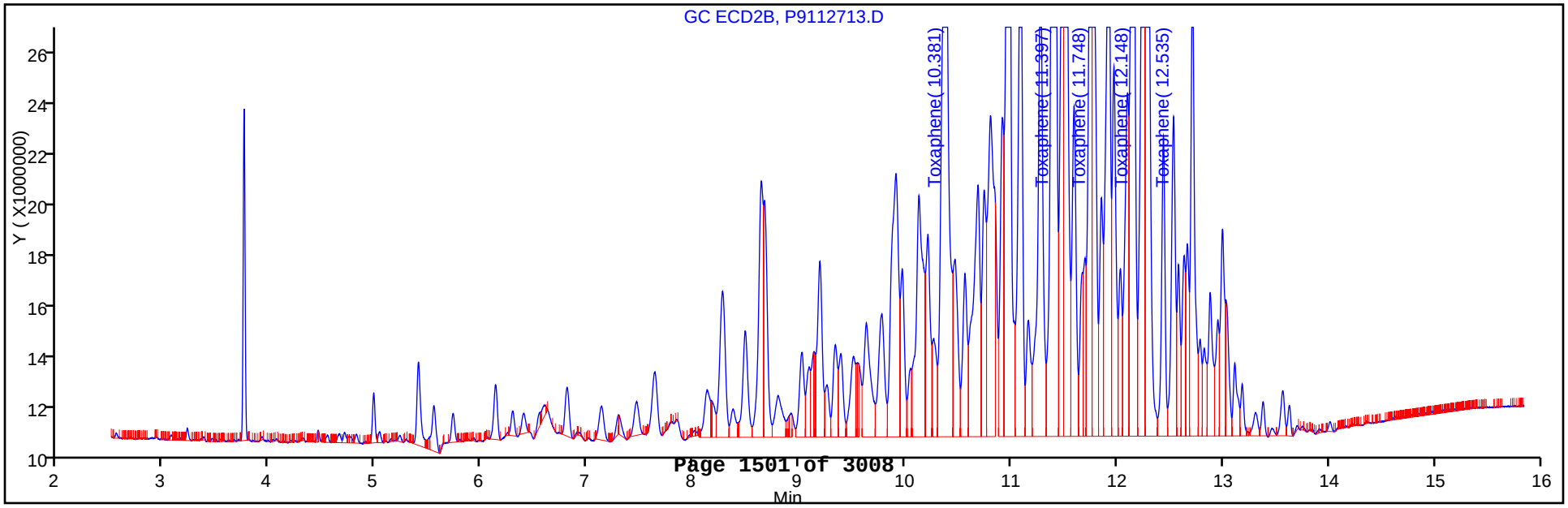
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112713.D

Injection Date:	28-Nov-2012 07:18:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



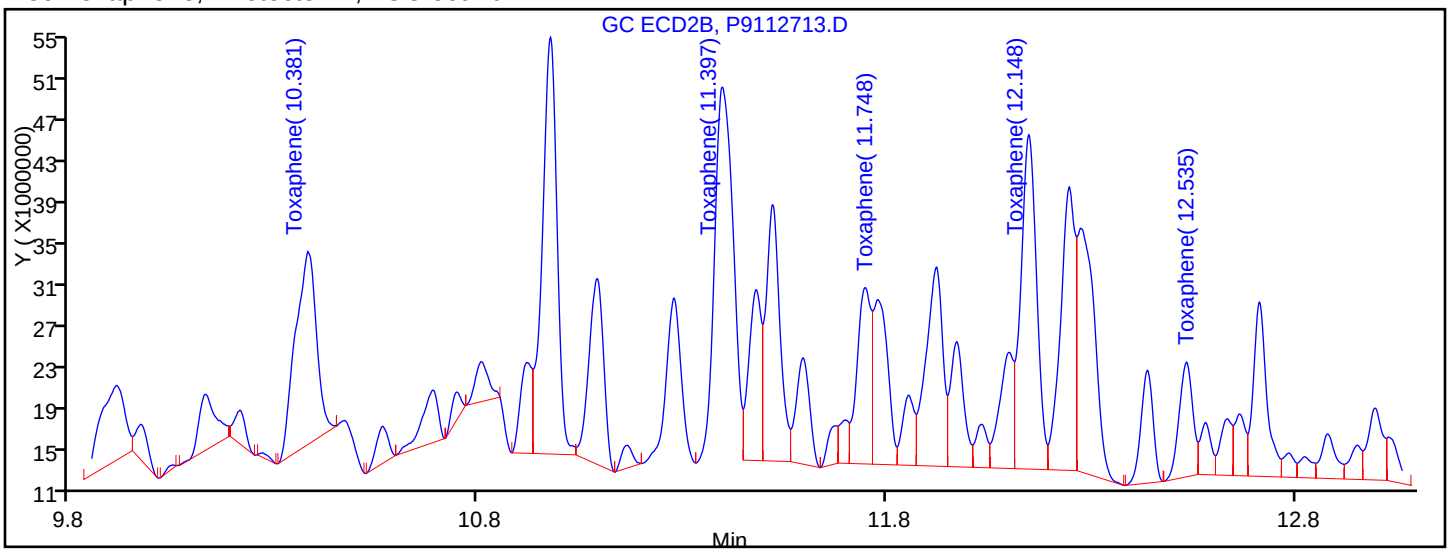
Report Date: 29-Nov-2012 09:55:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112713.D

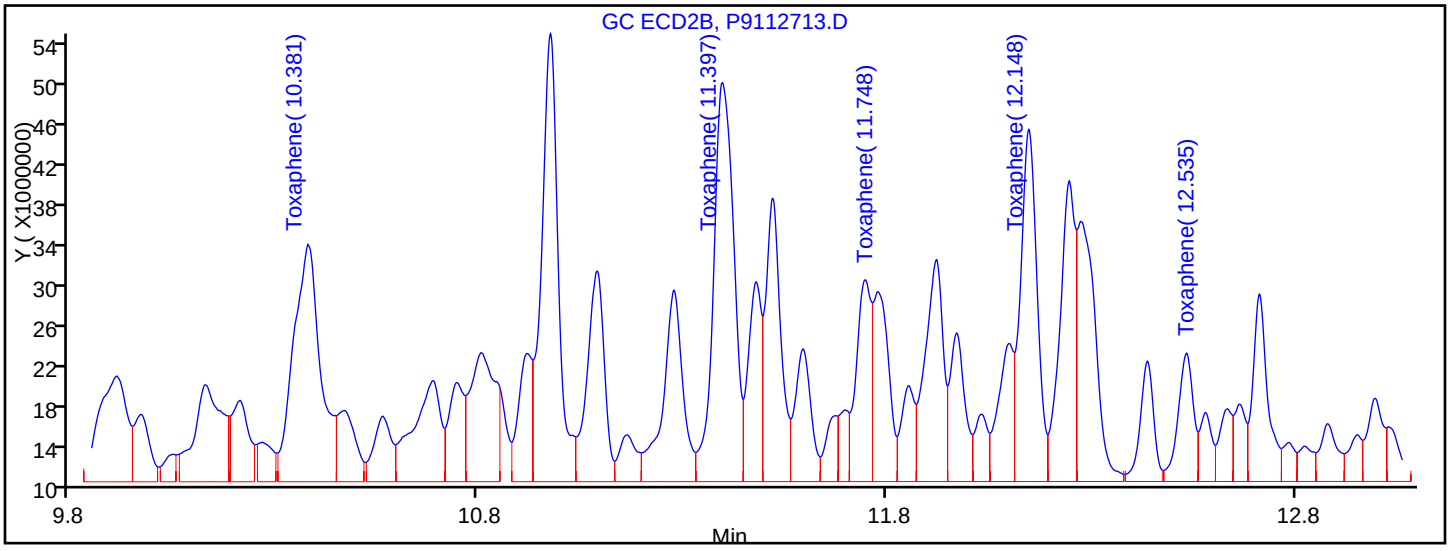
Injection Date:	28-Nov-2012 07:18:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.381	Response = 67131999	M
RT = 11.397	Response = 115021918	M
RT = 11.748	Response = 40574774	M
RT = 12.148	Response = 86910450	M
RT = 12.535	Response = 25807131	M



Manual Integration Results

RT = 10.381	Response = 106930022	M
RT = 11.397	Response = 136078541	M
RT = 11.748	Response = 50065956	M
RT = 12.148	Response = 98032016	M
RT = 12.535	Response = 32975098	M

Reviewer: vandorenc, 29-Nov-2012 09:41:10

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D
Lims ID: STD TOX3 Client ID:
Inject. Date: 28-Nov-2012 07:46:19 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015316-014
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 66500 Lims Sample ID: 14
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:24 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:41:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.486	9.486	0.000	80907243	0.9824		100.0	M
1	2	10.024	10.024	0.000	77060439	0.9561	75.2- 115.2	95.2	M
1	3	10.091	10.091	0.000	60423711	1.01	54.7- 94.7	74.7	M
1	4	10.671	10.671	0.000	77201216	0.9749	75.4- 115.4	95.4	M
1	5	11.236	11.236	0.000	46432367	0.9860	37.4- 77.4	57.4	M
			Average of Peak Amounts =			0.9809			
2	100	10.382	10.382	0.000	182034158	0.9416		100.0	M
2	2	11.398	11.398	0.000	232967561	0.9257	108.0- 148.0	128.0	M
2	3	11.746	11.746	0.000	87578224	0.9283	28.1- 68.1	48.1	M
2	4	12.148	12.148	0.000	168652486	0.9185	72.6- 112.6	92.6	M
2	5	12.534	12.534	0.000	53896308	0.8899	9.6- 49.6	29.6	M
			Average of Peak Amounts =			0.9208			
						RPD = 6.32			

QC Flag Legend

Review Flags
M - Manually Integrated

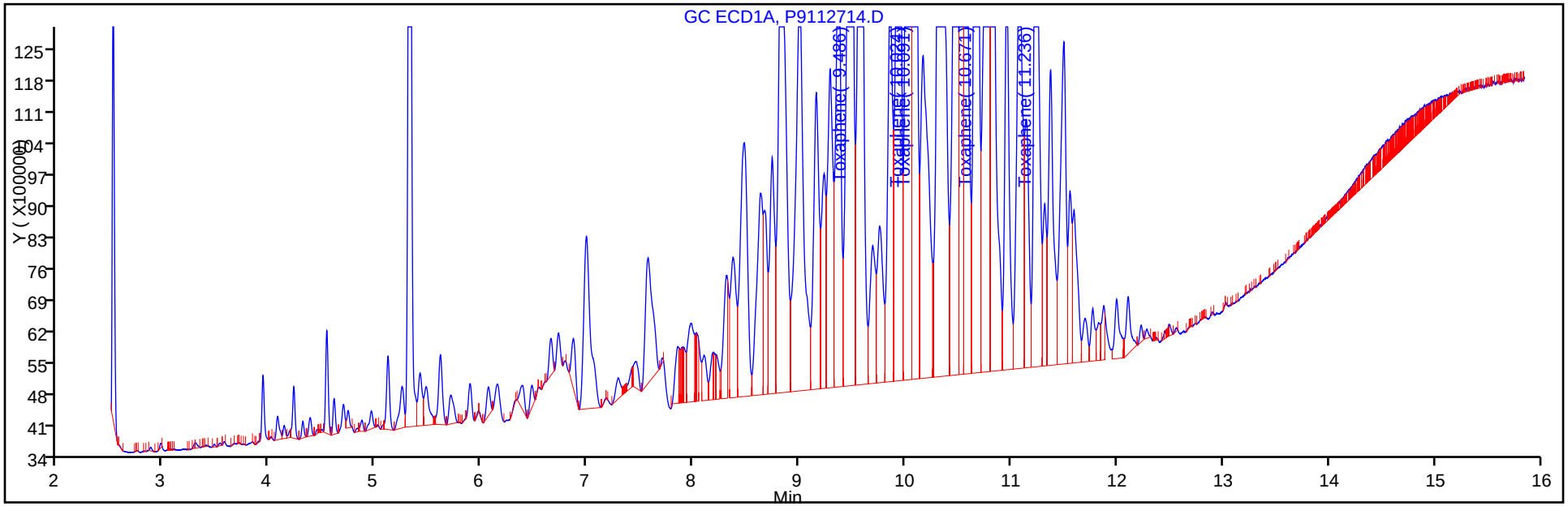
Report Date: 29-Nov-2012 09:55:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

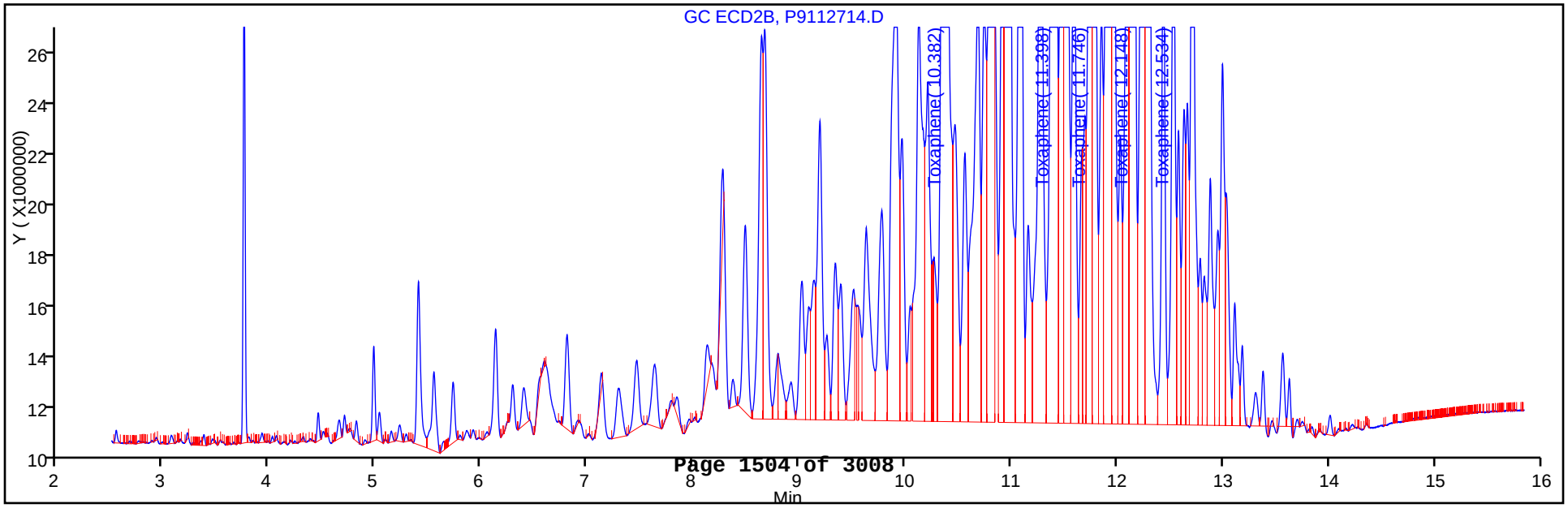
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D

Injection Date:	28-Nov-2012 07:46:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



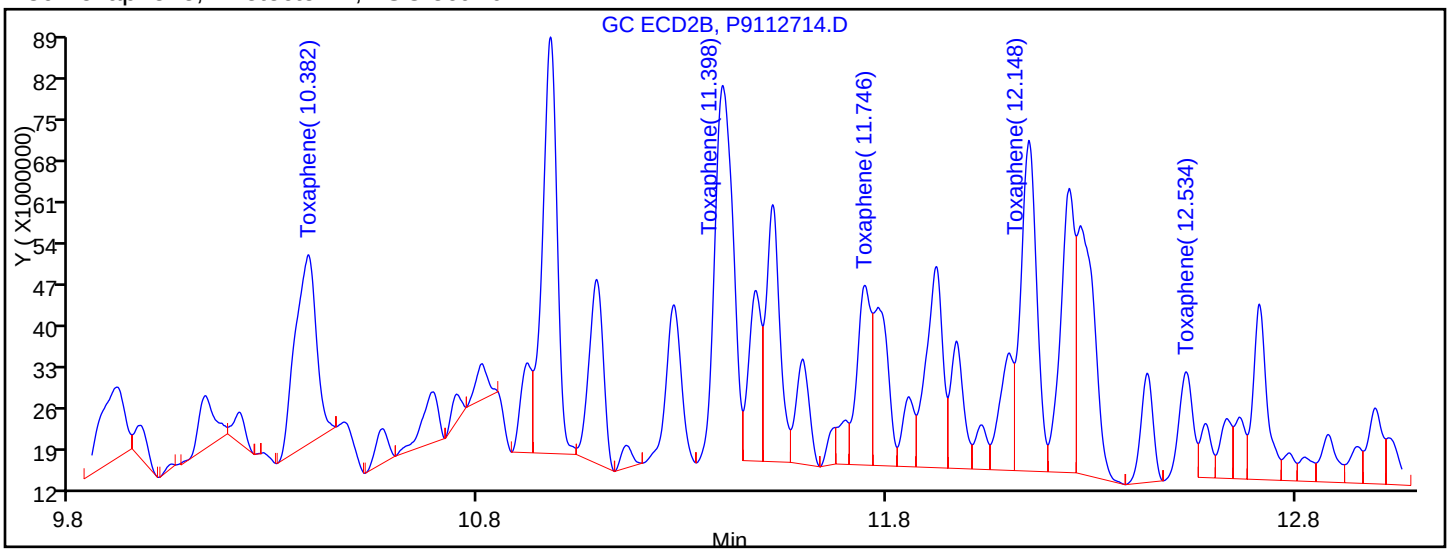
Report Date: 29-Nov-2012 09:55:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D

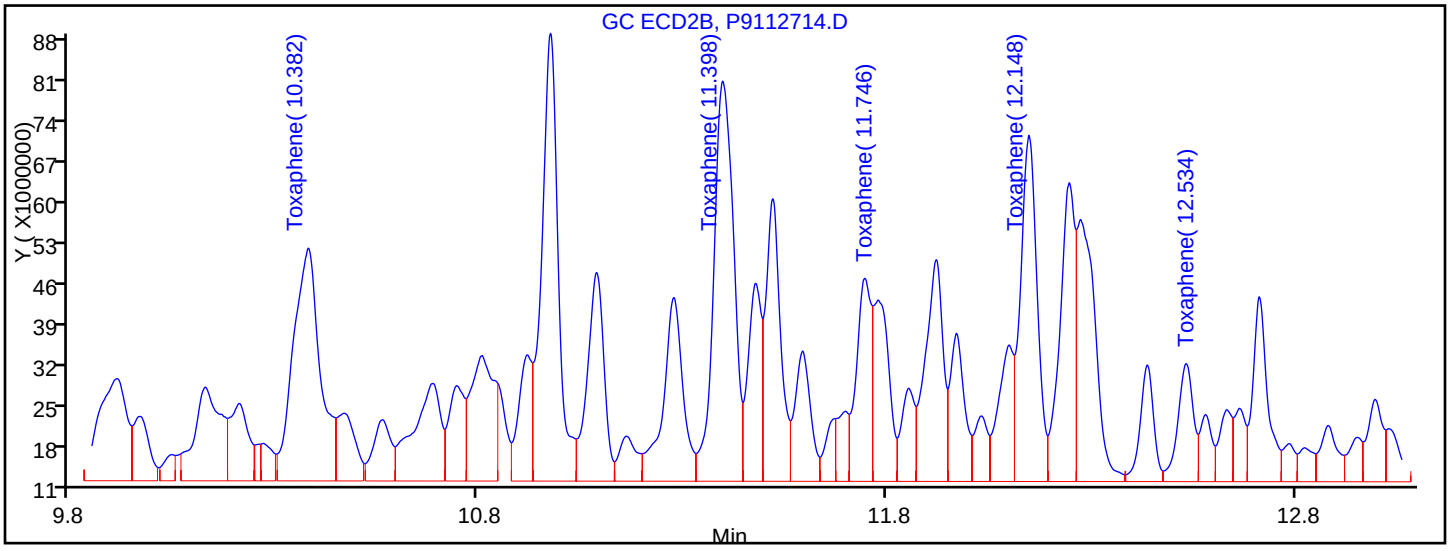
Injection Date:	28-Nov-2012 07:46:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.382	Response = 115653340	M
RT = 11.398	Response = 198840920	M
RT = 11.746	Response = 72314040	M
RT = 12.148	Response = 152027492	M
RT = 12.534	Response = 43043492	M



Manual Integration Results

RT = 10.382	Response = 182034158	M
RT = 11.398	Response = 232967561	M
RT = 11.746	Response = 87578224	M
RT = 12.148	Response = 168652486	M
RT = 12.534	Response = 53896308	M

Reviewer: vandorenc, 29-Nov-2012 09:41:33

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D		
Lims ID:	STD TOX4	Client ID:	
Inject. Date:	28-Nov-2012 08:14:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015316-015		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	66500	Lims Sample ID:	15
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:27	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:44:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.484	9.486	-0.002	160569651	1.95		100.0	M
1	2	10.022	10.024	-0.002	156274458	1.94	75.2- 115.2	97.3	M
1	3	10.089	10.091	-0.002	117145923	1.95	54.7- 94.7	73.0	M
1	4	10.672	10.671	0.001	154906567	1.96	75.4- 115.4	96.5	M
1	5	11.234	11.236	-0.002	95033349	2.02	37.4- 77.4	59.2	M
			Average of Peak Amounts =			1.96			
2	100	10.382	10.382	0.000	348824562	1.80		100.0	M
2	2	11.398	11.398	0.000	470139725	1.87	108.0- 148.0	134.8	M
2	3	11.746	11.746	0.000	179113237	1.90	28.1- 68.1	51.3	M
2	4	12.149	12.148	0.001	350034030	1.91	72.6- 112.6	100.3	M
2	5	12.534	12.534	0.000	117886645	1.95	9.6- 49.6	33.8	M
			Average of Peak Amounts =			1.88			
						RPD = 4.03			

QC Flag Legend

Review Flags
M - Manually Integrated

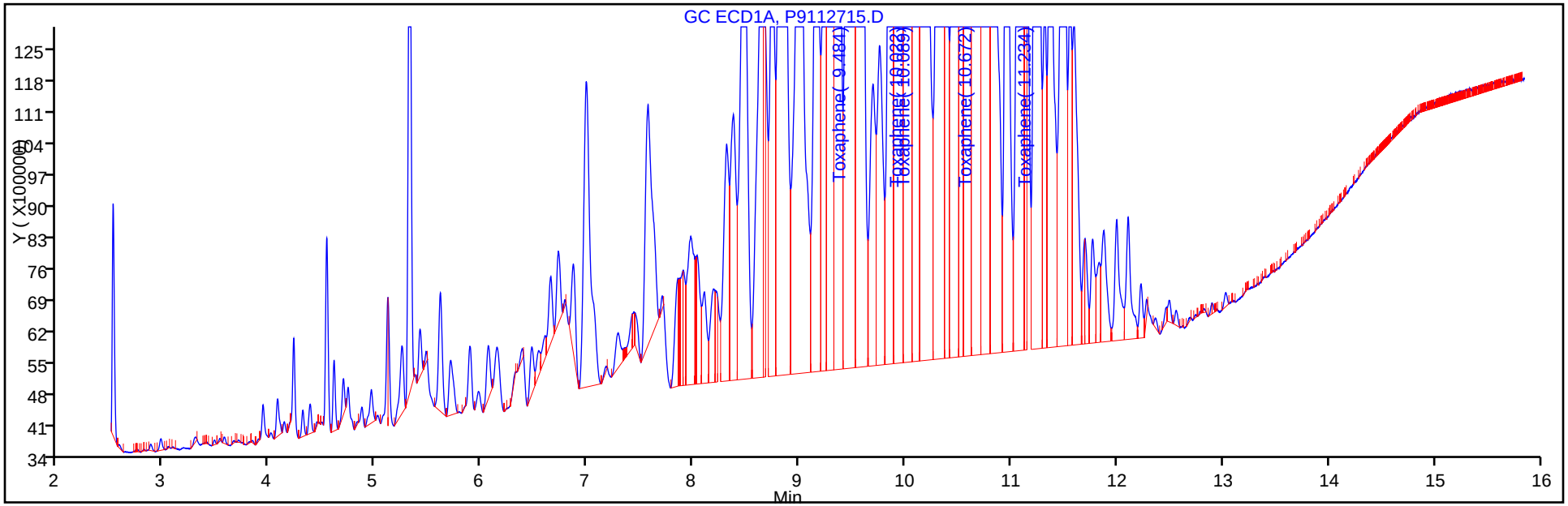
Report Date: 29-Nov-2012 09:55:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

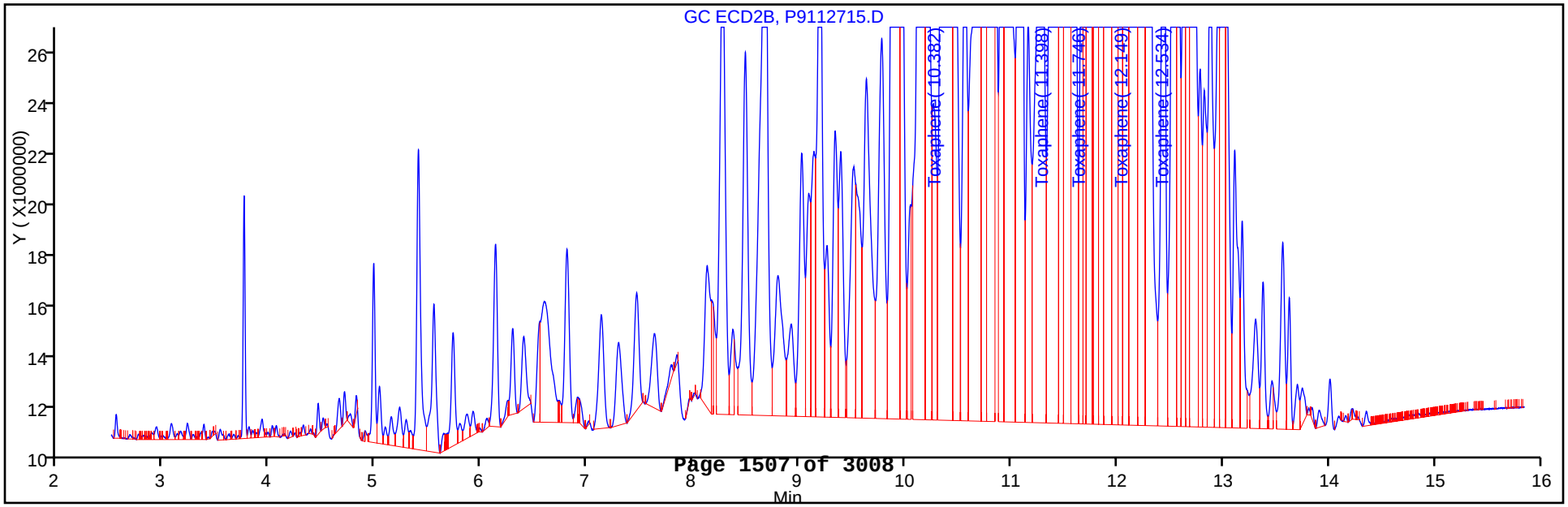
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D

Injection Date:	28-Nov-2012 08:14:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



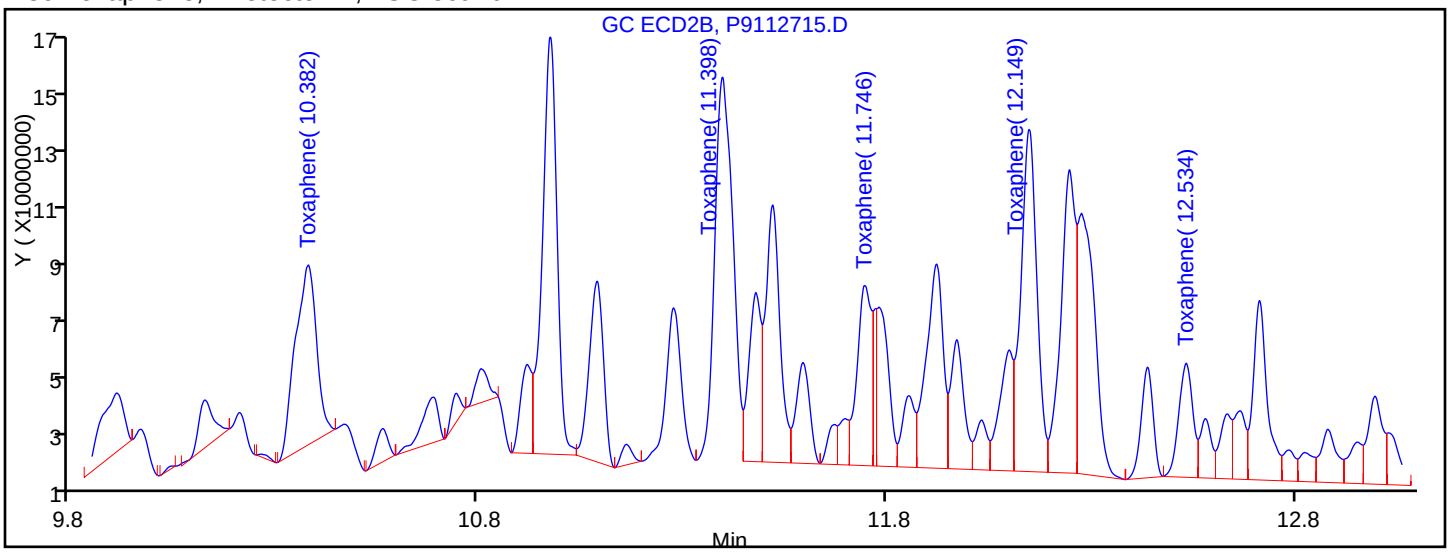
Report Date: 29-Nov-2012 09:55:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D

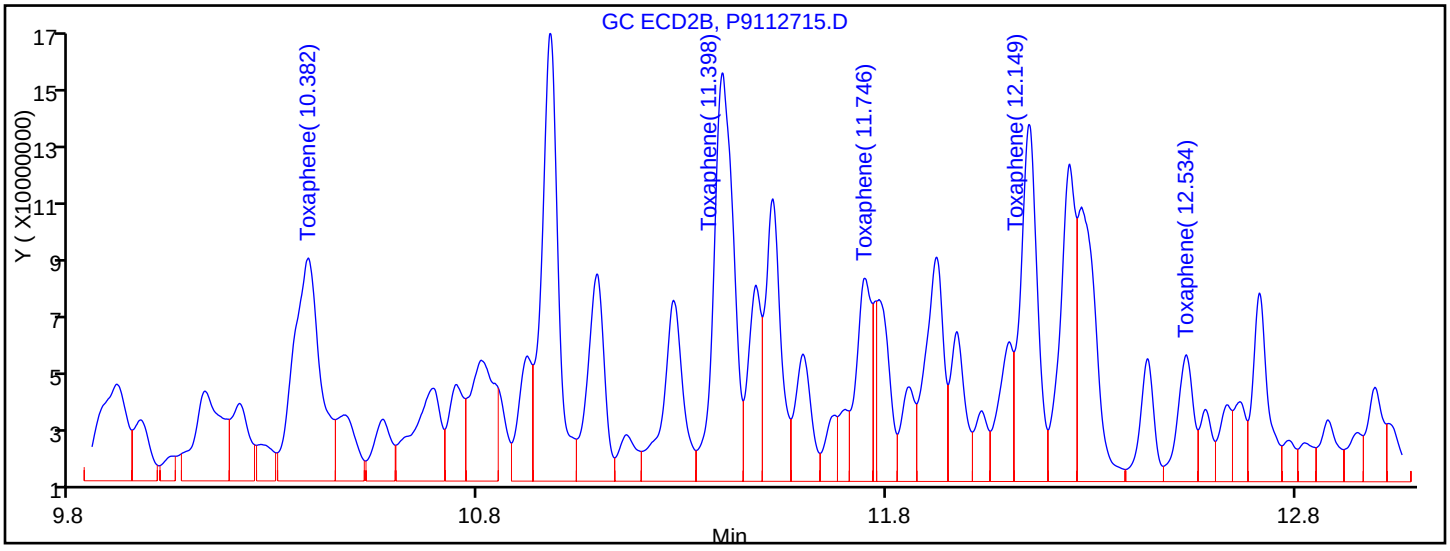
Injection Date:	28-Nov-2012 08:14:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.382	Response = 219422240	M
RT = 11.398	Response = 398309182	M
RT = 11.746	Response = 148387873	M
RT = 12.149	Response = 316283435	M
RT = 12.534	Response = 92604178	M



Manual Integration Results

RT = 10.382	Response = 348824562	M
RT = 11.398	Response = 470139725	M
RT = 11.746	Response = 179113237	M
RT = 12.149	Response = 350034030	M
RT = 12.534	Response = 117886645	M

Reviewer: vandorenc, 29-Nov-2012 09:44:18

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Lims ID:	STD TOX5	Client ID:	
Inject. Date:	28-Nov-2012 08:42:02	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015316-016		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	66500	Lims Sample ID:	16
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:29	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:44:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.485	9.486	-0.001	434406682	5.27		100.0	M
1	2	10.026	10.024	0.002	408799446	5.07	75.2- 115.2	94.1	M
1	3	10.094	10.091	0.003	330021479	5.49	54.7- 94.7	76.0	M
1	4	10.672	10.671	0.001	425683388	5.38	75.4- 115.4	98.0	M
1	5	11.236	11.236	0.000	269041226	5.71	37.4- 77.4	61.9	M
			Average of Peak Amounts =			5.39			
2	100	10.383	10.382	0.001	926576092	4.79		100.0	M
2	2	11.397	11.398	-0.001	1285442157	5.11	108.0- 148.0	138.7	M
2	3	11.747	11.746	0.001	514771352	5.46	28.1- 68.1	55.6	M
2	4	12.150	12.148	0.002	983492026	5.36	72.6- 112.6	106.1	M
2	5	12.535	12.534	0.001	344613683	5.69	9.6- 49.6	37.2	M
			Average of Peak Amounts =			5.28			
						RPD = 1.96			

QC Flag Legend

Review Flags
M - Manually Integrated

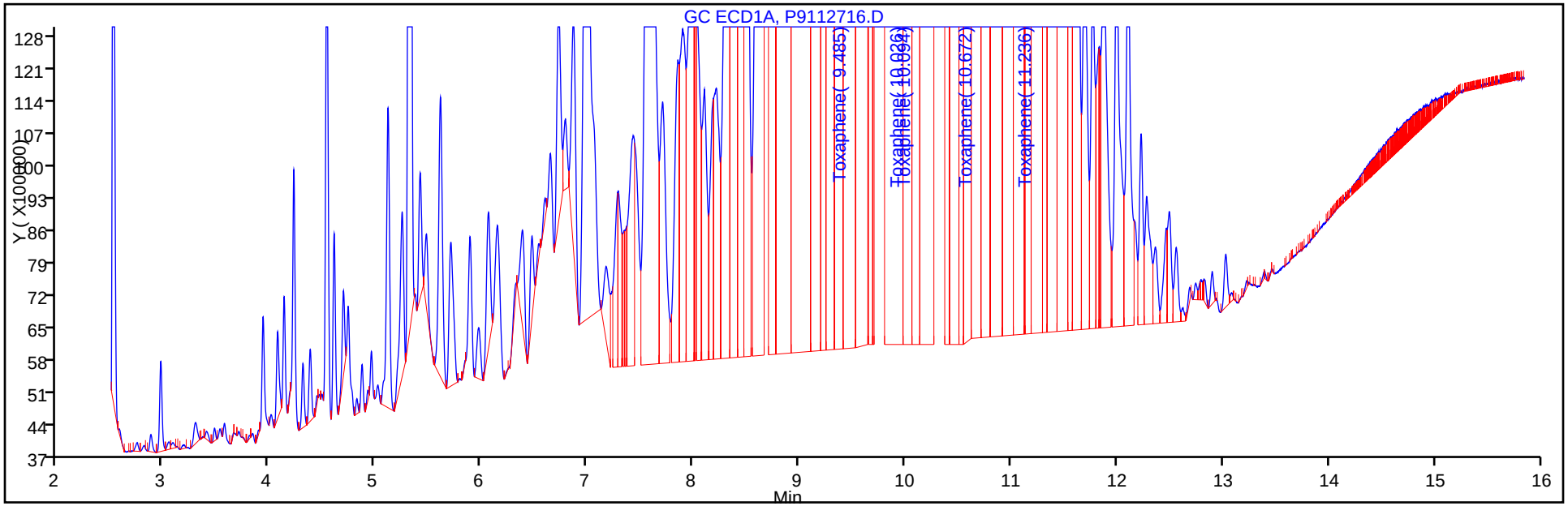
Report Date: 29-Nov-2012 09:55:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

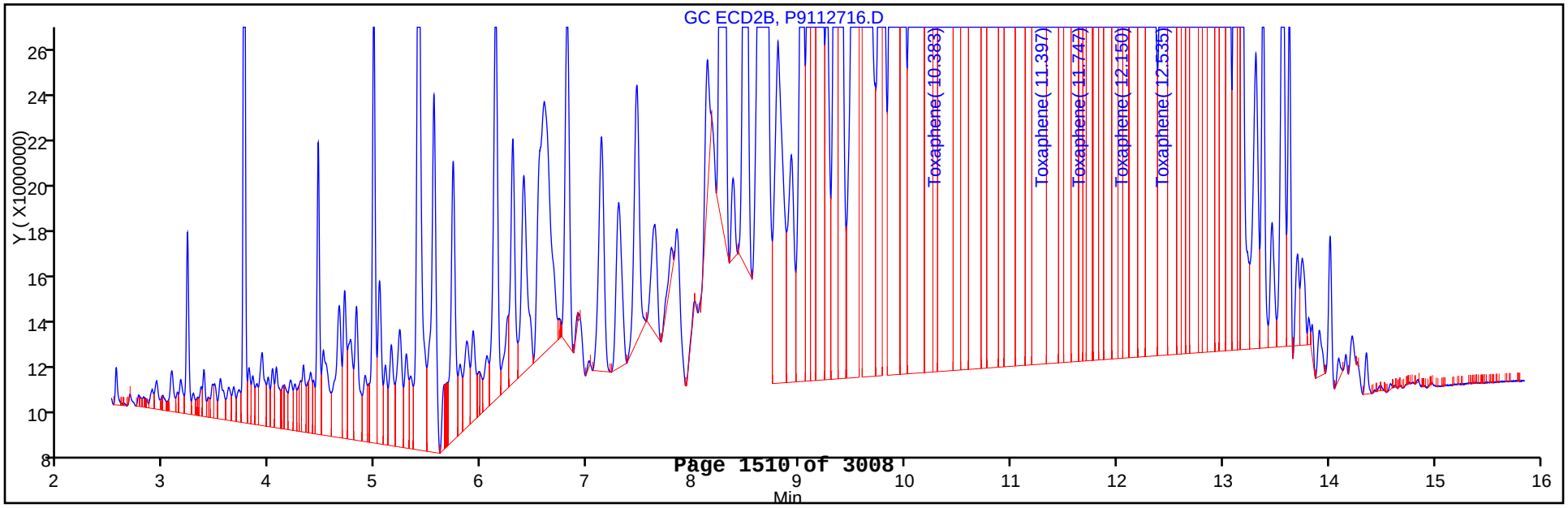
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D

Injection Date:	28-Nov-2012 08:42:02	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



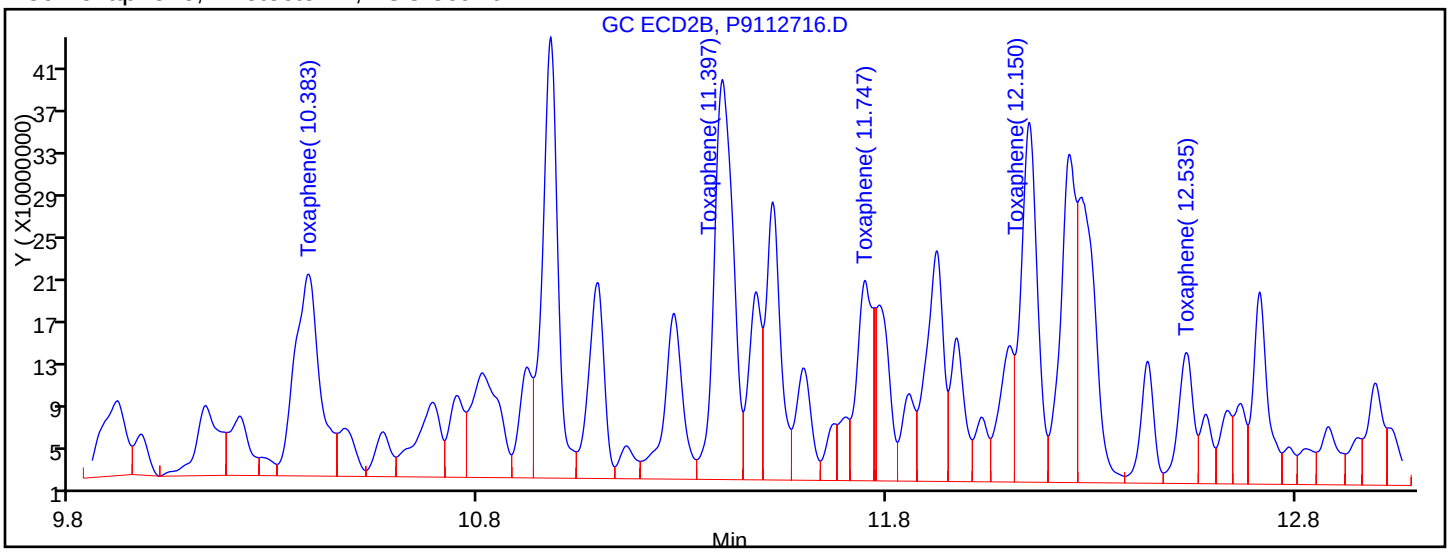
Report Date: 29-Nov-2012 09:55:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D

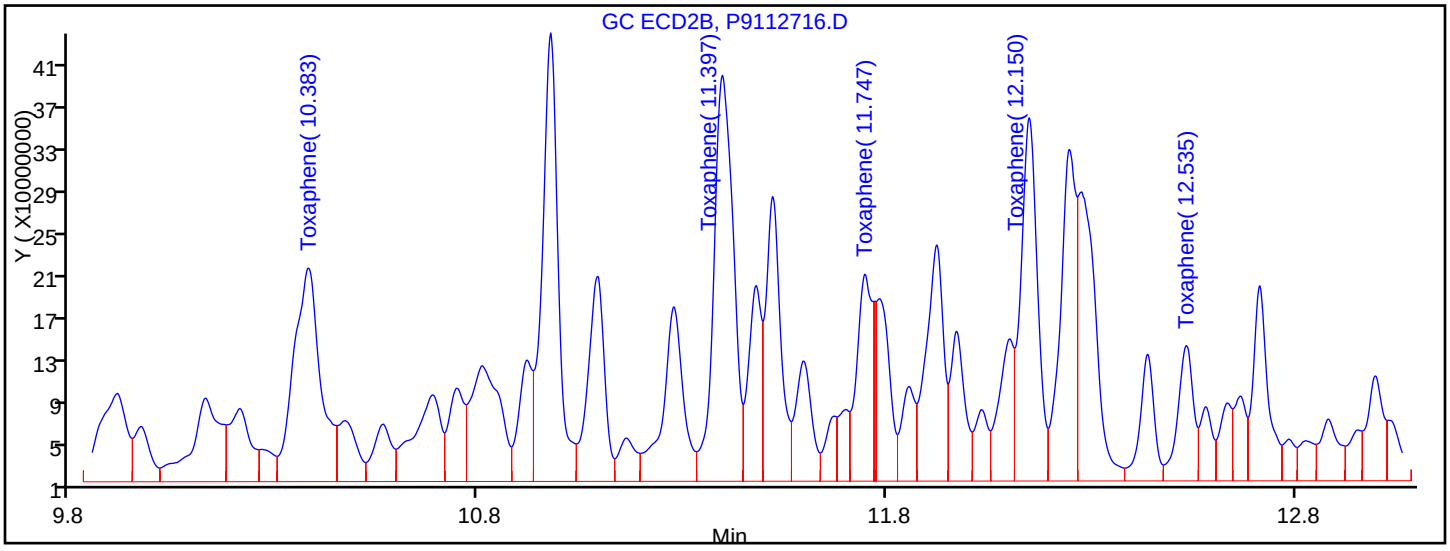
Injection Date:	28-Nov-2012 08:42:02	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.383	Response = 811927536	M
RT = 11.397	Response = 1221225664	M
RT = 11.747	Response = 485955278	M
RT = 12.150	Response = 950727617	M
RT = 12.535	Response = 317342254	M



Manual Integration Results

RT = 10.383	Response = 926576092	M
RT = 11.397	Response = 1285442157	M
RT = 11.747	Response = 514771352	M
RT = 12.150	Response = 983492026	M
RT = 12.535	Response = 344613683	M

Reviewer: vandorenc, 29-Nov-2012 09:44:43

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: PEM 240-66500/4 Calibration Date: 11/28/2012 03:23

Instrument ID: A2HP9 Calib Start Date: 11/06/2012 18:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/06/2012 21:05

Lab File ID: P9112704.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.91	111084018	3.63	15	
Endrin aldehyde	10.16	1418500			
Endrin ketone	11.26	2767198			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.78	161158770	7.83	15	
4,4'-DDD	9.26	8173047			
4,4'-DDE	8.00	5523846			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112704.D
Lims ID: PEM Client ID:
Inject. Date: 28-Nov-2012 03:23:52 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015316-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 66500 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:01 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:33:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.541	3.542	-0.001	50758874	0.0210			
2	100	4.140	4.140	0.000	147332041	0.0207			
						RPD = 1.36			
5 alpha-BHC									
1	100	4.225	4.225	0.000	33184735	0.0105			
2	100	4.978	4.978	0.000	98497625	0.0099			
						RPD = 5.53			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	28505369	0.0106			
2	100	5.548	5.547	0.001	85943105	0.0104			
						RPD = 2.00			
7 beta-BHC									
1	100	4.738	4.739	-0.001	13069179	0.0110			
2	100	5.728	5.726	0.002	40276313	0.0112			
						RPD = 1.88			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	5523846	0.001908			
2	100	9.788	9.785	0.003	13883164	0.001926			
						RPD = 0.94			
17 Endrin									
1	100	8.908	8.908	0.000	111084018	0.0497			
2	100	10.444	10.445	-0.001	288761692	0.0496			
						RPD = 0.23			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	8173047	0.004561			
2	100	10.800	10.810	-0.010	21707316	0.002213			
						RPD = 69.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.779	9.781	-0.002	161158770	0.1135			
2	100	11.292	11.292	0.000	408065806	0.1226			
						RPD = 7.69			
18 Endrin aldehyde									M
1	100	10.158	10.142	0.016	1418500	0.000901			7
2	100	11.383	11.383	0.000	1574378	0.000412			7
						RPD = 74.58			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.723						
2	100		12.365						
19 Endrin ketone									
1	100	11.259	11.260	-0.001	2767198	0.001462			
2	100	12.547	12.552	-0.005	11383027	0.002596			
						RPD = 55.91			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

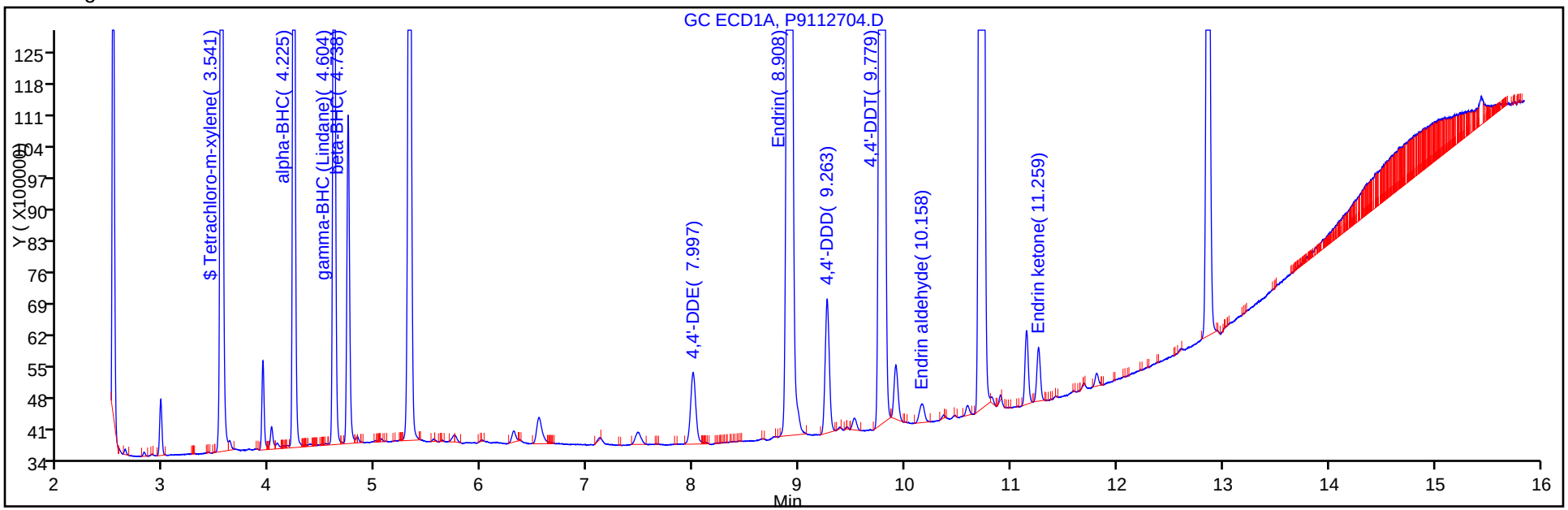
Report Date: 29-Nov-2012 09:55:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

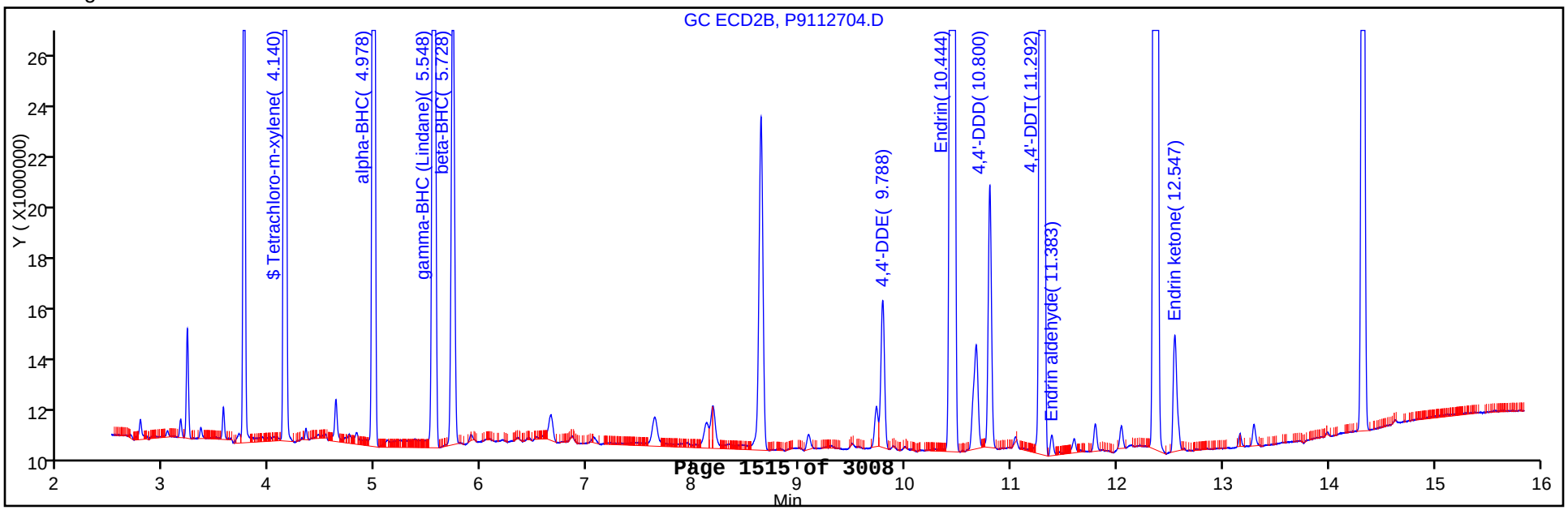
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112704.D

Injection Date:	28-Nov-2012 03:23:52	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: PEM 240-66500/4 Calibration Date: 11/28/2012 03:23

Instrument ID: A2HP9 Calib Start Date: 11/06/2012 18:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/06/2012 21:05

Lab File ID: P9112704.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.44	288761692	4.29	15	
Endrin aldehyde	11.38	1574378			
Endrin ketone	12.55	11383027			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.29	408065806	8.02	15	
4,4'-DDD	10.80	21707316			
4,4'-DDE	9.79	13883164			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112704.D
Lims ID: PEM Client ID:
Inject. Date: 28-Nov-2012 03:23:52 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015316-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 66500 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:01 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:33:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.541	3.542	-0.001	50758874	0.0210			
2	100	4.140	4.140	0.000	147332041	0.0207			
						RPD = 1.36			
5 alpha-BHC									
1	100	4.225	4.225	0.000	33184735	0.0105			
2	100	4.978	4.978	0.000	98497625	0.0099			
						RPD = 5.53			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	28505369	0.0106			
2	100	5.548	5.547	0.001	85943105	0.0104			
						RPD = 2.00			
7 beta-BHC									
1	100	4.738	4.739	-0.001	13069179	0.0110			
2	100	5.728	5.726	0.002	40276313	0.0112			
						RPD = 1.88			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	5523846	0.001908			
2	100	9.788	9.785	0.003	13883164	0.001926			
						RPD = 0.94			
17 Endrin									
1	100	8.908	8.908	0.000	111084018	0.0497			
2	100	10.444	10.445	-0.001	288761692	0.0496			
						RPD = 0.23			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	8173047	0.004561			
2	100	10.800	10.810	-0.010	21707316	0.002213			
						RPD = 69.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.779	9.781	-0.002	161158770	0.1135			
2	100	11.292	11.292	0.000	408065806	0.1226			
						RPD = 7.69			
18 Endrin aldehyde									M
1	100	10.158	10.142	0.016	1418500	0.000901			7
2	100	11.383	11.383	0.000	1574378	0.000412			7
						RPD = 74.58			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.723						
2	100		12.365						
19 Endrin ketone									
1	100	11.259	11.260	-0.001	2767198	0.001462			
2	100	12.547	12.552	-0.005	11383027	0.002596			
						RPD = 55.91			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

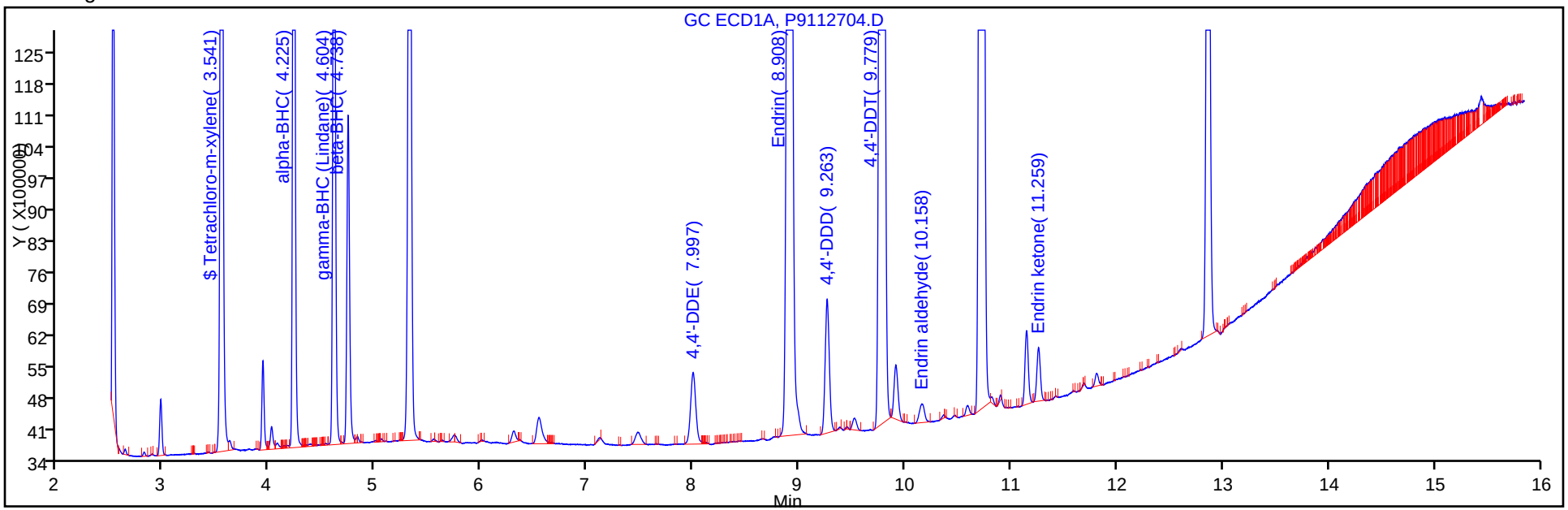
Report Date: 29-Nov-2012 09:55:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

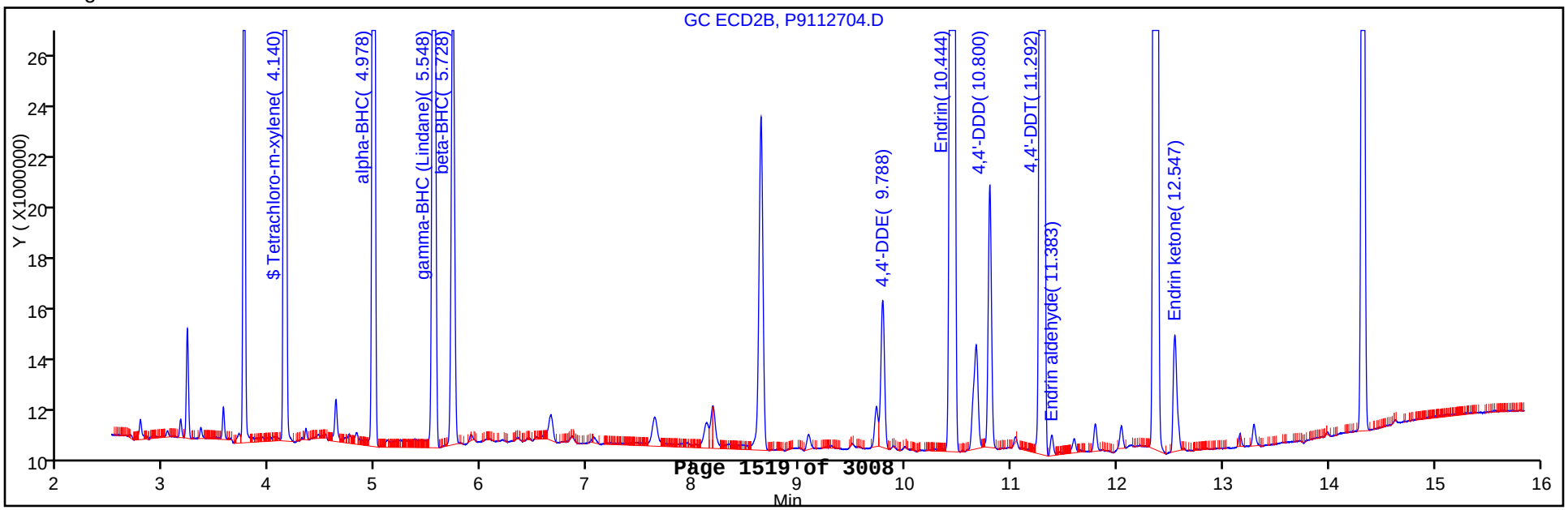
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112704.D

Injection Date:	28-Nov-2012 03:23:52	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: PEM 240-66500/29 Calibration Date: 11/28/2012 14:40

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112729.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.91	125666461	3.64	15	
Endrin aldehyde	10.16	1633091			
Endrin ketone	11.26	3112348			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.78	185640051	6.57	15	
4,4'-DDD	9.26	9476336			
4,4'-DDE	8.00	3568461			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112729.D
Lims ID: PEM Client ID:
Inject. Date: 28-Nov-2012 14:40:30 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015316-029
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 66500 Lims Sample ID: 29
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:24 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:09:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	53048503	0.0220			
2	100	4.140	4.140	0.000	70065033	0.009857			
						RPD = 76.07			
5 alpha-BHC									
1	100	4.225	4.225	0.000	38688004	0.0122			
2	100	4.977	4.978	-0.001	111655859	0.0112			
						RPD = 8.33			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	33075371	0.0123			
2	100	5.547	5.547	0.000	96802849	0.0117			
						RPD = 4.97			
7 beta-BHC									
1	100	4.738	4.739	-0.001	14741627	0.0124			
2	100	5.727	5.726	0.001	44975992	0.0125			
						RPD = 0.87			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	3568461	0.001233			
2	100	9.787	9.785	0.002	8718153	0.001210			
						RPD = 1.90			
17 Endrin									
1	100	8.909	8.908	0.001	125666461	0.0563			
2	100	10.446	10.445	0.001	311147587	0.0535			
						RPD = 5.09			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	9476336	0.005288			
2	100	10.800	10.810	-0.010	23413991	0.002387			
						RPD = 75.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.782	9.781	0.001	185640051	0.1307			
2	100	11.293	11.292	0.001	437923569	0.1315			
						RPD = 0.61			
18 Endrin aldehyde									
1	100	10.162	10.142	0.020	1633091	0.001037			7
2	100	11.383	11.383	0.000	1526089	0.000399			7
						RPD = 88.90			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.723						
2	100		12.365						
19 Endrin ketone									
1	100	11.260	11.260	0.000	3112348	0.001644			
2	100	12.548	12.552	-0.004	12686763	0.002894			
						RPD = 55.07			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

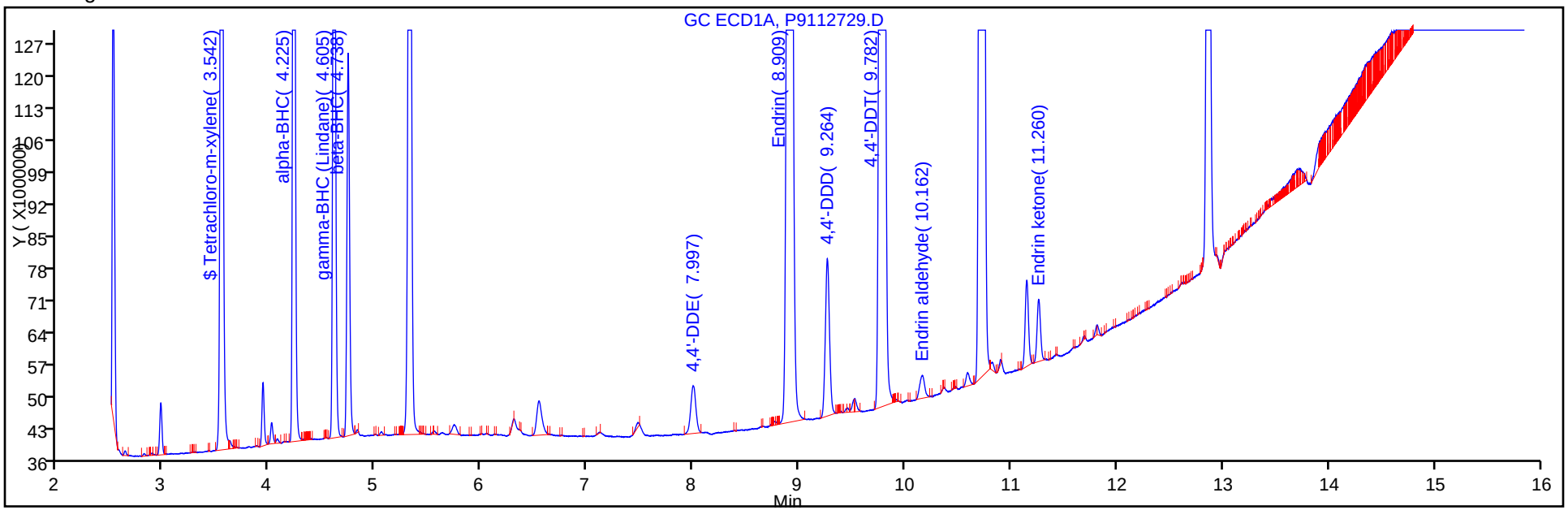
Report Date: 29-Nov-2012 11:21:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

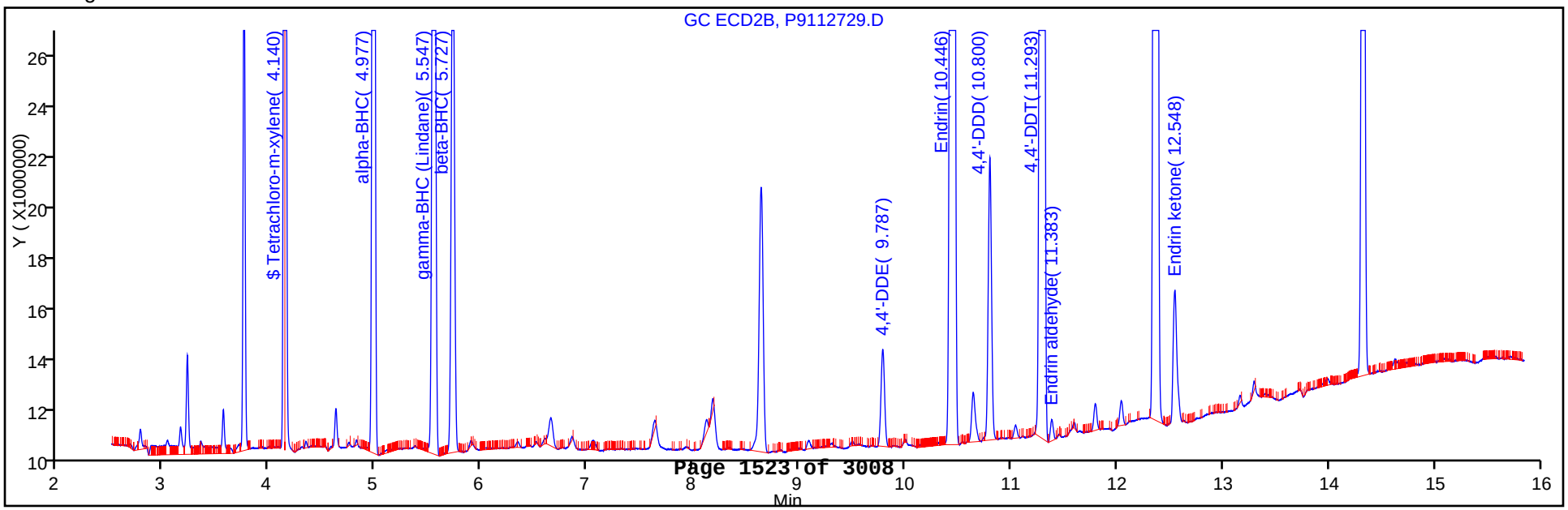
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112729.D

Injection Date:	28-Nov-2012 14:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: PEM 240-66500/29 Calibration Date: 11/28/2012 14:40

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112729.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.45	311147587	4.37	15	
Endrin aldehyde	11.38	1526089			
Endrin ketone	12.55	12686763			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.29	437923569	6.84	15	
4,4'-DDD	10.80	23413991			
4,4'-DDE	9.79	8718153			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112729.D
Lims ID: PEM Client ID:
Inject. Date: 28-Nov-2012 14:40:30 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015316-029
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 66500 Lims Sample ID: 29
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:24 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:09:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	53048503	0.0220			
2	100	4.140	4.140	0.000	70065033	0.009857			
						RPD = 76.07			
5 alpha-BHC									
1	100	4.225	4.225	0.000	38688004	0.0122			
2	100	4.977	4.978	-0.001	111655859	0.0112			
						RPD = 8.33			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	33075371	0.0123			
2	100	5.547	5.547	0.000	96802849	0.0117			
						RPD = 4.97			
7 beta-BHC									
1	100	4.738	4.739	-0.001	14741627	0.0124			
2	100	5.727	5.726	0.001	44975992	0.0125			
						RPD = 0.87			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	3568461	0.001233			
2	100	9.787	9.785	0.002	8718153	0.001210			
						RPD = 1.90			
17 Endrin									
1	100	8.909	8.908	0.001	125666461	0.0563			
2	100	10.446	10.445	0.001	311147587	0.0535			
						RPD = 5.09			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	9476336	0.005288			
2	100	10.800	10.810	-0.010	23413991	0.002387			
						RPD = 75.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.782	9.781	0.001	185640051	0.1307			
2	100	11.293	11.292	0.001	437923569	0.1315			
						RPD = 0.61			
18 Endrin aldehyde									
1	100	10.162	10.142	0.020	1633091	0.001037			7
2	100	11.383	11.383	0.000	1526089	0.000399			7
						RPD = 88.90			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.723						
2	100		12.365						
19 Endrin ketone									
1	100	11.260	11.260	0.000	3112348	0.001644			
2	100	12.548	12.552	-0.004	12686763	0.002894			
						RPD = 55.07			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

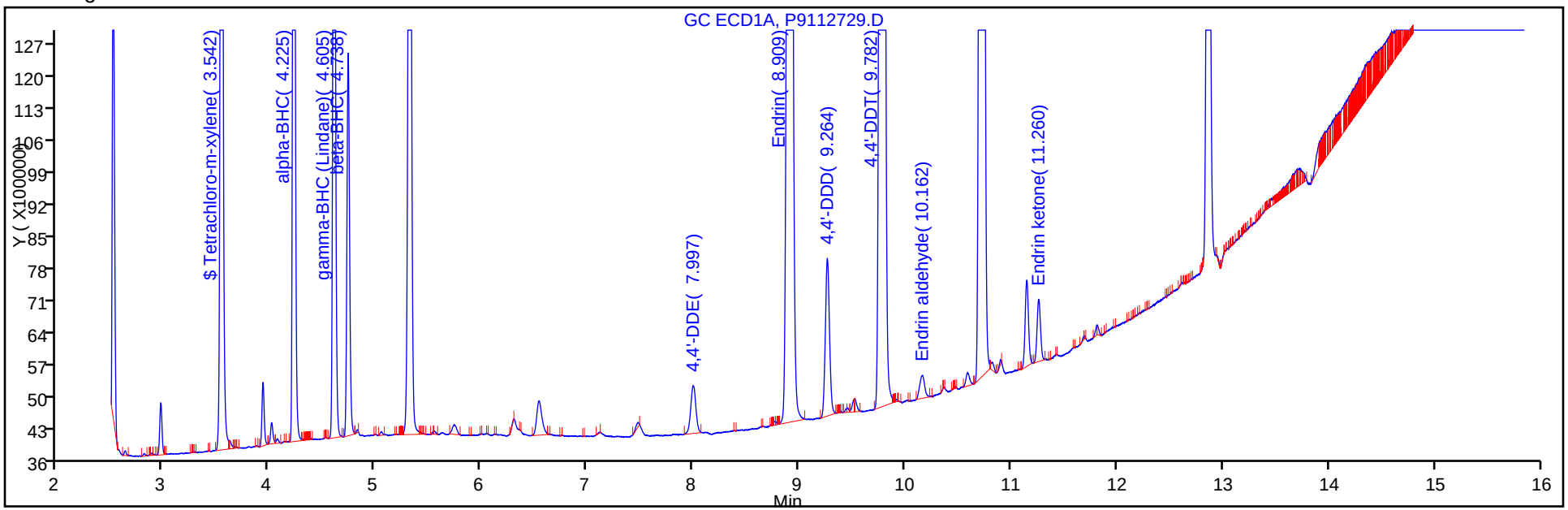
Report Date: 29-Nov-2012 11:21:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

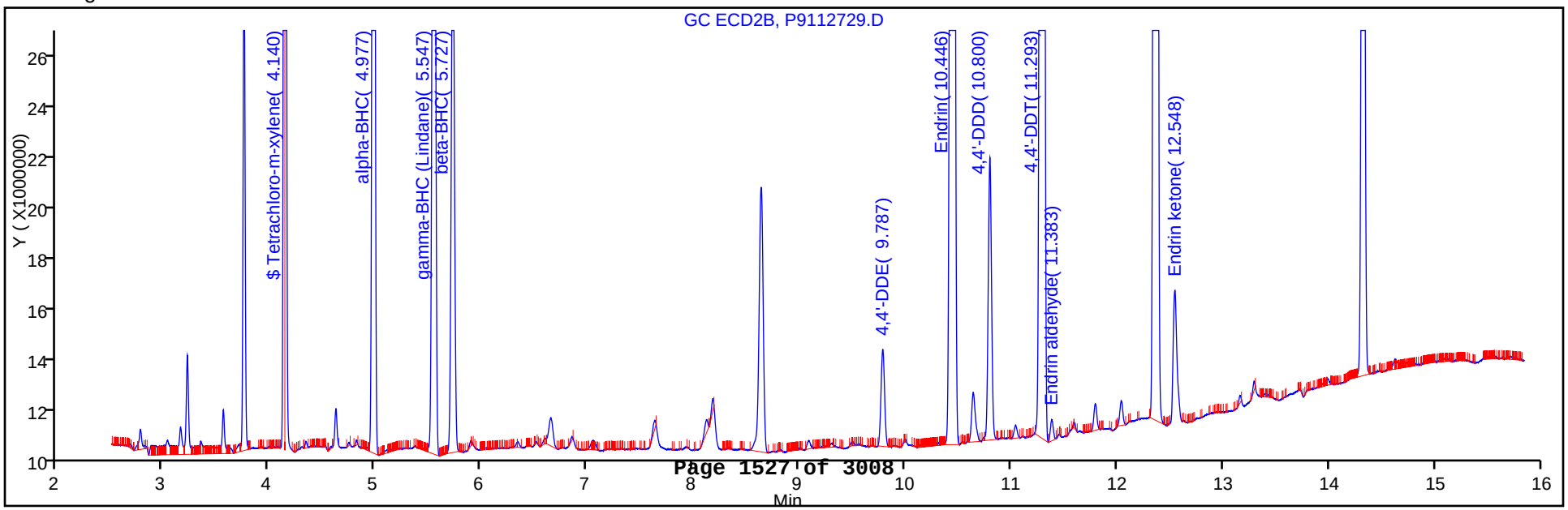
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112729.D

Injection Date:	28-Nov-2012 14:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: PEM 240-66829/4 Calibration Date: 11/29/2012 16:12

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112904.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.91	105095071	3.84	15	
Endrin aldehyde	10.16	1381609			
Endrin ketone	11.26	2812167			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.78	152511642	10.35	15	
4,4'-DDD	9.26	8642096			
4,4'-DDE	8.00	8970720			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112904.D
Lims ID: PEM Client ID:
Inject. Date: 29-Nov-2012 16:12:07 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015403-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 66829 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:02 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:12:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.541	-0.001	52022014	0.0215			
2	100	4.140	4.141	-0.001	150671370	0.0212			
						RPD = 1.57			
5 alpha-BHC									
1	100	4.223	4.225	-0.002	33112392	0.0104			
2	100	4.978	4.977	0.001	96743132	0.009733			
						RPD = 7.11			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	27757615	0.0103			
2	100	5.547	5.546	0.001	81195919	0.009790			
						RPD = 5.03			
7 beta-BHC									
1	100	4.738	4.738	0.000	13054772	0.0110			
2	100	5.727	5.726	0.001	38295830	0.0106			
						RPD = 3.06			
2 4,4'-DDE									
1	100	7.997	7.996	0.001	8970720	0.003099			
2	100	9.787	9.786	0.001	22740212	0.003155			
						RPD = 1.79			
17 Endrin									
1	100	8.908	8.906	0.002	105095071	0.0471			
2	100	10.443	10.444	-0.001	273325376	0.0470			
						RPD = 0.18			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	8642096	0.004823			
2	100	10.799	10.808	-0.009	24664841	0.002514			
						RPD = 62.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.780	9.780	0.000	152511642	0.1074			
2	100	11.291	11.291	0.000	379907942	0.1141			
						RPD = 6.06			
18 Endrin aldehyde									
1	100	10.163	10.141	0.022	1381609	0.000878			7
2	100	11.383	11.381	0.002	1481167	0.000387			7
						RPD = 77.55			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.724						
2	100		12.365						
19 Endrin ketone									
1	100	11.259	11.260	-0.001	2812167	0.001486			
2	100	12.547	12.551	-0.004	11571071	0.002639			
						RPD = 55.93			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

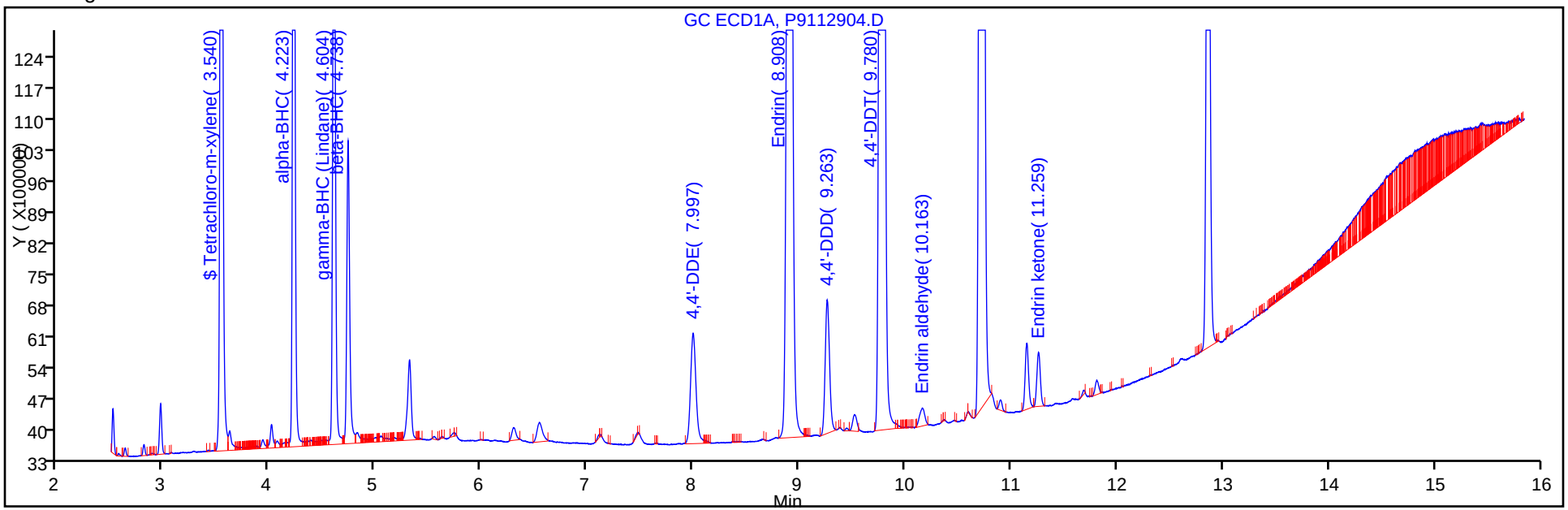
Report Date: 30-Nov-2012 12:11:04 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

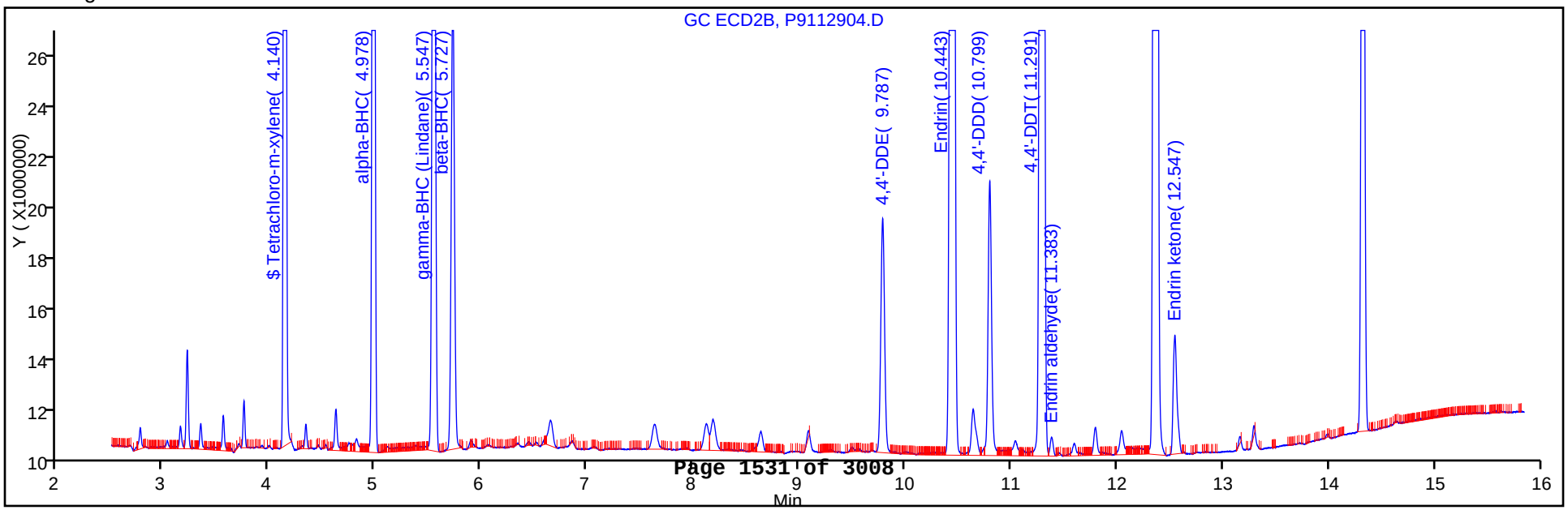
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112904.D

Injection Date:	29-Nov-2012 16:12:07	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: PEM 240-66829/4 Calibration Date: 11/29/2012 16:12

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112904.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.44	273325376	4.56	15	
Endrin aldehyde	11.38	1481167			
Endrin ketone	12.55	11571071			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.29	379907942	11.09	15	
4,4'-DDD	10.80	24664841			
4,4'-DDE	9.79	22740212			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112904.D
Lims ID: PEM Client ID:
Inject. Date: 29-Nov-2012 16:12:07 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015403-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 66829 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:02 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:12:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.541	-0.001	52022014	0.0215			
2	100	4.140	4.141	-0.001	150671370	0.0212			
						RPD = 1.57			
5 alpha-BHC									
1	100	4.223	4.225	-0.002	33112392	0.0104			
2	100	4.978	4.977	0.001	96743132	0.009733			
						RPD = 7.11			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	27757615	0.0103			
2	100	5.547	5.546	0.001	81195919	0.009790			
						RPD = 5.03			
7 beta-BHC									
1	100	4.738	4.738	0.000	13054772	0.0110			
2	100	5.727	5.726	0.001	38295830	0.0106			
						RPD = 3.06			
2 4,4'-DDE									
1	100	7.997	7.996	0.001	8970720	0.003099			
2	100	9.787	9.786	0.001	22740212	0.003155			
						RPD = 1.79			
17 Endrin									
1	100	8.908	8.906	0.002	105095071	0.0471			
2	100	10.443	10.444	-0.001	273325376	0.0470			
						RPD = 0.18			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	8642096	0.004823			
2	100	10.799	10.808	-0.009	24664841	0.002514			
						RPD = 62.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.780	9.780	0.000	152511642	0.1074			
2	100	11.291	11.291	0.000	379907942	0.1141			
						RPD = 6.06			
18 Endrin aldehyde									
1	100	10.163	10.141	0.022	1381609	0.000878			7
2	100	11.383	11.381	0.002	1481167	0.000387			7
						RPD = 77.55			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.724						
2	100		12.365						
19 Endrin ketone									
1	100	11.259	11.260	-0.001	2812167	0.001486			
2	100	12.547	12.551	-0.004	11571071	0.002639			
						RPD = 55.93			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

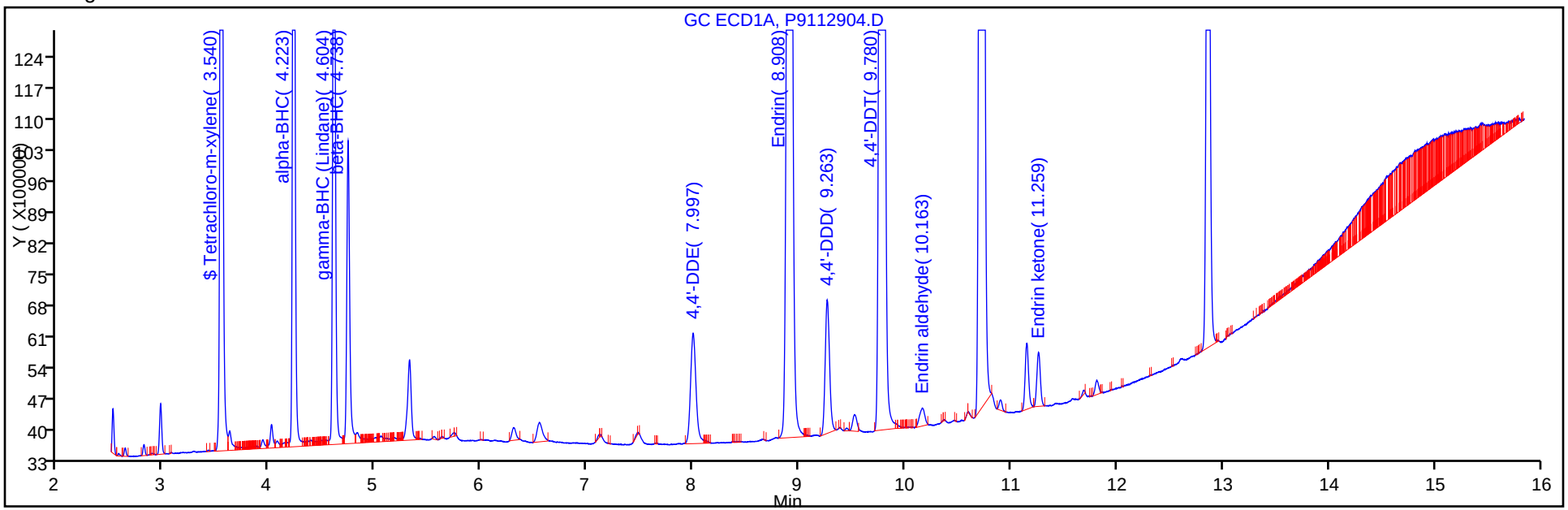
Report Date: 30-Nov-2012 12:11:04 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

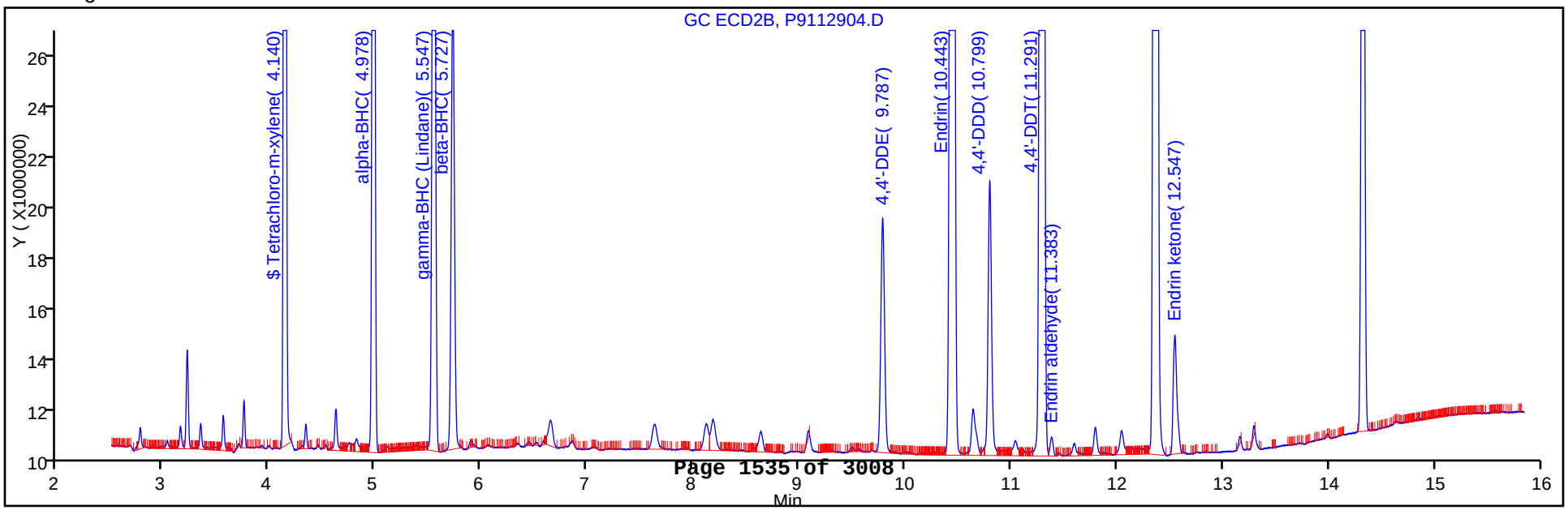
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112904.D

Injection Date:	29-Nov-2012 16:12:07	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-66500/11 Calibration Date: 11/28/2012 06:22

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112711.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3168667215	3314854200		0.0262	0.0250	4.6	20.0
gamma-BHC (Lindane)	Ave	2696239648	2825588080		0.0262	0.0250	4.8	20.0
beta-BHC	Ave	1192117427	1256828840		0.0264	0.0250	5.4	20.0
delta-BHC	Ave	2593377382	2804476120		0.0270	0.0250	8.1	20.0
Heptachlor	Ave	2436929739	2541038600		0.0261	0.0250	4.3	20.0
Aldrin	Ave	2967053625	3101721000		0.0261	0.0250	4.5	20.0
Heptachlor epoxide	Ave	2465306798	2592436160		0.0263	0.0250	5.2	20.0
gamma-Chlordane	Ave	2642311293	2753951160		0.0261	0.0250	4.2	20.0
alpha-Chlordane	Ave	2713419924	2756636960		0.0254	0.0250	1.6	20.0
Endosulfan I	Ave	2329014810	2445240480		0.0262	0.0250	5.0	20.0
4,4'-DDE	Ave	2894548445	2995781880		0.0259	0.0250	3.5	20.0
Dieldrin	Ave	2429335459	2544815200		0.0262	0.0250	4.8	20.0
Endrin	Ave	2233310440	2335007440		0.0261	0.0250	4.6	20.0
4,4'-DDD	Ave	1791905190	1881431080		0.0262	0.0250	5.0	20.0
Endosulfan II	Ave	2120779171	2286048400		0.0269	0.0250	7.8	20.0
4,4'-DDT	Ave	1420166233	1554644120		0.0274	0.0250	9.5	20.0
Endrin aldehyde	Ave	1574397867	1639362800		0.0260	0.0250	4.1	20.0
Methoxychlor	Ave	679722133	759618880		0.0279	0.0250	11.8	20.0
Endosulfan sulfate	Ave	1727152069	1872992360		0.0271	0.0250	8.4	20.0
Endrin ketone	Ave	1892819765	1954707440		0.0258	0.0250	3.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-66500/11 Calibration Date: 11/28/2012 06:22

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112711.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.23	4.20	4.26
gamma-BHC (Lindane)	4.61	4.58	4.64
beta-BHC	4.74	4.71	4.77
delta-BHC	4.96	4.93	4.99
Heptachlor	5.24	5.21	5.28
Aldrin	5.70	5.68	5.74
Heptachlor epoxide	6.96	6.93	6.99
gamma-Chlordane	7.28	7.25	7.31
alpha-Chlordane	7.63	7.59	7.65
Endosulfan I	7.90	7.87	7.93
4,4'-DDE	8.00	7.97	8.03
Dieldrin	8.46	8.43	8.49
Endrin	8.91	8.88	8.94
4,4'-DDD	9.26	9.23	9.29
Endosulfan II	9.36	9.32	9.38
4,4'-DDT	9.78	9.75	9.81
Endrin aldehyde	10.14	10.11	10.17
Methoxychlor	10.72	10.69	10.75
Endosulfan sulfate	10.86	10.83	10.89
Endrin ketone	11.26	11.23	11.29

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112711.D
Lims ID: ICV Client ID:
Inject. Date: 28-Nov-2012 06:22:56 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015316-011
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 66500 Lims Sample ID: 11
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:15 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:40:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.225	4.225	0.000	82871355	0.0262			
2	100	4.978	4.978	0.000	246042666	0.0248			
						RPD = 5.50			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	70639702	0.0262			
2	100	5.548	5.547	0.001	206524410	0.0249			
						RPD = 5.08			
7 beta-BHC									
1	100	4.738	4.739	-0.001	31420721	0.0264			
2	100	5.728	5.726	0.002	92347298	0.0256			
						RPD = 2.87			
11 delta-BHC									
1	100	4.957	4.957	0.000	70111903	0.0270			
2	100	6.293	6.292	0.001	204726749	0.0259			
						RPD = 4.39			
22 Heptachlor									
1	100	5.244	5.243	0.001	63525965	0.0261			
2	100	6.393	6.394	-0.001	180190169	0.0252			
						RPD = 3.25			
4 Aldrin									
1	100	5.704	5.705	-0.001	77543025	0.0261			
2	100	7.131	7.130	0.001	207217822	0.0252			
						RPD = 3.55			
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	64810904	0.0263			
2	100	8.606	8.603	0.003	175945237	0.0258			
						RPD = 2.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	68848779	0.0261			
2	100	9.026	9.024	0.002	177915467	0.0255			
						RPD = 2.04			
6 alpha-Chlordane									
1	100	7.626	7.623	0.003	68915924	0.0254			
2	100	9.335	9.334	0.001	174491301	0.0248			
						RPD = 2.41			
14 Endosulfan I									
1	100	7.898	7.896	0.002	61131012	0.0262			
2	100	9.397	9.396	0.001	148535405	0.0258			
						RPD = 1.76			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	74894547	0.0259			
2	100	9.787	9.785	0.002	181270322	0.0252			
						RPD = 2.83			
13 Dieldrin									
1	100	8.455	8.455	0.000	63620380	0.0262			
2	100	9.927	9.926	0.001	161983141	0.0256			
						RPD = 2.12			
17 Endrin									M
1	100	8.908	8.908	0.000	58375186	0.0261			M
2	100	10.446	10.445	0.001	146437894	0.0252			
						RPD = 3.79			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	47035777	0.0262			
2	100	10.810	10.810	0.000	253691378	0.0259			
						RPD = 1.49			
15 Endosulfan II									
1	100	9.355	9.353	0.002	57151210	0.0269			
2	100	10.810	10.810	0.000	253691378	0.0259			
						RPD = 4.12			
3 4,4'-DDT									
1	100	9.782	9.781	0.001	38866103	0.0274			
2	100	11.292	11.292	0.000	89005342	0.0267			
						RPD = 2.35			
18 Endrin aldehyde									
1	100	10.143	10.142	0.001	40984070	0.0260			
2	100	11.384	11.383	0.001	97557772	0.0255			
						RPD = 2.06			
27 Methoxychlor									
1	100	10.723	10.723	0.000	18990472	0.0279			
2	100	12.366	12.365	0.001	44302828	0.0267			
						RPD = 4.71			
16 Endosulfan sulfate									
1	100	10.861	10.860	0.001	46824809	0.0271			
2	100	11.815	11.815	0.000	114416612	0.0265			
						RPD = 2.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.261	11.260	0.001	48867686	0.0258			
2	100	12.553	12.552	0.001	111443389	0.0254			
						RPD = 1.55			

QC Flag Legend

Review Flags
M - Manually Integrated

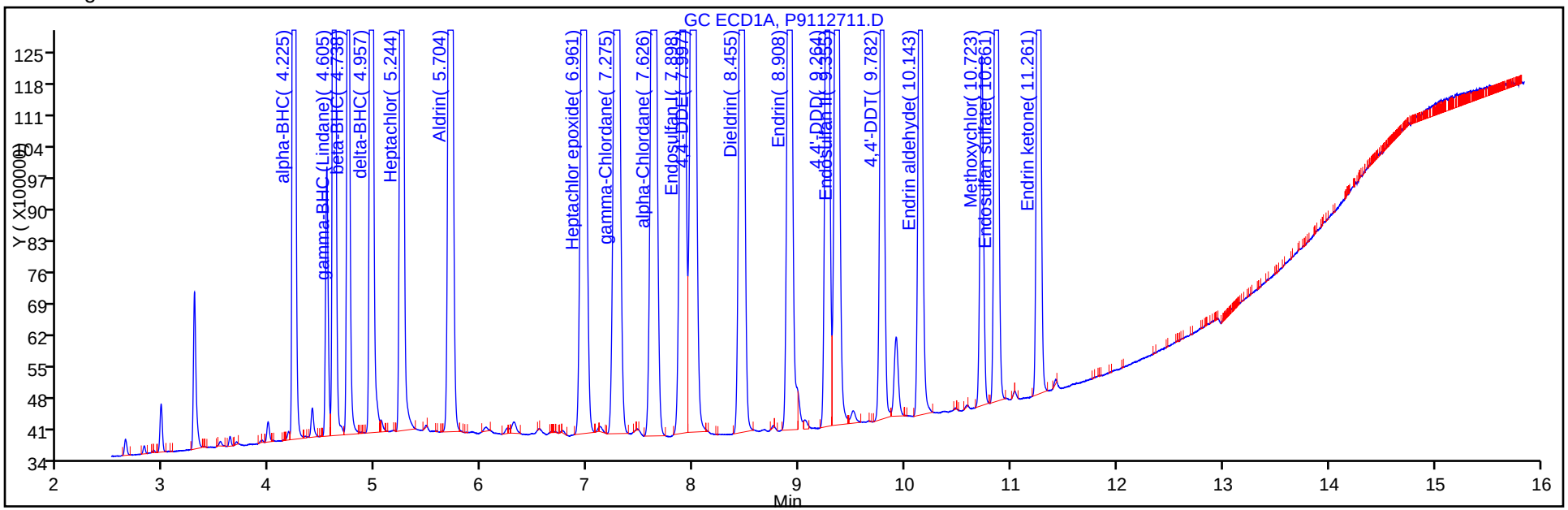
Report Date: 29-Nov-2012 09:55:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

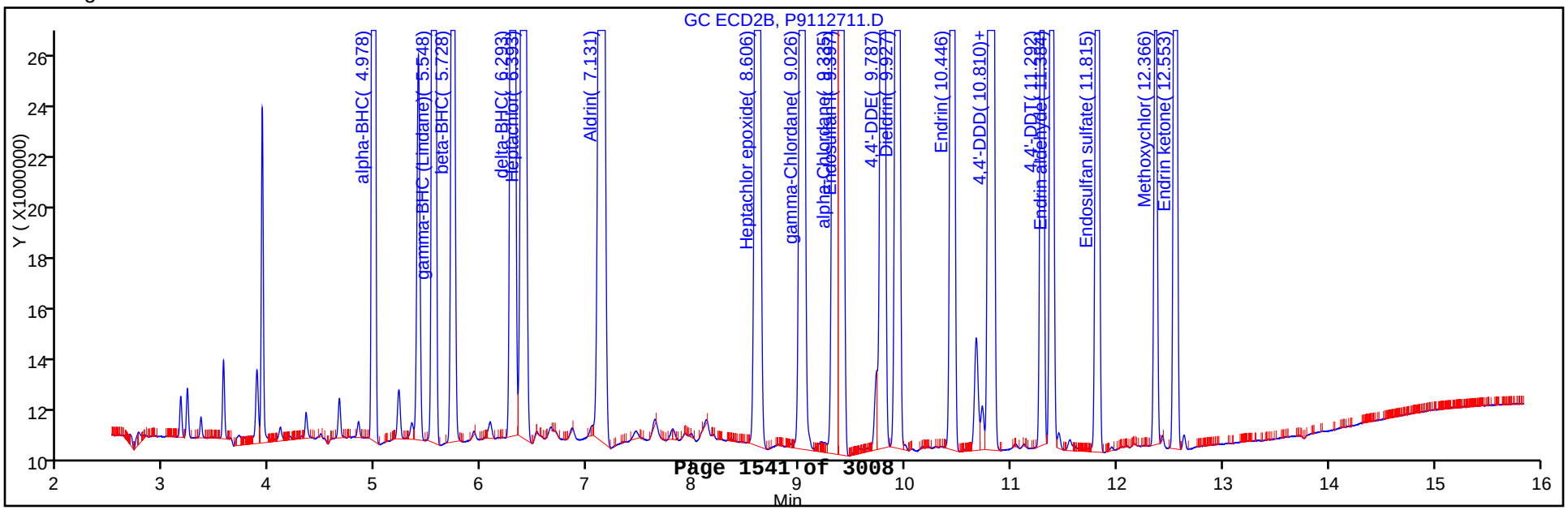
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112711.D

Injection Date:	28-Nov-2012 06:22:56	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 29-Nov-2012 09:55:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

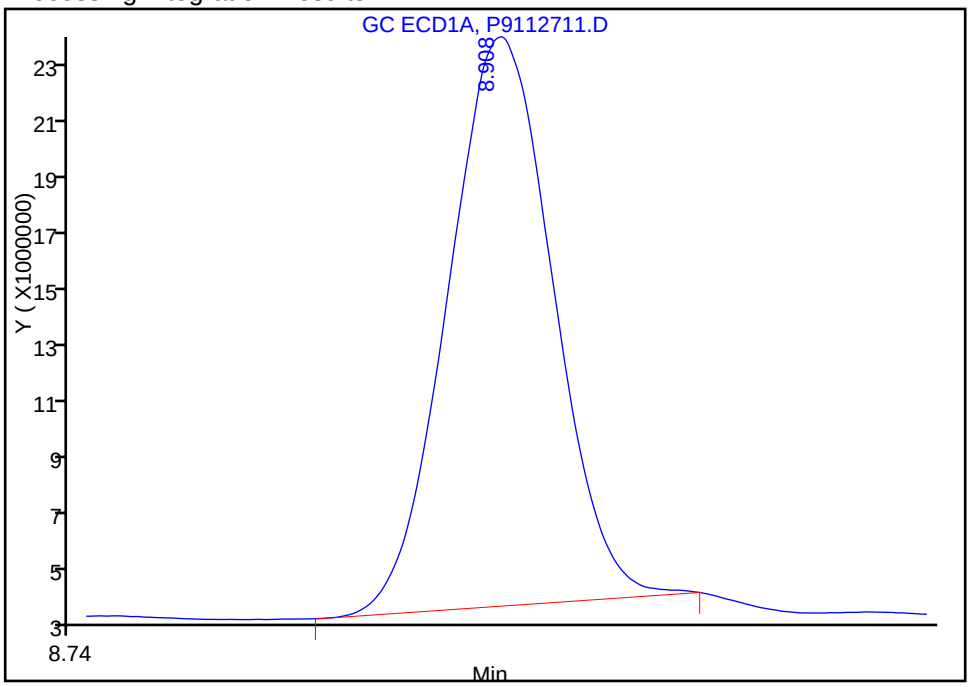
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112711.D		
Injection Date:	28-Nov-2012 06:22:56	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

17 Endrin, Signal: 1, Type: quant, RT: 8.91, Det: GC ECD1A

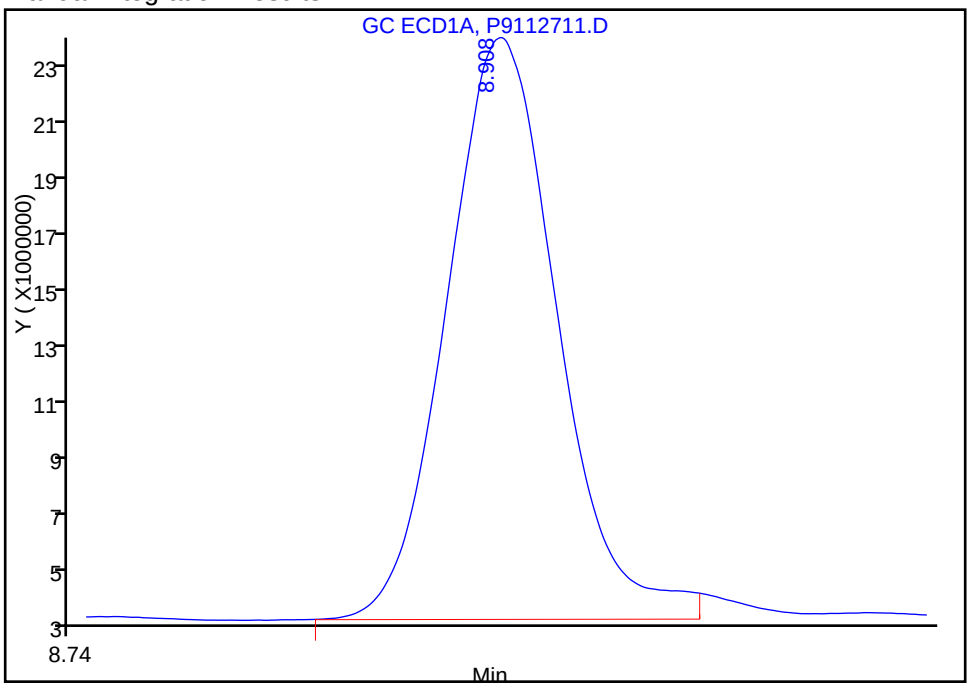
Processing Integration Results

RT: 8.91
Response: 54465378
Amount: 0.024388



Manual Integration Results

RT: 8.91
Response: 58375186
Amount: 0.026138



Reviewer: vandorenc, 29-Nov-2012 09:40:30
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-66500/11 Calibration Date: 11/28/2012 06:22

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112711.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	9940089371	9841706640		0.0248	0.0250	-1.0	20.0
gamma-BHC (Lindane)	Ave	8293601368	8260976400		0.0249	0.0250	-0.4	20.0
beta-BHC	Ave	3605562217	3693891920		0.0256	0.0250	2.4	20.0
delta-BHC	Ave	7912733268	8189069960		0.0259	0.0250	3.5	20.0
Heptachlor	Ave	7140697065	7207606760		0.0252	0.0250	0.9	20.0
Aldrin	Ave	8215129958	8288712880		0.0252	0.0250	0.9	20.0
Heptachlor epoxide	Ave	6831839093	7037809480		0.0258	0.0250	3.0	20.0
gamma-Chlordane	Ave	6968754018	7116618680		0.0255	0.0250	2.1	20.0
alpha-Chlordane	Ave	7037942515	6979652040		0.0248	0.0250	-0.8	20.0
Endosulfan I	Ave	5759774207	5941416200		0.0258	0.0250	3.2	20.0
4,4'-DDE	Ave	7207034711	7250812880		0.0252	0.0250	0.6	20.0
Dieldrin	Ave	6317654321	6479325640		0.0256	0.0250	2.6	20.0
Endrin	Ave	5818678867	5857515760		0.0252	0.0250	0.7	20.0
4,4'-DDD	Ave	9809607119	10147655120		0.0259	0.0250	3.4	20.0
Endosulfan II	Ave	9809607119	10147655120		0.0259	0.0250	3.4	20.0
4,4'-DDT	Ave	3329664076	3560213680		0.0267	0.0250	6.9	20.0
Endrin aldehyde	Ave	3825777334	3902310880		0.0255	0.0250	2.0	20.0
Endosulfan sulfate	Ave	4314206102	4576664480		0.0265	0.0250	6.1	20.0
Methoxychlor	Ave	1662173652	1772113120		0.0267	0.0250	6.6	20.0
Endrin ketone	Ave	4384149523	4457735560		0.0254	0.0250	1.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-66500/11 Calibration Date: 11/28/2012 06:22

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112711.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.98	4.95	5.01
gamma-BHC (Lindane)	5.55	5.52	5.58
beta-BHC	5.73	5.70	5.76
delta-BHC	6.29	6.26	6.32
Heptachlor	6.39	6.36	6.43
Aldrin	7.13	7.10	7.16
Heptachlor epoxide	8.61	8.57	8.63
gamma-Chlordane	9.03	8.99	9.05
alpha-Chlordane	9.34	9.30	9.36
Endosulfan I	9.40	9.37	9.43
4,4'-DDE	9.79	9.76	9.82
Dieldrin	9.93	9.90	9.96
Endrin	10.45	10.42	10.48
4,4'-DDD	10.81	10.78	10.84
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.29	11.26	11.32
Endrin aldehyde	11.38	11.35	11.41
Endosulfan sulfate	11.82	11.79	11.85
Methoxychlor	12.37	12.34	12.40
Endrin ketone	12.55	12.52	12.58

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112711.D
Lims ID: ICV Client ID:
Inject. Date: 28-Nov-2012 06:22:56 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015316-011
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 66500 Lims Sample ID: 11
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:15 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:40:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.225	4.225	0.000	82871355	0.0262			
2	100	4.978	4.978	0.000	246042666	0.0248			
						RPD = 5.50			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	70639702	0.0262			
2	100	5.548	5.547	0.001	206524410	0.0249			
						RPD = 5.08			
7 beta-BHC									
1	100	4.738	4.739	-0.001	31420721	0.0264			
2	100	5.728	5.726	0.002	92347298	0.0256			
						RPD = 2.87			
11 delta-BHC									
1	100	4.957	4.957	0.000	70111903	0.0270			
2	100	6.293	6.292	0.001	204726749	0.0259			
						RPD = 4.39			
22 Heptachlor									
1	100	5.244	5.243	0.001	63525965	0.0261			
2	100	6.393	6.394	-0.001	180190169	0.0252			
						RPD = 3.25			
4 Aldrin									
1	100	5.704	5.705	-0.001	77543025	0.0261			
2	100	7.131	7.130	0.001	207217822	0.0252			
						RPD = 3.55			
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	64810904	0.0263			
2	100	8.606	8.603	0.003	175945237	0.0258			
						RPD = 2.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	68848779	0.0261			
2	100	9.026	9.024	0.002	177915467	0.0255			
						RPD = 2.04			
6 alpha-Chlordane									
1	100	7.626	7.623	0.003	68915924	0.0254			
2	100	9.335	9.334	0.001	174491301	0.0248			
						RPD = 2.41			
14 Endosulfan I									
1	100	7.898	7.896	0.002	61131012	0.0262			
2	100	9.397	9.396	0.001	148535405	0.0258			
						RPD = 1.76			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	74894547	0.0259			
2	100	9.787	9.785	0.002	181270322	0.0252			
						RPD = 2.83			
13 Dieldrin									
1	100	8.455	8.455	0.000	63620380	0.0262			
2	100	9.927	9.926	0.001	161983141	0.0256			
						RPD = 2.12			
17 Endrin									M
1	100	8.908	8.908	0.000	58375186	0.0261			M
2	100	10.446	10.445	0.001	146437894	0.0252			
						RPD = 3.79			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	47035777	0.0262			
2	100	10.810	10.810	0.000	253691378	0.0259			
						RPD = 1.49			
15 Endosulfan II									
1	100	9.355	9.353	0.002	57151210	0.0269			
2	100	10.810	10.810	0.000	253691378	0.0259			
						RPD = 4.12			
3 4,4'-DDT									
1	100	9.782	9.781	0.001	38866103	0.0274			
2	100	11.292	11.292	0.000	89005342	0.0267			
						RPD = 2.35			
18 Endrin aldehyde									
1	100	10.143	10.142	0.001	40984070	0.0260			
2	100	11.384	11.383	0.001	97557772	0.0255			
						RPD = 2.06			
27 Methoxychlor									
1	100	10.723	10.723	0.000	18990472	0.0279			
2	100	12.366	12.365	0.001	44302828	0.0267			
						RPD = 4.71			
16 Endosulfan sulfate									
1	100	10.861	10.860	0.001	46824809	0.0271			
2	100	11.815	11.815	0.000	114416612	0.0265			
						RPD = 2.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.261	11.260	0.001	48867686	0.0258			
2	100	12.553	12.552	0.001	111443389	0.0254			
						RPD = 1.55			

QC Flag Legend

Review Flags
M - Manually Integrated

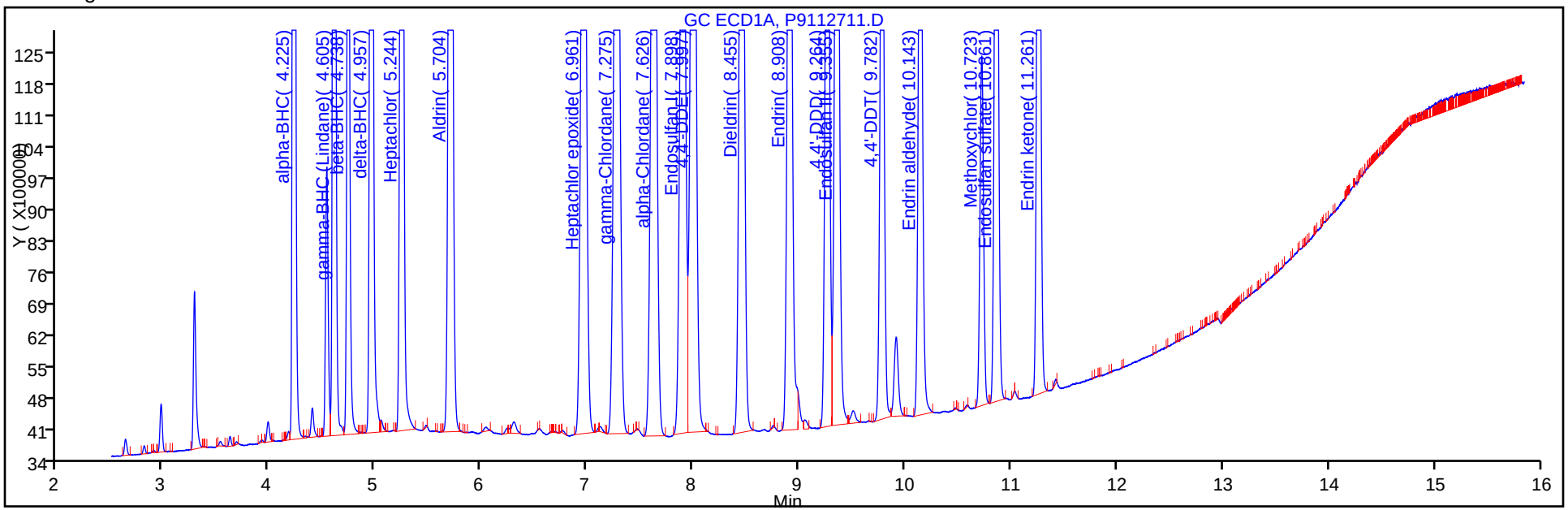
Report Date: 29-Nov-2012 09:55:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

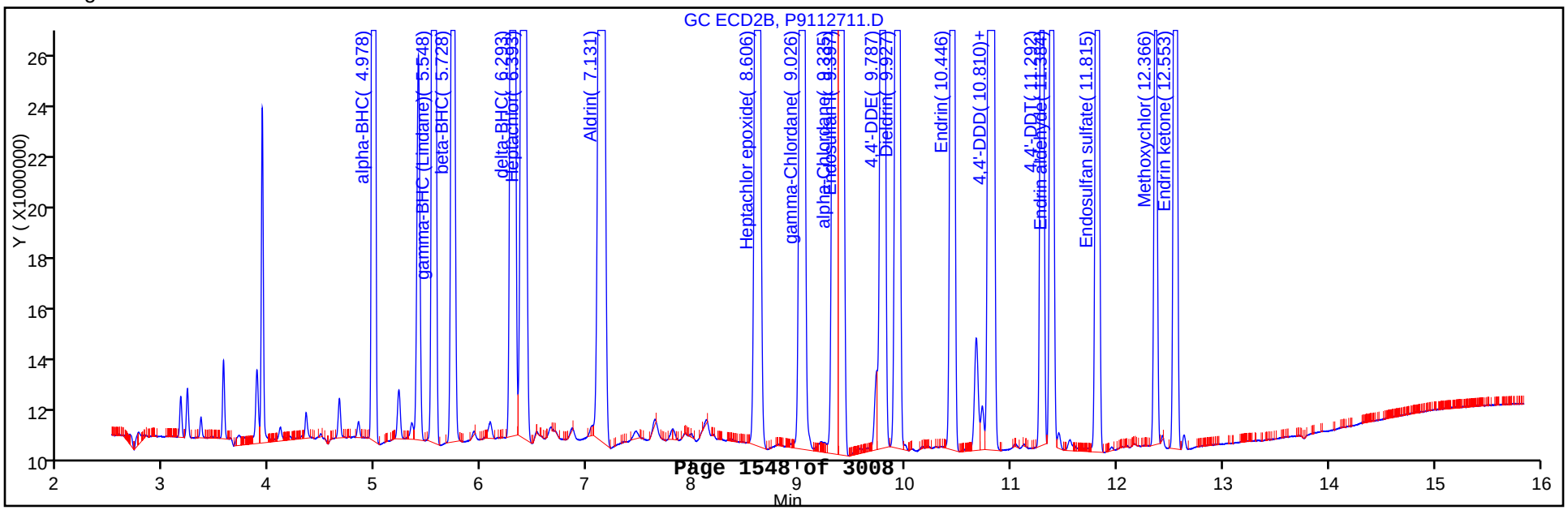
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112711.D

Injection Date:	28-Nov-2012 06:22:56	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-66500/17 Calibration Date: 11/28/2012 09:09

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112717.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	82355349	65143349		0.791	1.00	-20.9*	20.0
Toxaphene Peak 2	Ave	80598016	72538248		0.900	1.00	-10.0	20.0
Toxaphene Peak 3	Ave	60115062	53226427		0.885	1.00	-11.5	20.0
Toxaphene Peak 4	Ave	79190156	87008416		1.10	1.00	9.9	20.0
Toxaphene Peak 5	Ave	47091318	72395175		1.54	1.00	53.7*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-66500/17 Calibration Date: 11/28/2012 09:09

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112717.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.48	9.46	9.52
Toxaphene Peak 2	10.03	9.99	10.05
Toxaphene Peak 3	10.09	10.06	10.12
Toxaphene Peak 4	10.67	10.64	10.70
Toxaphene Peak 5	11.23	11.21	11.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D
Lims ID: ICV Client ID:
Inject. Date: 28-Nov-2012 09:09:28 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015316-017
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 66500 Lims Sample ID: 17
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:29 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:52:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.482	9.486	-0.004	65143349	0.7910		100.0	M
1	2	10.025	10.024	0.001	72538248	0.9000	75.2- 115.2	111.4	M
1	3	10.093	10.091	0.002	53226427	0.8854	54.7- 94.7	81.7	M
1	4	10.673	10.671	0.002	87008416	1.10	75.4- 115.4	133.6	M
1	5	11.234	11.236	-0.002	72395175	1.54	37.4- 77.4	111.1	M
			Average of Peak Amounts =			1.04			
2	100	10.380	10.382	-0.002	183900871	0.9512		100.0	M
2	2	11.406	11.398	0.008	166187007	0.6603	108.0- 148.0	90.4	M
2	3	11.745	11.746	-0.001	177517569	1.88	28.1- 68.1	96.5	M
2	4	12.150	12.148	0.002	180825847	0.9848	72.6- 112.6	98.3	M
2	5	12.531	12.534	-0.003	59492552	0.9823	9.6- 49.6	32.4	M
			Average of Peak Amounts =			1.09			
						RPD = 4.64			

QC Flag Legend

Review Flags
M - Manually Integrated

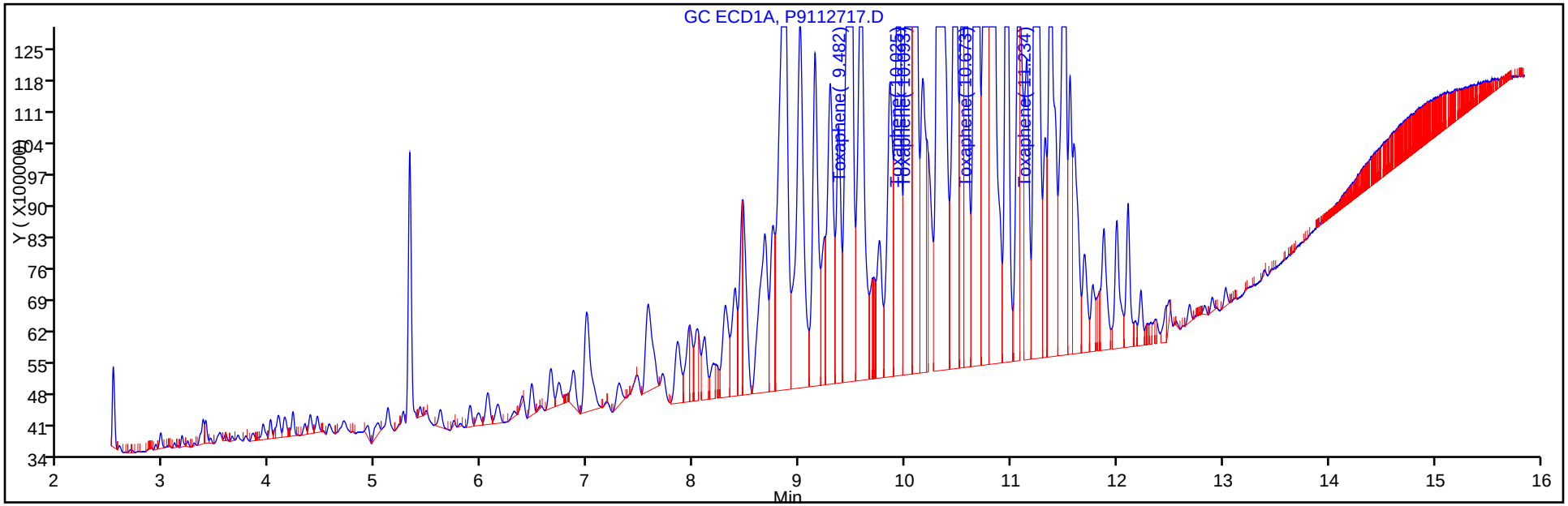
Report Date: 29-Nov-2012 09:55:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

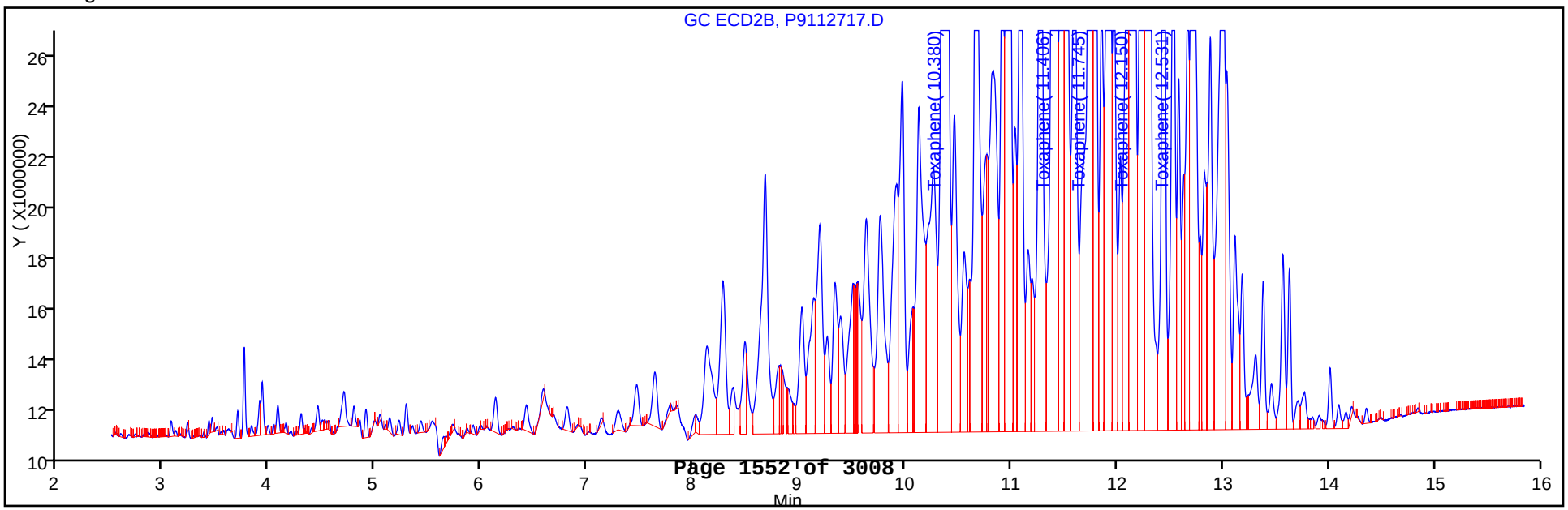
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D

Injection Date:	28-Nov-2012 09:09:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



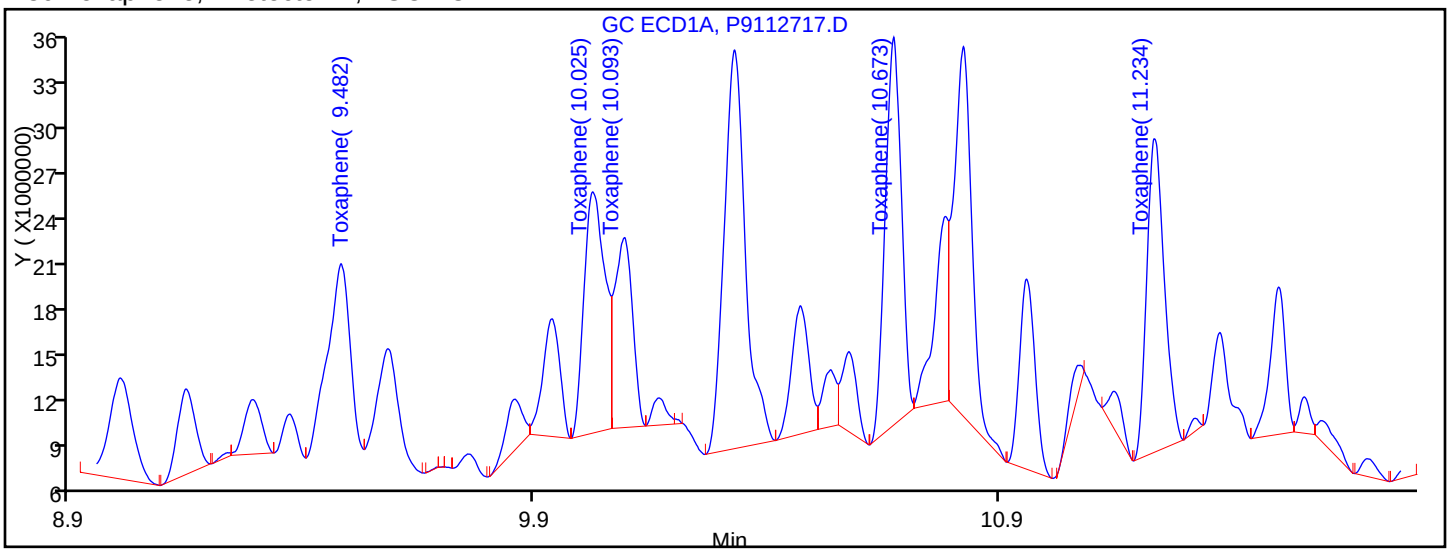
Report Date: 29-Nov-2012 09:55:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D

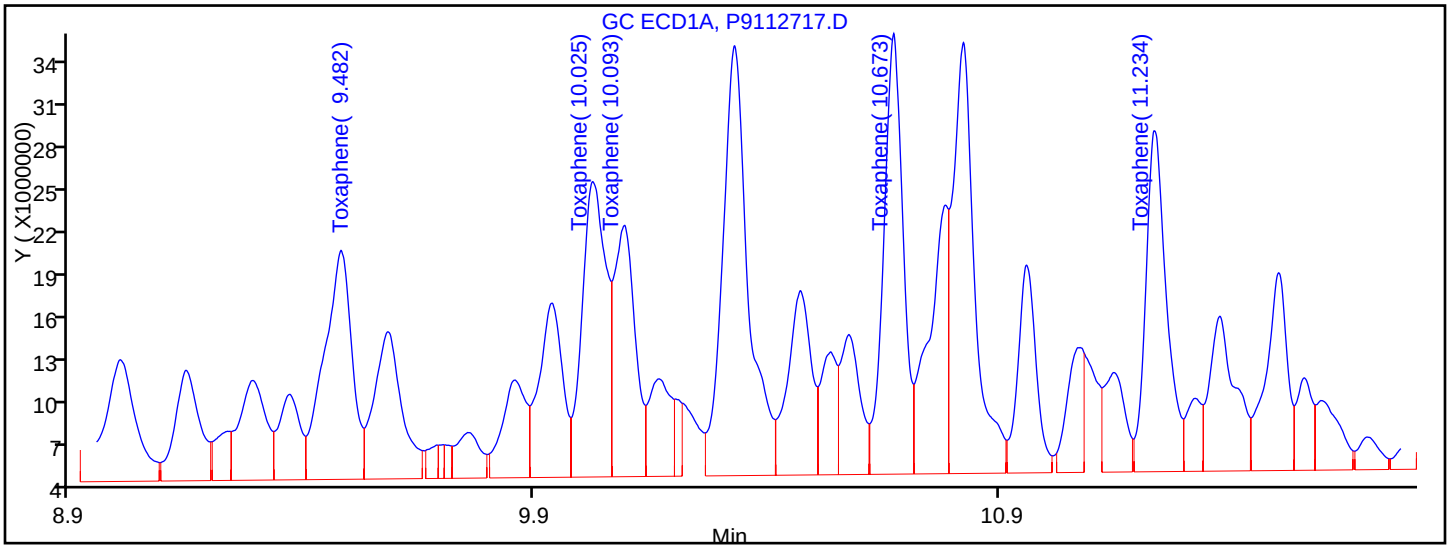
Injection Date:	28-Nov-2012 09:09:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.482	Response = 41051884	M
RT = 10.025	Response = 49712306	M
RT = 10.093	Response = 32437945	M
RT = 10.673	Response = 60801222	M
RT = 11.234	Response = 53938157	M



Manual Integration Results

RT = 9.482	Response = 65143349	M
RT = 10.025	Response = 72538248	M
RT = 10.093	Response = 53226427	M
RT = 10.673	Response = 87008416	M
RT = 11.234	Response = 72395175	M

Reviewer: vandorenc, 29-Nov-2012 09:52:02

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-66500/17 Calibration Date: 11/28/2012 09:09

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112717.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	193329374	183900871		0.951	1.00	-4.9	20.0
Toxaphene Peak 2	Ave	251674328	166187007		0.660	1.00	-34.0*	20.0
Toxaphene Peak 3	Ave	94342583	177517569		1.88	1.00	88.2*	20.0
Toxaphene Peak 4	Ave	183622795	180825847		0.985	1.00	-1.5	20.0
Toxaphene Peak 5	Ave	60562274	59492552		0.982	1.00	-1.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-66500/17 Calibration Date: 11/28/2012 09:09

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112717.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.38	10.35	10.41
Toxaphene Peak 2	11.41	11.37	11.43
Toxaphene Peak 3	11.75	11.72	11.78
Toxaphene Peak 4	12.15	12.12	12.18
Toxaphene Peak 5	12.53	12.50	12.56

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D
Lims ID: ICV
Client ID:
Inject. Date: 28-Nov-2012 09:09:28
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015316-017
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 17
Lims Batch ID: 66500
Lims Sample ID: 17
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:29
Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc
Date: 29-Nov-2012 09:52:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.482	9.486	-0.004	65143349	0.7910		100.0	M
1	2	10.025	10.024	0.001	72538248	0.9000	75.2- 115.2	111.4	M
1	3	10.093	10.091	0.002	53226427	0.8854	54.7- 94.7	81.7	M
1	4	10.673	10.671	0.002	87008416	1.10	75.4- 115.4	133.6	M
1	5	11.234	11.236	-0.002	72395175	1.54	37.4- 77.4	111.1	M
			Average of Peak Amounts =			1.04			
2	100	10.380	10.382	-0.002	183900871	0.9512		100.0	M
2	2	11.406	11.398	0.008	166187007	0.6603	108.0- 148.0	90.4	M
2	3	11.745	11.746	-0.001	177517569	1.88	28.1- 68.1	96.5	M
2	4	12.150	12.148	0.002	180825847	0.9848	72.6- 112.6	98.3	M
2	5	12.531	12.534	-0.003	59492552	0.9823	9.6- 49.6	32.4	M
			Average of Peak Amounts =			1.09			
						RPD = 4.64			

QC Flag Legend

Review Flags
M - Manually Integrated

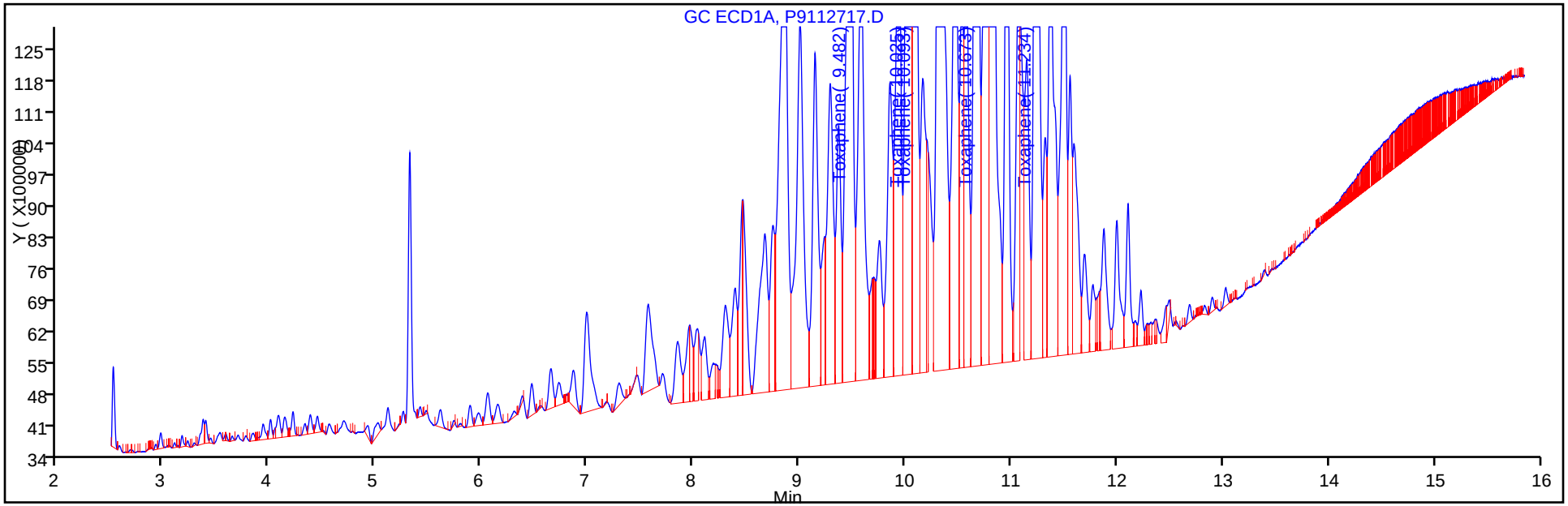
Report Date: 29-Nov-2012 09:55:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

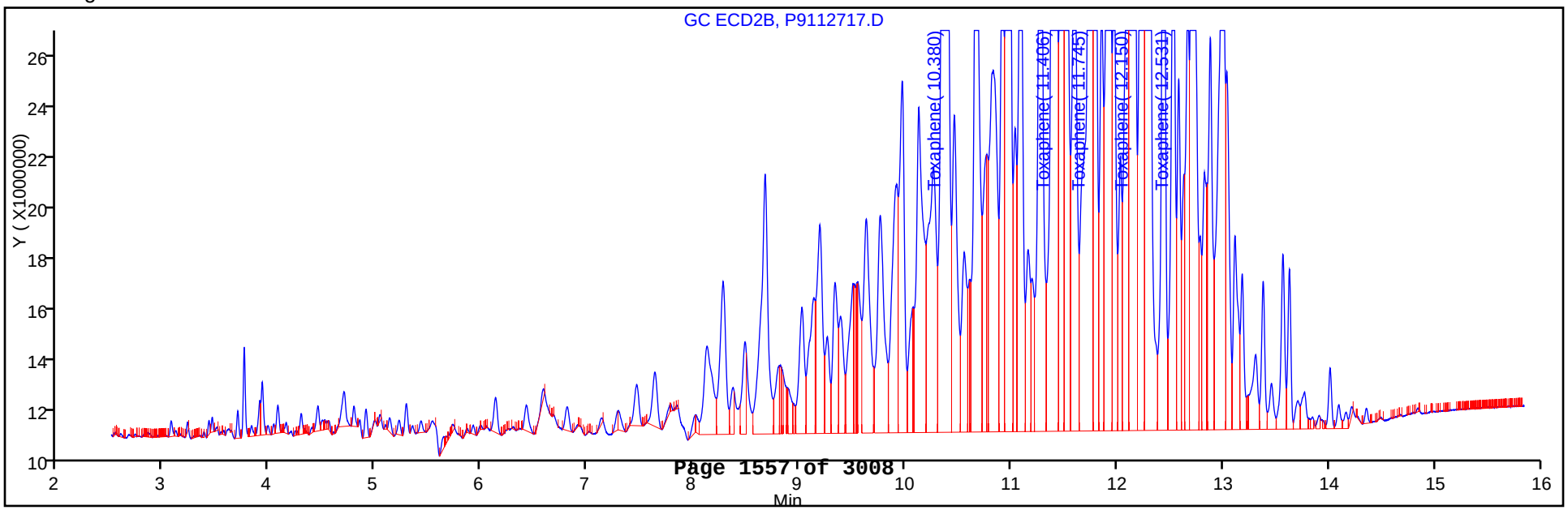
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D

Injection Date:	28-Nov-2012 09:09:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



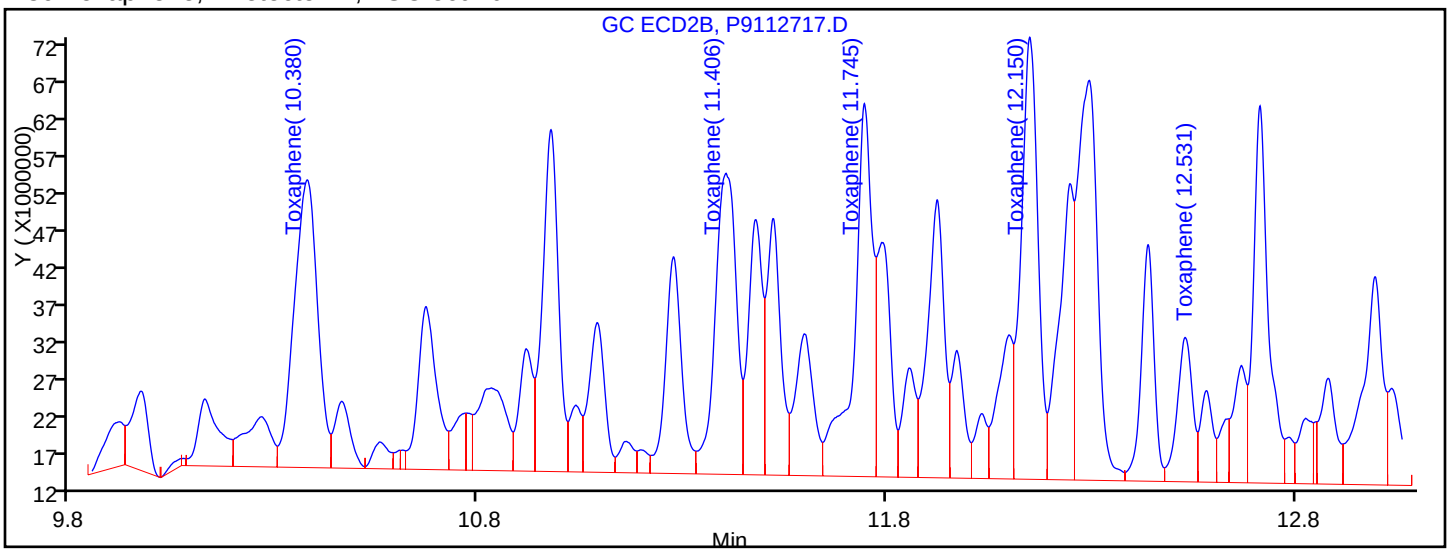
Report Date: 29-Nov-2012 09:55:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D

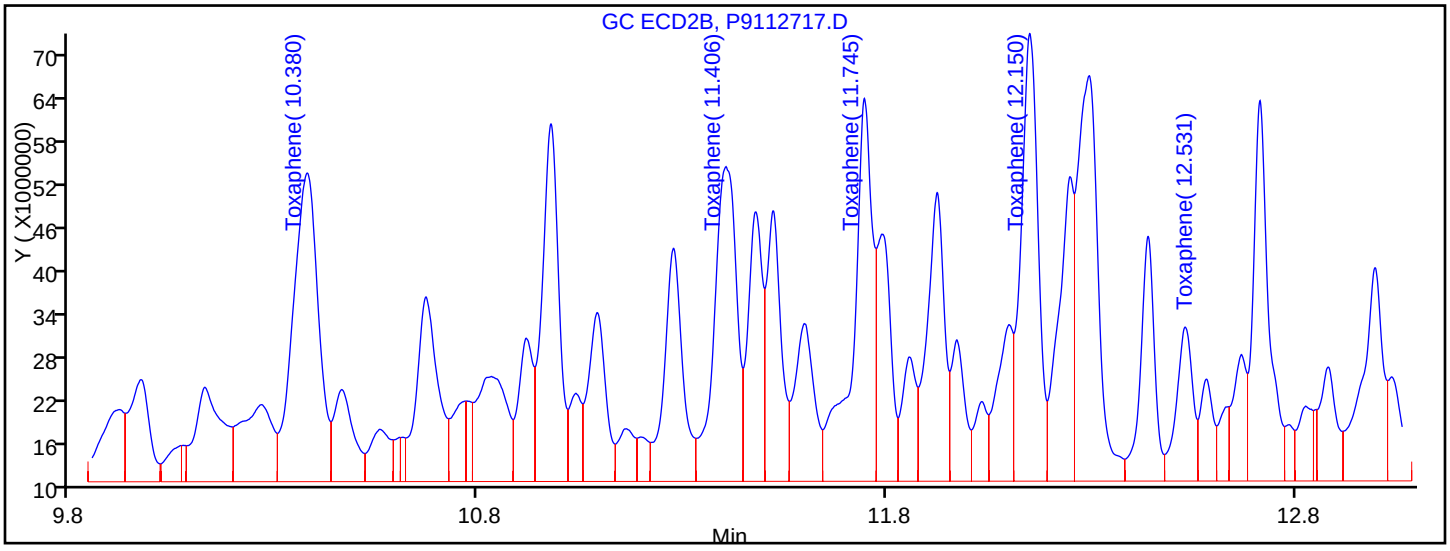
Injection Date:	28-Nov-2012 09:09:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.380	Response = 154227357	M
RT = 11.406	Response = 146641355	M
RT = 11.745	Response = 157635027	M
RT = 12.150	Response = 170404458	M
RT = 12.531	Response = 50855560	M



Manual Integration Results

RT = 10.380	Response = 183900871	M
RT = 11.406	Response = 166187007	M
RT = 11.745	Response = 177517569	M
RT = 12.150	Response = 180825847	M
RT = 12.531	Response = 59492552	M

Reviewer: vandorenc, 29-Nov-2012 09:52:02

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/30 Calibration Date: 11/28/2012 15:08

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112730.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3168667215	3778911440		0.0298	0.0250	19.3	20.0
gamma-BHC (Lindane)	Ave	2696239648	3128234760		0.0290	0.0250	16.0	20.0
beta-BHC	Ave	1192117427	1388909440		0.0291	0.0250	16.5	20.0
delta-BHC	Ave	2593377382	3186616440		0.0307	0.0250	22.9*	20.0
Heptachlor	Ave	2436929739	2818097360		0.0289	0.0250	15.6	20.0
Aldrin	Ave	2967053625	3523978400		0.0297	0.0250	18.8	20.0
Heptachlor epoxide	Ave	2465306798	2921293600		0.0296	0.0250	18.5	20.0
gamma-Chlordane	Ave	2642311293	3105597640		0.0294	0.0250	17.5	20.0
alpha-Chlordane	Ave	2713419924	3192427440		0.0294	0.0250	17.7	20.0
Endosulfan I	Ave	2329014810	2778540920		0.0298	0.0250	19.3	20.0
4,4'-DDE	Ave	2894548445	3427364320		0.0296	0.0250	18.4	20.0
Dieldrin	Ave	2429335459	2888296840		0.0297	0.0250	18.9	20.0
Endrin	Ave	2233310440	2619065360		0.0293	0.0250	17.3	20.0
4,4'-DDD	Ave	1791905190	2239551960		0.0312	0.0250	25.0*	20.0
Endosulfan II	Ave	2120779171	2591974160		0.0306	0.0250	22.2*	20.0
4,4'-DDT	Ave	1420166233	1646132920		0.0290	0.0250	15.9	20.0
Endrin aldehyde	Ave	1574397867	1881319840		0.0299	0.0250	19.5	20.0
Methoxychlor	Ave	679722133	819089120		0.0301	0.0250	20.5*	20.0
Endosulfan sulfate	Ave	1727152069	2140127480		0.0310	0.0250	23.9*	20.0
Endrin ketone	Ave	1892819765	2282915440		0.0302	0.0250	20.6*	20.0
Tetrachloro-m-xylene	Ave	2415797538	2637612000		0.0273	0.0250	9.2	20.0
DCB Decachlorobiphenyl	Ave	2061793819	2425132520		0.0294	0.0250	17.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/30 Calibration Date: 11/28/2012 15:08

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112730.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.23	4.20	4.26
gamma-BHC (Lindane)	4.61	4.58	4.64
beta-BHC	4.74	4.71	4.77
delta-BHC	4.96	4.93	4.99
Heptachlor	5.24	5.21	5.28
Aldrin	5.71	5.68	5.74
Heptachlor epoxide	6.96	6.93	6.99
gamma-Chlordane	7.28	7.25	7.31
alpha-Chlordane	7.62	7.59	7.65
Endosulfan I	7.90	7.87	7.93
4,4'-DDE	8.00	7.97	8.03
Dieldrin	8.46	8.43	8.49
Endrin	8.91	8.88	8.94
4,4'-DDD	9.26	9.23	9.29
Endosulfan II	9.36	9.33	9.39
4,4'-DDT	9.78	9.75	9.81
Endrin aldehyde	10.14	10.11	10.17
Methoxychlor	10.72	10.69	10.75
Endosulfan sulfate	10.86	10.83	10.89
Endrin ketone	11.26	11.23	11.29
Tetrachloro-m-xylene	3.54	3.51	3.57
DCB Decachlorobiphenyl	12.86	12.83	12.89

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112730.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 28-Nov-2012 15:08:10 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-030
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 66500 Lims Sample ID: 30
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:36 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	65940300	0.0273			
2	100	4.141	4.141	0.000	184680112	0.0260			
						RPD = 4.93			
5 alpha-BHC									
1	100	4.226	4.226	0.000	94472786	0.0298			
2	100	4.979	4.979	0.000	280367323	0.0282			
						RPD = 5.55			
20 gamma-BHC (Lindane)									
1	100	4.606	4.606	0.000	78205869	0.0290			
2	100	5.548	5.548	0.000	229651989	0.0277			
						RPD = 4.64			
7 beta-BHC									
1	100	4.739	4.739	0.000	34722736	0.0291			
2	100	5.728	5.728	0.000	103302527	0.0287			
						RPD = 1.65			
11 delta-BHC									
1	100	4.957	4.957	0.000	79665411	0.0307			
2	100	6.292	6.292	0.000	234634665	0.0297			
						RPD = 3.53			
22 Heptachlor									
1	100	5.244	5.244	0.000	70452434	0.0289			
2	100	6.394	6.394	0.000	196270896	0.0275			
						RPD = 5.05			
4 Aldrin									
1	100	5.705	5.705	0.000	88099460	0.0297			
2	100	7.131	7.131	0.000	234516325	0.0285			
						RPD = 3.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	73032340	0.0296			
2	100	8.606	8.606	0.000	193557459	0.0283			
						RPD = 4.46			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	77639941	0.0294			
2	100	9.026	9.026	0.000	195442266	0.0280			
						RPD = 4.66			
6 alpha-Chlordane									
1	100	7.624	7.624	0.000	79810686	0.0294			
2	100	9.336	9.336	0.000	197588591	0.0281			
						RPD = 4.66			
14 Endosulfan I									
1	100	7.898	7.898	0.000	69463523	0.0298			
2	100	9.396	9.396	0.000	163270777	0.0283			
						RPD = 5.08			
2 4,4'-DDE									
1	100	7.997	7.997	0.000	85684108	0.0296			
2	100	9.788	9.788	0.000	199767202	0.0277			
						RPD = 6.57			
13 Dieldrin									
1	100	8.458	8.458	0.000	72207421	0.0297			
2	100	9.927	9.927	0.000	178282638	0.0282			
						RPD = 5.19			
17 Endrin									
1	100	8.909	8.909	0.000	65476634	0.0293			
2	100	10.446	10.446	0.000	161963659	0.0278			
						RPD = 5.19			
1 4,4'-DDD									
1	100	9.264	9.264	0.000	55988799	0.0312			
2	100	10.810	10.810	0.000	282752839	0.0288			
						RPD = 8.06			
15 Endosulfan II									
1	100	9.355	9.355	0.000	64799354	0.0306			
2	100	10.810	10.810	0.000	282752839	0.0288			
						RPD = 5.83			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	41153323	0.0290			
2	100	11.293	11.293	0.000	92318094	0.0277			
						RPD = 4.42			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	47032996	0.0299			
2	100	11.385	11.385	0.000	109164684	0.0285			
						RPD = 4.59			
27 Methoxychlor									
1	100	10.723	10.723	0.000	20477228	0.0301			
2	100	12.366	12.366	0.000	45603564	0.0274			
						RPD = 9.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	53503187	0.0310			
2	100	11.816	11.816	0.000	125321293	0.0290			
						RPD = 6.43			
19 Endrin ketone									
1	100	11.260	11.260	0.000	57072886	0.0302			
2	100	12.552	12.552	0.000	124515955	0.0284			
						RPD = 5.98			
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.863	0.000	60628313	0.0294			
2	100	14.325	14.325	0.000	128443231	0.0271			
						RPD = 8.00			

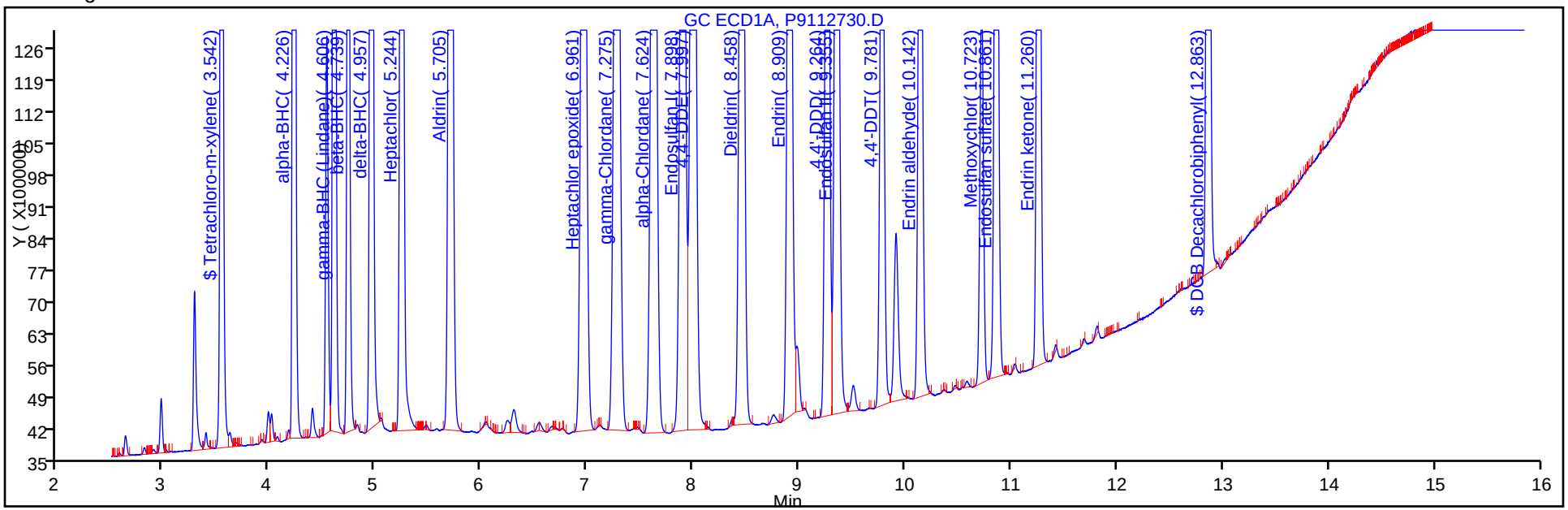
Report Date: 29-Nov-2012 11:21:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

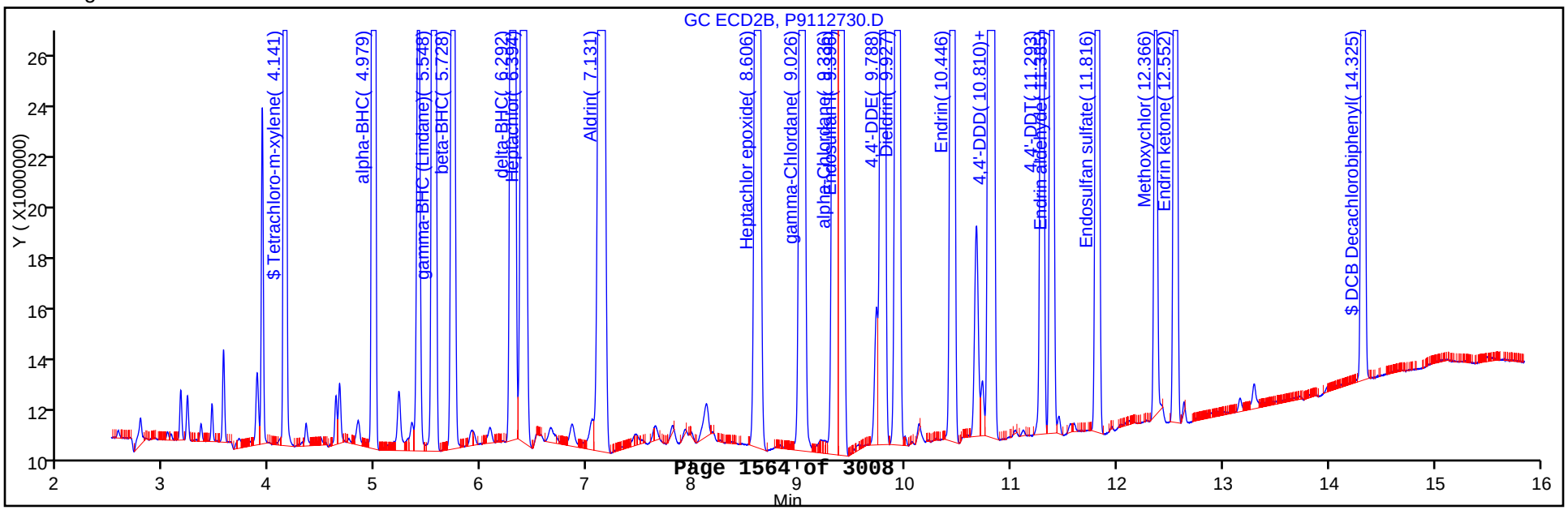
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112730.D

Injection Date:	28-Nov-2012 15:08:10	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	30
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/30 Calibration Date: 11/28/2012 15:08

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112730.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	9940089371	11214692920		0.0282	0.0250	12.8	20.0
gamma-BHC (Lindane)	Ave	8293601368	9186079560		0.0277	0.0250	10.8	20.0
beta-BHC	Ave	3605562217	4132101080		0.0287	0.0250	14.6	20.0
delta-BHC	Ave	7912733268	9385386600		0.0297	0.0250	18.6	20.0
Heptachlor	Ave	7140697065	7850835840		0.0275	0.0250	9.9	20.0
Aldrin	Ave	8215129958	9380653000		0.0285	0.0250	14.2	20.0
Heptachlor epoxide	Ave	6831839093	7742298360		0.0283	0.0250	13.3	20.0
gamma-Chlordane	Ave	6968754018	7817690640		0.0280	0.0250	12.2	20.0
alpha-Chlordane	Ave	7037942515	7903543640		0.0281	0.0250	12.3	20.0
Endosulfan I	Ave	5759774207	6530831080		0.0283	0.0250	13.4	20.0
4,4'-DDE	Ave	7207034711	7990688080		0.0277	0.0250	10.9	20.0
Dieldrin	Ave	6317654321	7131305520		0.0282	0.0250	12.9	20.0
Endrin	Ave	5818678867	6478546360		0.0278	0.0250	11.3	20.0
4,4'-DDD	Ave	9809607119	11310113560		0.0288	0.0250	15.3	20.0
Endosulfan II	Ave	9809607119	11310113560		0.0288	0.0250	15.3	20.0
4,4'-DDT	Ave	3329664076	3692723760		0.0277	0.0250	10.9	20.0
Endrin aldehyde	Ave	3825777334	4366587360		0.0285	0.0250	14.1	20.0
Endosulfan sulfate	Ave	4314206102	5012851720		0.0290	0.0250	16.2	20.0
Methoxychlor	Ave	1662173652	1824142560		0.0274	0.0250	9.7	20.0
Endrin ketone	Ave	4384149523	4980638200		0.0284	0.0250	13.6	20.0
Tetrachloro-m-xylene	Ave	7107894572	7387204480		0.0260	0.0250	3.9	20.0
DCB Decachlorobiphenyl	Ave	4732054895	5137729240		0.0271	0.0250	8.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/30 Calibration Date: 11/28/2012 15:08

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112730.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.98	4.95	5.01
gamma-BHC (Lindane)	5.55	5.52	5.58
beta-BHC	5.73	5.70	5.76
delta-BHC	6.29	6.26	6.32
Heptachlor	6.39	6.36	6.43
Aldrin	7.13	7.10	7.16
Heptachlor epoxide	8.61	8.58	8.64
gamma-Chlordane	9.03	9.00	9.06
alpha-Chlordane	9.34	9.31	9.37
Endosulfan I	9.40	9.37	9.43
4,4'-DDE	9.79	9.76	9.82
Dieldrin	9.93	9.90	9.96
Endrin	10.45	10.42	10.48
4,4'-DDD	10.81	10.78	10.84
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.29	11.26	11.32
Endrin aldehyde	11.39	11.36	11.42
Endosulfan sulfate	11.82	11.79	11.85
Methoxychlor	12.37	12.34	12.40
Endrin ketone	12.55	12.52	12.58
Tetrachloro-m-xylene	4.14	4.11	4.17
DCB Decachlorobiphenyl	14.33	14.30	14.36

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112730.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 28-Nov-2012 15:08:10 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-030
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 66500 Lims Sample ID: 30
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:36 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	65940300	0.0273			
2	100	4.141	4.141	0.000	184680112	0.0260			
						RPD = 4.93			
5 alpha-BHC									
1	100	4.226	4.226	0.000	94472786	0.0298			
2	100	4.979	4.979	0.000	280367323	0.0282			
						RPD = 5.55			
20 gamma-BHC (Lindane)									
1	100	4.606	4.606	0.000	78205869	0.0290			
2	100	5.548	5.548	0.000	229651989	0.0277			
						RPD = 4.64			
7 beta-BHC									
1	100	4.739	4.739	0.000	34722736	0.0291			
2	100	5.728	5.728	0.000	103302527	0.0287			
						RPD = 1.65			
11 delta-BHC									
1	100	4.957	4.957	0.000	79665411	0.0307			
2	100	6.292	6.292	0.000	234634665	0.0297			
						RPD = 3.53			
22 Heptachlor									
1	100	5.244	5.244	0.000	70452434	0.0289			
2	100	6.394	6.394	0.000	196270896	0.0275			
						RPD = 5.05			
4 Aldrin									
1	100	5.705	5.705	0.000	88099460	0.0297			
2	100	7.131	7.131	0.000	234516325	0.0285			
						RPD = 3.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	73032340	0.0296			
2	100	8.606	8.606	0.000	193557459	0.0283			
						RPD = 4.46			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	77639941	0.0294			
2	100	9.026	9.026	0.000	195442266	0.0280			
						RPD = 4.66			
6 alpha-Chlordane									
1	100	7.624	7.624	0.000	79810686	0.0294			
2	100	9.336	9.336	0.000	197588591	0.0281			
						RPD = 4.66			
14 Endosulfan I									
1	100	7.898	7.898	0.000	69463523	0.0298			
2	100	9.396	9.396	0.000	163270777	0.0283			
						RPD = 5.08			
2 4,4'-DDE									
1	100	7.997	7.997	0.000	85684108	0.0296			
2	100	9.788	9.788	0.000	199767202	0.0277			
						RPD = 6.57			
13 Dieldrin									
1	100	8.458	8.458	0.000	72207421	0.0297			
2	100	9.927	9.927	0.000	178282638	0.0282			
						RPD = 5.19			
17 Endrin									
1	100	8.909	8.909	0.000	65476634	0.0293			
2	100	10.446	10.446	0.000	161963659	0.0278			
						RPD = 5.19			
1 4,4'-DDD									
1	100	9.264	9.264	0.000	55988799	0.0312			
2	100	10.810	10.810	0.000	282752839	0.0288			
						RPD = 8.06			
15 Endosulfan II									
1	100	9.355	9.355	0.000	64799354	0.0306			
2	100	10.810	10.810	0.000	282752839	0.0288			
						RPD = 5.83			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	41153323	0.0290			
2	100	11.293	11.293	0.000	92318094	0.0277			
						RPD = 4.42			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	47032996	0.0299			
2	100	11.385	11.385	0.000	109164684	0.0285			
						RPD = 4.59			
27 Methoxychlor									
1	100	10.723	10.723	0.000	20477228	0.0301			
2	100	12.366	12.366	0.000	45603564	0.0274			
						RPD = 9.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	53503187	0.0310			
2	100	11.816	11.816	0.000	125321293	0.0290			
						RPD = 6.43			
19 Endrin ketone									
1	100	11.260	11.260	0.000	57072886	0.0302			
2	100	12.552	12.552	0.000	124515955	0.0284			
						RPD = 5.98			
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.863	0.000	60628313	0.0294			
2	100	14.325	14.325	0.000	128443231	0.0271			
						RPD = 8.00			

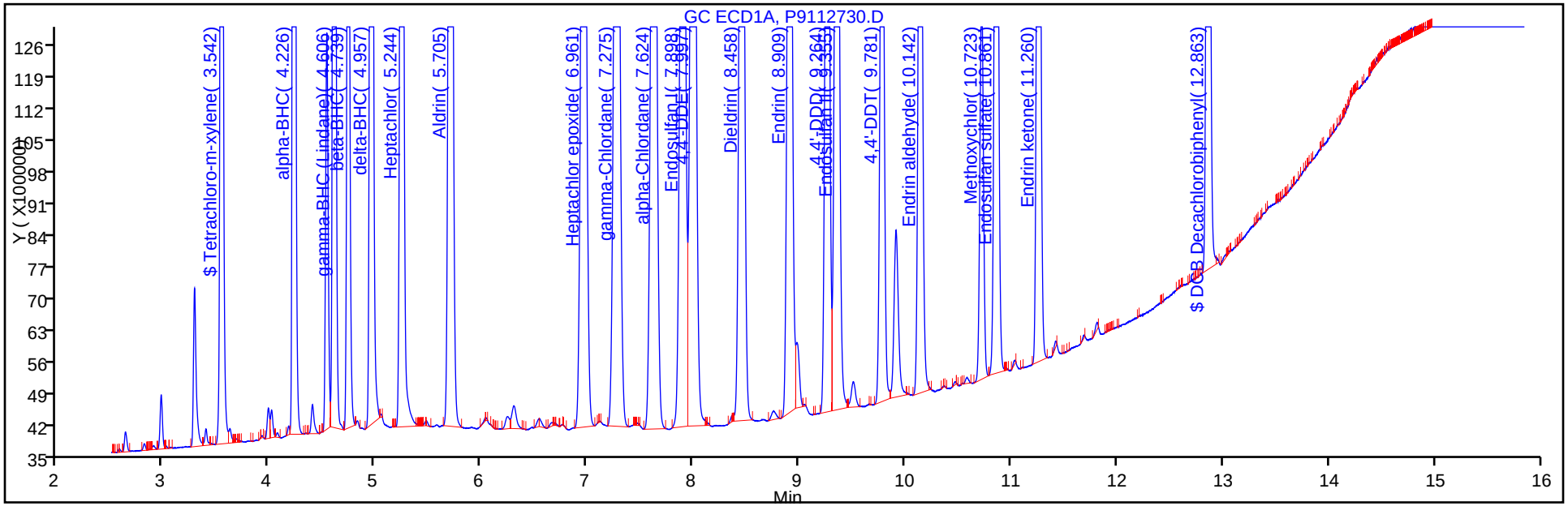
Report Date: 29-Nov-2012 11:21:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

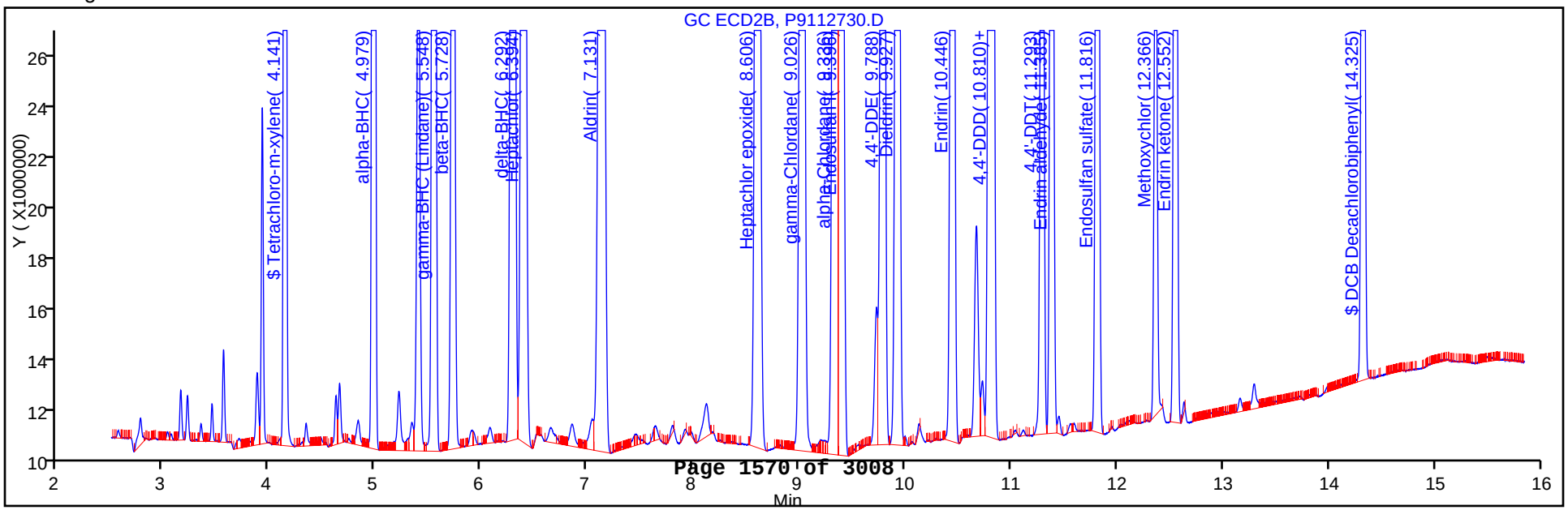
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112730.D

Injection Date:	28-Nov-2012 15:08:10	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	30
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/41 Calibration Date: 11/28/2012 20:15

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112741.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3168667215	4365977160		0.0344	0.0250	37.8*	20.0
gamma-BHC (Lindane)	Ave	2696239648	3698201760		0.0343	0.0250	37.2*	20.0
beta-BHC	Ave	1192117427	1604763080		0.0337	0.0250	34.6*	20.0
delta-BHC	Ave	2593377382	3593306240		0.0346	0.0250	38.6*	20.0
Heptachlor	Ave	2436929739	3216611000		0.0330	0.0250	32.0*	20.0
Aldrin	Ave	2967053625	3921148880		0.0330	0.0250	32.2*	20.0
Heptachlor epoxide	Ave	2465306798	3281699640		0.0333	0.0250	33.1*	20.0
gamma-Chlordane	Ave	2642311293	3486527960		0.0330	0.0250	31.9*	20.0
alpha-Chlordane	Ave	2713419924	3565233320		0.0328	0.0250	31.4*	20.0
Endosulfan I	Ave	2329014810	3093166720		0.0332	0.0250	32.8*	20.0
4,4'-DDE	Ave	2894548445	3714310840		0.0321	0.0250	28.3*	20.0
Dieldrin	Ave	2429335459	3222838800		0.0332	0.0250	32.7*	20.0
Endrin	Ave	2233310440	2920396400		0.0327	0.0250	30.8*	20.0
4,4'-DDD	Ave	1791905190	2447204360		0.0341	0.0250	36.6*	20.0
Endosulfan II	Ave	2120779171	2862107320		0.0337	0.0250	35.0*	20.0
4,4'-DDT	Ave	1420166233	1861491120		0.0328	0.0250	31.1*	20.0
Endrin aldehyde	Ave	1574397867	2055865520		0.0326	0.0250	30.6*	20.0
Methoxychlor	Ave	679722133	897030560		0.0330	0.0250	32.0*	20.0
Endosulfan sulfate	Ave	1727152069	2351626800		0.0340	0.0250	36.2*	20.0
Endrin ketone	Ave	1892819765	2544882640		0.0336	0.0250	34.4*	20.0
Tetrachloro-m-xylene	Ave	2415797538	2806110480		0.0290	0.0250	16.2	20.0
DCB Decachlorobiphenyl	Ave	2061793819	2632651200		0.0319	0.0250	27.7*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/41 Calibration Date: 11/28/2012 20:15

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112741.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.23	4.20	4.26
gamma-BHC (Lindane)	4.61	4.58	4.64
beta-BHC	4.74	4.71	4.77
delta-BHC	4.96	4.93	4.99
Heptachlor	5.24	5.21	5.28
Aldrin	5.70	5.67	5.73
Heptachlor epoxide	6.96	6.93	6.99
gamma-Chlordane	7.28	7.25	7.31
alpha-Chlordane	7.62	7.59	7.65
Endosulfan I	7.90	7.87	7.93
4,4'-DDE	8.00	7.97	8.03
Dieldrin	8.46	8.43	8.49
Endrin	8.91	8.88	8.94
4,4'-DDD	9.26	9.23	9.29
Endosulfan II	9.35	9.32	9.38
4,4'-DDT	9.78	9.75	9.81
Endrin aldehyde	10.14	10.11	10.17
Methoxychlor	10.72	10.69	10.75
Endosulfan sulfate	10.86	10.83	10.89
Endrin ketone	11.26	11.23	11.29
Tetrachloro-m-xylene	3.54	3.51	3.57
DCB Decachlorobiphenyl	12.86	12.83	12.89

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112741.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 28-Nov-2012 20:15:23 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-041
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 41
Lims Batch ID: 66500 Lims Sample ID: 41
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:47 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:11:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	70152762	0.0290			
2	100	4.140	4.140	0.000	197739586	0.0278			
						RPD = 4.29			
5 alpha-BHC									
1	100	4.225	4.225	0.000	109149429	0.0344			
2	100	4.978	4.978	0.000	322250865	0.0324			
						RPD = 6.06			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	92455044	0.0343			
2	100	5.547	5.547	0.000	265375224	0.0320			
						RPD = 6.92			
7 beta-BHC									
1	100	4.738	4.738	0.000	40119077	0.0337			
2	100	5.727	5.727	0.000	114456923	0.0317			
						RPD = 5.84			
11 delta-BHC									
1	100	4.956	4.956	0.000	89832656	0.0346			
2	100	6.292	6.292	0.000	258625325	0.0327			
						RPD = 5.81			
22 Heptachlor									
1	100	5.242	5.242	0.000	80415275	0.0330			
2	100	6.393	6.393	0.000	221543812	0.0310			
						RPD = 6.16			
4 Aldrin									
1	100	5.704	5.704	0.000	98028722	0.0330			
2	100	7.132	7.132	0.000	258865932	0.0315			
						RPD = 4.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	82042491	0.0333			
2	100	8.605	8.605	0.000	216315262	0.0317			
						RPD = 4.98			
21 gamma-Chlordane									M
1	100	7.275	7.275	0.000	87163199	0.0330			M
2	100	9.025	9.025	0.000	217851877	0.0313			
						RPD = 5.37			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	89130833	0.0328			
2	100	9.333	9.333	0.000	218874761	0.0311			
						RPD = 5.47			
14 Endosulfan I									
1	100	7.897	7.897	0.000	77329168	0.0332			
2	100	9.396	9.396	0.000	182464534	0.0317			
						RPD = 4.70			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	92857771	0.0321			
2	100	9.787	9.787	0.000	216547038	0.0300			
						RPD = 6.55			
13 Dieldrin									
1	100	8.455	8.455	0.000	80570970	0.0332			
2	100	9.927	9.927	0.000	199025310	0.0315			
						RPD = 5.14			
17 Endrin									
1	100	8.908	8.908	0.000	73009910	0.0327			
2	100	10.444	10.444	0.000	180849286	0.0311			
						RPD = 5.05			
1 4,4'-DDD									
1	100	9.264	9.264	0.000	61180109	0.0341			
2	100	10.810	10.810	0.000	314814438	0.0321			
						RPD = 6.19			
15 Endosulfan II									
1	100	9.354	9.354	0.000	71552683	0.0337			
2	100	10.810	10.810	0.000	314814438	0.0321			
						RPD = 5.00			
3 4,4'-DDT									
1	100	9.780	9.780	0.000	46537278	0.0328			
2	100	11.292	11.292	0.000	103354364	0.0310			
						RPD = 5.42			
18 Endrin aldehyde									
1	100	10.141	10.141	0.000	51396638	0.0326			
2	100	11.383	11.383	0.000	118786875	0.0310			
						RPD = 5.01			
27 Methoxychlor									
1	100	10.722	10.722	0.000	22425764	0.0330			
2	100	12.365	12.365	0.000	51832358	0.0312			
						RPD = 5.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	58790670	0.0340			
2	100	11.814	11.814	0.000	139239866	0.0323			
						RPD = 5.32			
19 Endrin ketone									
1	100	11.261	11.261	0.000	63622066	0.0336			
2	100	12.552	12.552	0.000	140321406	0.0320			
						RPD = 4.89			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	65816280	0.0319			
2	100	14.324	14.324	0.000	142344940	0.0301			
						RPD = 5.94			

QC Flag Legend

Review Flags
M - Manually Integrated

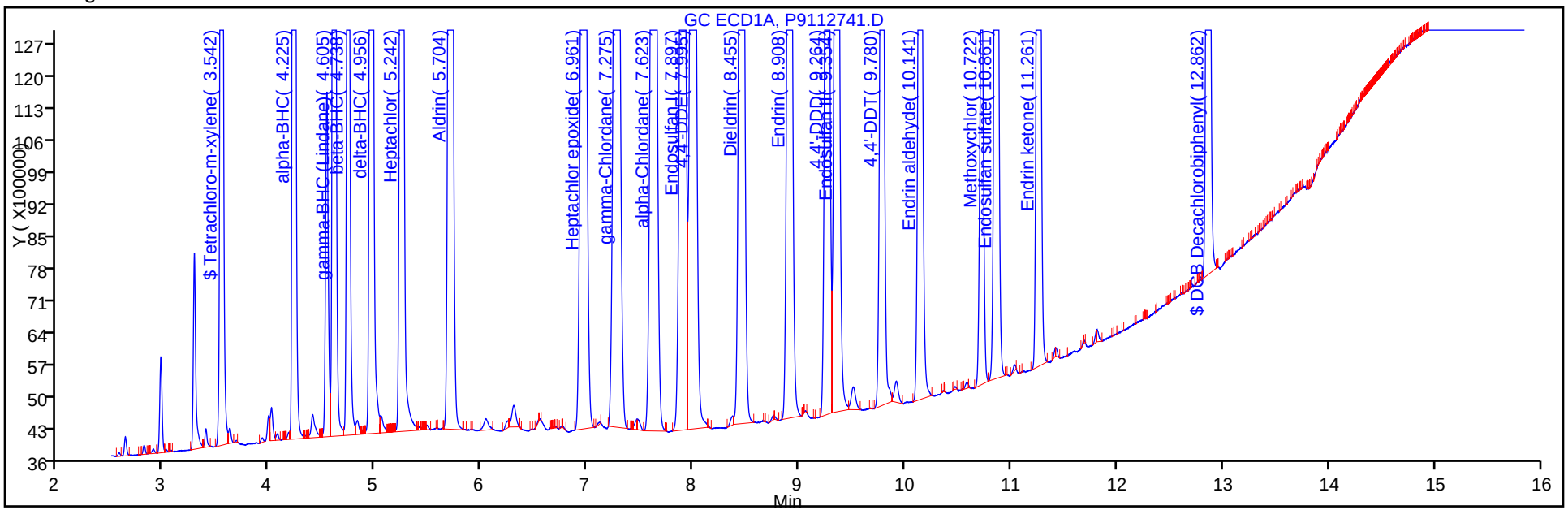
Report Date: 29-Nov-2012 11:21:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

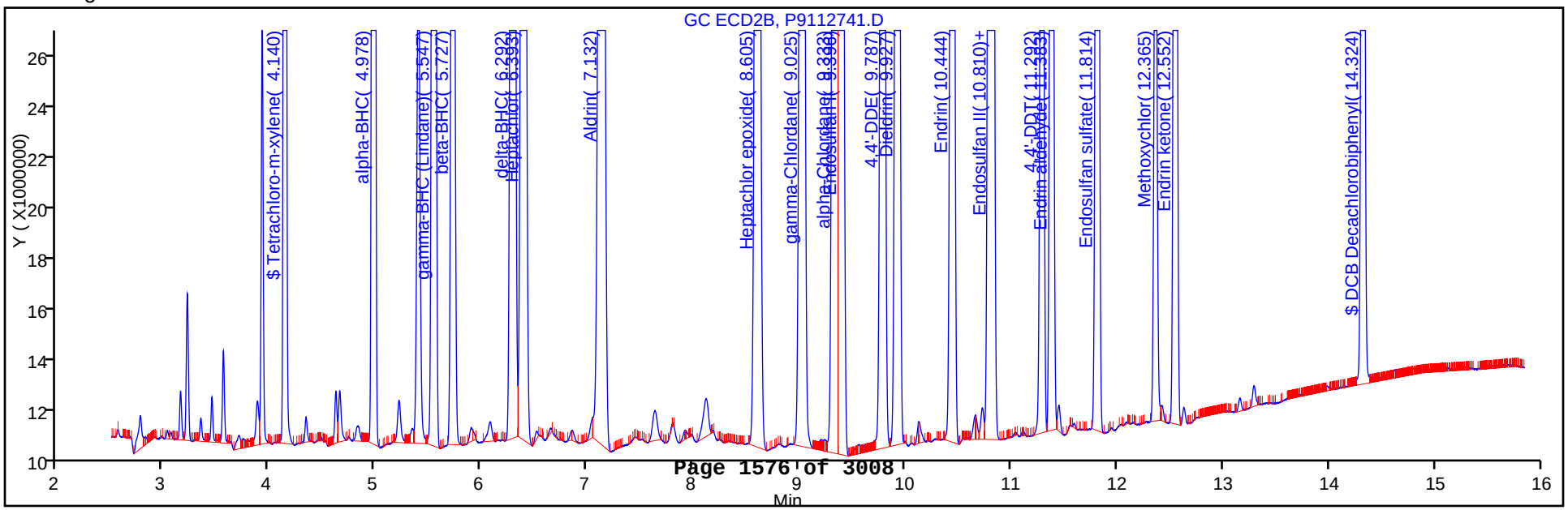
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112741.D

Injection Date:	28-Nov-2012 20:15:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	41
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

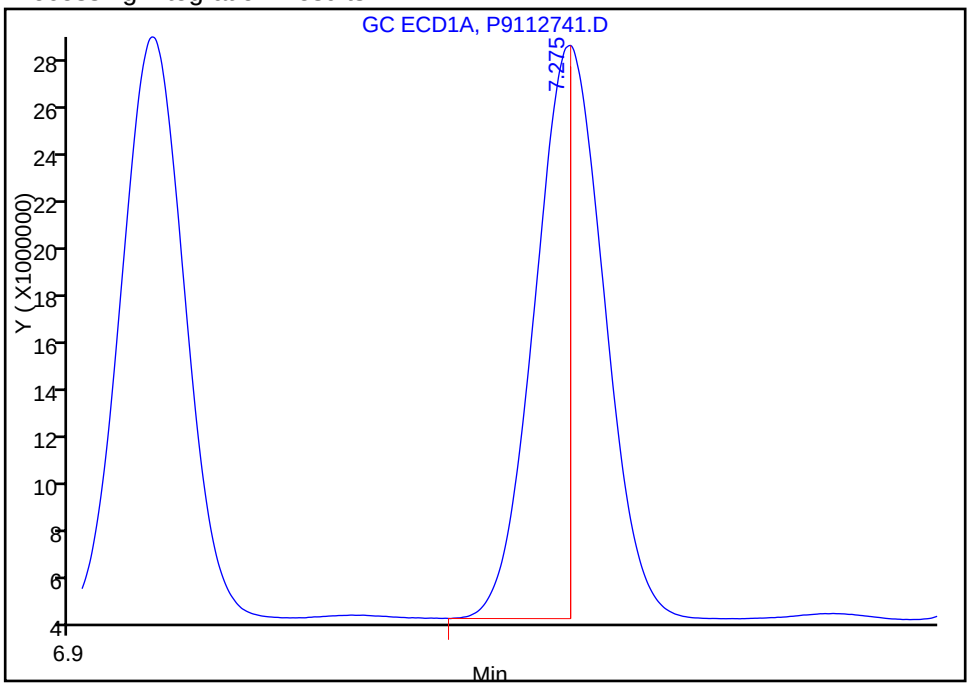
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112741.D		
Injection Date:	28-Nov-2012 20:15:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	41
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

21 gamma-Chlordane, Signal: 1, Type: quant, RT: 7.27, Det: GC ECD1A

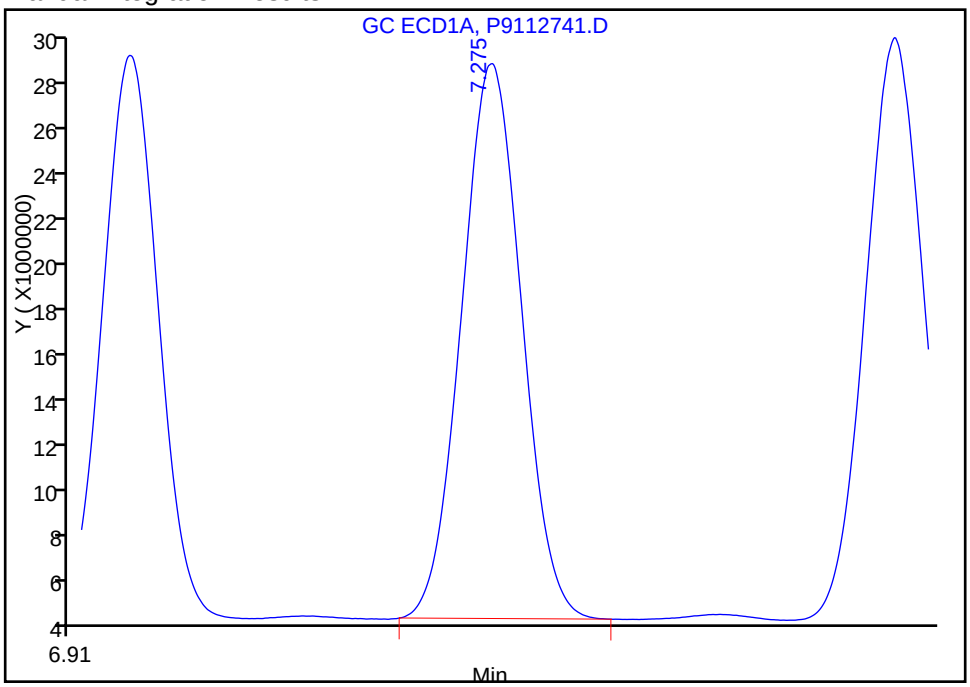
Processing Integration Results

RT: 7.27
Response: 44403729
Amount: 0.016805



Manual Integration Results

RT: 7.27
Response: 87163199
Amount: 0.032987



Reviewer: vandorenc, 29-Nov-2012 10:11:31
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/41 Calibration Date: 11/28/2012 20:15

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112741.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	9940089371	12890034600		0.0324	0.0250	29.7*	20.0
gamma-BHC (Lindane)	Ave	8293601368	10615008960		0.0320	0.0250	28.0*	20.0
beta-BHC	Ave	3605562217	4578276920		0.0317	0.0250	27.0*	20.0
delta-BHC	Ave	7912733268	10345013000		0.0327	0.0250	30.7*	20.0
Heptachlor	Ave	7140697065	8861752480		0.0310	0.0250	24.1*	20.0
Aldrin	Ave	8215129958	10354637280		0.0315	0.0250	26.0*	20.0
Heptachlor epoxide	Ave	6831839093	8652610480		0.0317	0.0250	26.7*	20.0
gamma-Chlordane	Ave	6968754018	8714075080		0.0313	0.0250	25.0*	20.0
alpha-Chlordane	Ave	7037942515	8754990440		0.0311	0.0250	24.4*	20.0
Endosulfan I	Ave	5759774207	7298581360		0.0317	0.0250	26.7*	20.0
4,4'-DDE	Ave	7207034711	8661881520		0.0300	0.0250	20.2*	20.0
Dieldrin	Ave	6317654321	7961012400		0.0315	0.0250	26.0*	20.0
Endrin	Ave	5818678867	7233971440		0.0311	0.0250	24.3*	20.0
4,4'-DDD	Ave	9809607119	12592577520		0.0321	0.0250	28.4*	20.0
Endosulfan II	Ave	9809607119	12592577520		0.0321	0.0250	28.4*	20.0
4,4'-DDT	Ave	3329664076	4134174560		0.0310	0.0250	24.2*	20.0
Endrin aldehyde	Ave	3825777334	4751475000		0.0310	0.0250	24.2*	20.0
Endosulfan sulfate	Ave	4314206102	5569594640		0.0323	0.0250	29.1*	20.0
Methoxychlor	Ave	1662173652	2073294320		0.0312	0.0250	24.7*	20.0
Endrin ketone	Ave	4384149523	5612856240		0.0320	0.0250	28.0*	20.0
Tetrachloro-m-xylene	Ave	7107894572	7909583440		0.0278	0.0250	11.3	20.0
DCB Decachlorobiphenyl	Ave	4732054895	5693797600		0.0301	0.0250	20.3*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/41 Calibration Date: 11/28/2012 20:15

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112741.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.98	4.95	5.01
gamma-BHC (Lindane)	5.55	5.52	5.58
beta-BHC	5.73	5.70	5.76
delta-BHC	6.29	6.26	6.32
Heptachlor	6.39	6.36	6.43
Aldrin	7.13	7.10	7.16
Heptachlor epoxide	8.61	8.58	8.64
gamma-Chlordane	9.03	9.00	9.06
alpha-Chlordane	9.33	9.30	9.36
Endosulfan I	9.40	9.37	9.43
4,4'-DDE	9.79	9.76	9.82
Dieldrin	9.93	9.90	9.96
Endrin	10.44	10.41	10.47
4,4'-DDD	10.81	10.78	10.84
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.29	11.26	11.32
Endrin aldehyde	11.38	11.35	11.41
Endosulfan sulfate	11.81	11.78	11.84
Methoxychlor	12.37	12.34	12.40
Endrin ketone	12.55	12.52	12.58
Tetrachloro-m-xylene	4.14	4.11	4.17
DCB Decachlorobiphenyl	14.32	14.29	14.35

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112741.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 28-Nov-2012 20:15:23 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-041
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 41
Lims Batch ID: 66500 Lims Sample ID: 41
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:47 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:11:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	70152762	0.0290			
2	100	4.140	4.140	0.000	197739586	0.0278			
						RPD = 4.29			
5 alpha-BHC									
1	100	4.225	4.225	0.000	109149429	0.0344			
2	100	4.978	4.978	0.000	322250865	0.0324			
						RPD = 6.06			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	92455044	0.0343			
2	100	5.547	5.547	0.000	265375224	0.0320			
						RPD = 6.92			
7 beta-BHC									
1	100	4.738	4.738	0.000	40119077	0.0337			
2	100	5.727	5.727	0.000	114456923	0.0317			
						RPD = 5.84			
11 delta-BHC									
1	100	4.956	4.956	0.000	89832656	0.0346			
2	100	6.292	6.292	0.000	258625325	0.0327			
						RPD = 5.81			
22 Heptachlor									
1	100	5.242	5.242	0.000	80415275	0.0330			
2	100	6.393	6.393	0.000	221543812	0.0310			
						RPD = 6.16			
4 Aldrin									
1	100	5.704	5.704	0.000	98028722	0.0330			
2	100	7.132	7.132	0.000	258865932	0.0315			
						RPD = 4.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	82042491	0.0333			
2	100	8.605	8.605	0.000	216315262	0.0317			
						RPD = 4.98			
21 gamma-Chlordane									M
1	100	7.275	7.275	0.000	87163199	0.0330			M
2	100	9.025	9.025	0.000	217851877	0.0313			
						RPD = 5.37			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	89130833	0.0328			
2	100	9.333	9.333	0.000	218874761	0.0311			
						RPD = 5.47			
14 Endosulfan I									
1	100	7.897	7.897	0.000	77329168	0.0332			
2	100	9.396	9.396	0.000	182464534	0.0317			
						RPD = 4.70			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	92857771	0.0321			
2	100	9.787	9.787	0.000	216547038	0.0300			
						RPD = 6.55			
13 Dieldrin									
1	100	8.455	8.455	0.000	80570970	0.0332			
2	100	9.927	9.927	0.000	199025310	0.0315			
						RPD = 5.14			
17 Endrin									
1	100	8.908	8.908	0.000	73009910	0.0327			
2	100	10.444	10.444	0.000	180849286	0.0311			
						RPD = 5.05			
1 4,4'-DDD									
1	100	9.264	9.264	0.000	61180109	0.0341			
2	100	10.810	10.810	0.000	314814438	0.0321			
						RPD = 6.19			
15 Endosulfan II									
1	100	9.354	9.354	0.000	71552683	0.0337			
2	100	10.810	10.810	0.000	314814438	0.0321			
						RPD = 5.00			
3 4,4'-DDT									
1	100	9.780	9.780	0.000	46537278	0.0328			
2	100	11.292	11.292	0.000	103354364	0.0310			
						RPD = 5.42			
18 Endrin aldehyde									
1	100	10.141	10.141	0.000	51396638	0.0326			
2	100	11.383	11.383	0.000	118786875	0.0310			
						RPD = 5.01			
27 Methoxychlor									
1	100	10.722	10.722	0.000	22425764	0.0330			
2	100	12.365	12.365	0.000	51832358	0.0312			
						RPD = 5.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	58790670	0.0340			
2	100	11.814	11.814	0.000	139239866	0.0323			
						RPD = 5.32			
19 Endrin ketone									
1	100	11.261	11.261	0.000	63622066	0.0336			
2	100	12.552	12.552	0.000	140321406	0.0320			
						RPD = 4.89			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	65816280	0.0319			
2	100	14.324	14.324	0.000	142344940	0.0301			
						RPD = 5.94			

QC Flag Legend

Review Flags
M - Manually Integrated

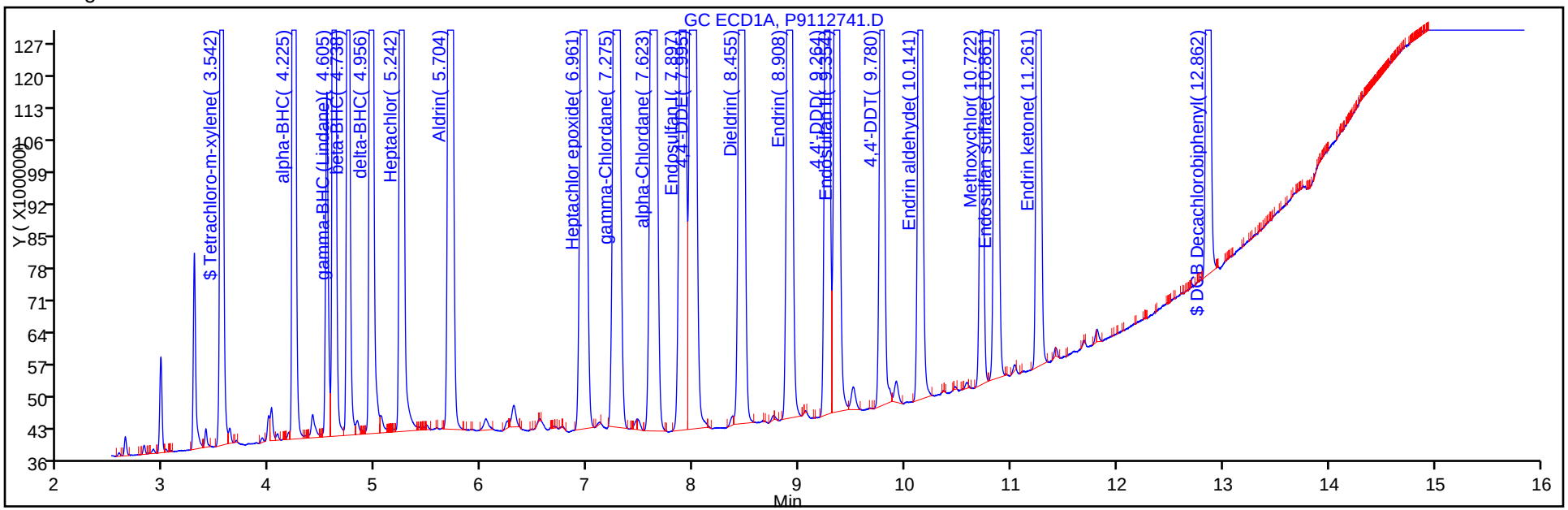
Report Date: 29-Nov-2012 11:21:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

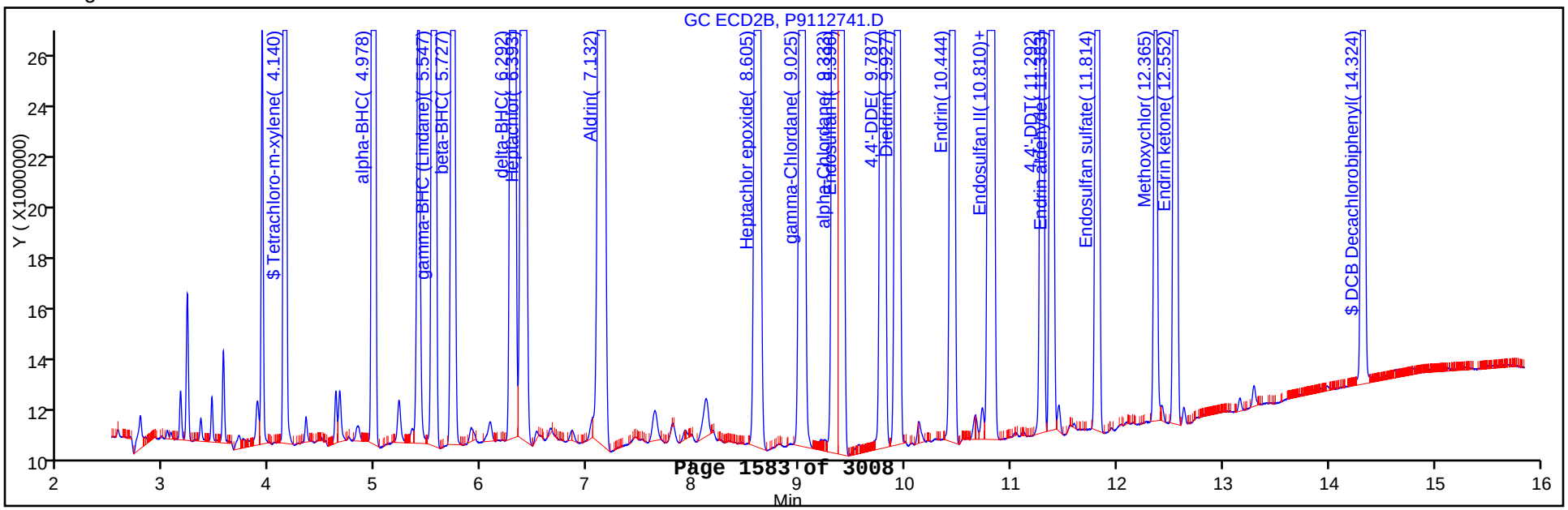
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112741.D

Injection Date:	28-Nov-2012 20:15:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	41
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/52 Calibration Date: 11/29/2012 01:13

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112752.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	82355349	97106210		1.18	1.00	17.9	20.0
Toxaphene Peak 2	Ave	80598016	89173893		1.11	1.00	10.6	20.0
Toxaphene Peak 3	Ave	60115062	71648557		1.19	1.00	19.2	20.0
Toxaphene Peak 4	Ave	79190156	84748411		1.07	1.00	7.0	20.0
Toxaphene Peak 5	Ave	47091318	48315079		1.03	1.00	2.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/52 Calibration Date: 11/29/2012 01:13

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112752.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.48	9.45	9.51
Toxaphene Peak 2	10.02	9.99	10.05
Toxaphene Peak 3	10.09	10.06	10.12
Toxaphene Peak 4	10.67	10.64	10.70
Toxaphene Peak 5	11.23	11.20	11.26

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112752.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 29-Nov-2012 01:13:49 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-052
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 52
Lims Batch ID: 66500 Lims Sample ID: 52
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:58 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:12:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	97106210	1.18		100.0	M
1	2	10.023	10.023	0.000	89173893	1.11	75.2- 115.2	91.8	M
1	3	10.091	10.091	0.000	71648557	1.19	54.7- 94.7	73.8	M
1	4	10.671	10.671	0.000	84748411	1.07	75.4- 115.4	87.3	M
1	5	11.233	11.233	0.000	48315079	1.03	37.4- 77.4	49.8	M
			Average of Peak Amounts =			1.11			
2	100	10.382	10.382	0.000	207068248	1.07		100.0	
2	2	11.399	11.399	0.000	263105114	1.05	108.0- 148.0	127.1	
2	3	11.746	11.746	0.000	89272603	0.9463	28.1- 68.1	43.1	
2	4	12.148	12.148	0.000	178982831	0.9747	72.6- 112.6	86.4	
2	5	12.535	12.535	0.000	48858153	0.8067	9.6- 49.6	23.6	
			Average of Peak Amounts =			0.9688			
						RPD = 14.00			

QC Flag Legend

Review Flags
M - Manually Integrated

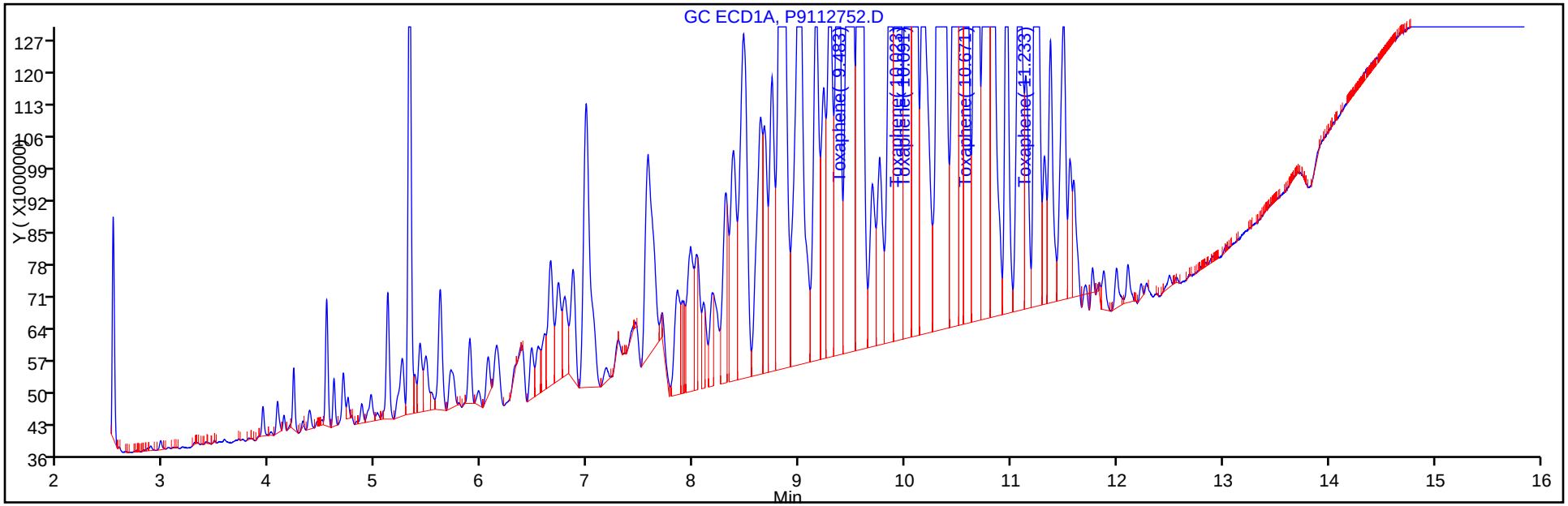
Report Date: 29-Nov-2012 11:21:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

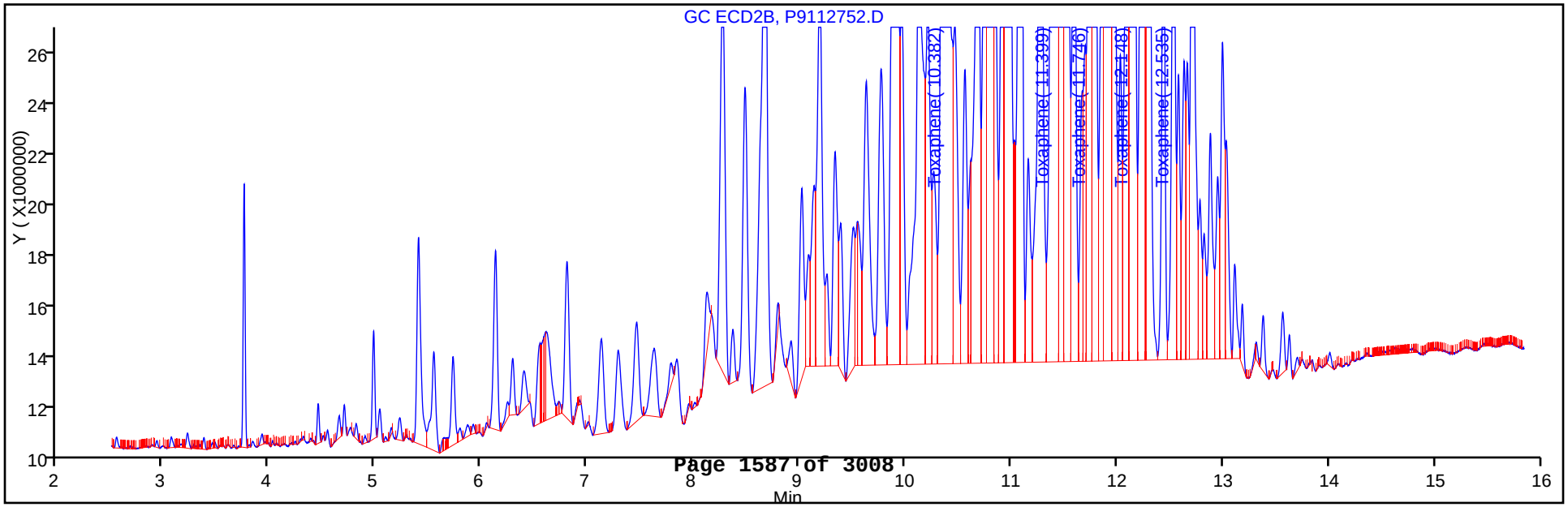
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112752.D

Injection Date:	29-Nov-2012 01:13:49	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	52
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



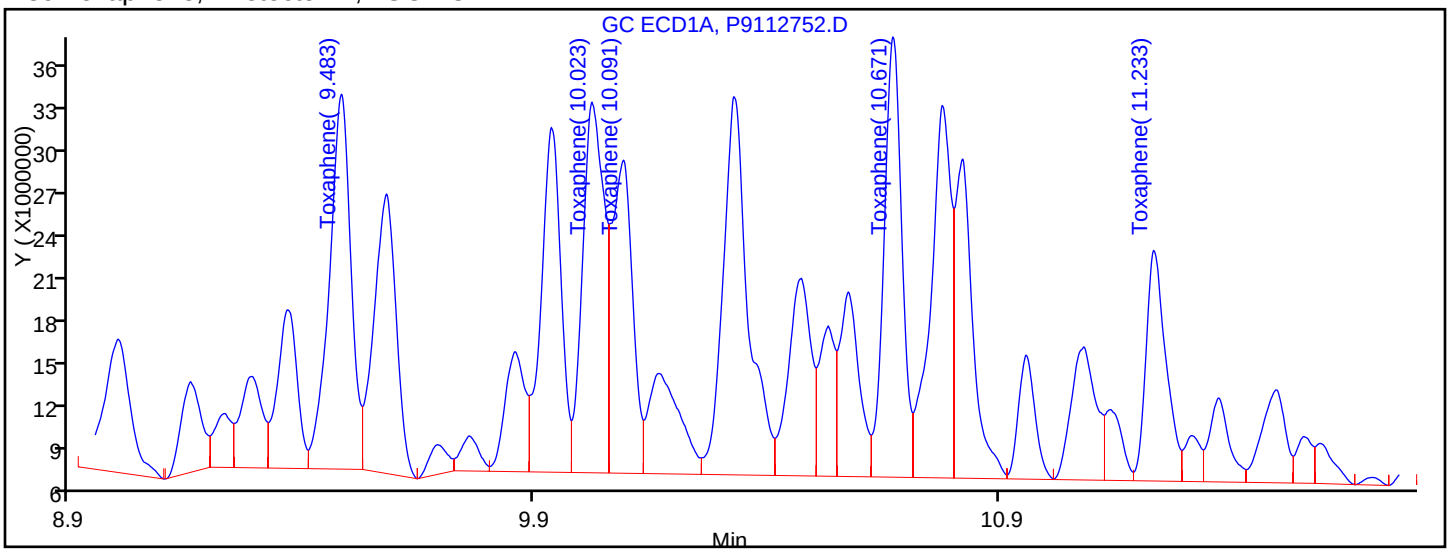
Report Date: 29-Nov-2012 11:21:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112752.D

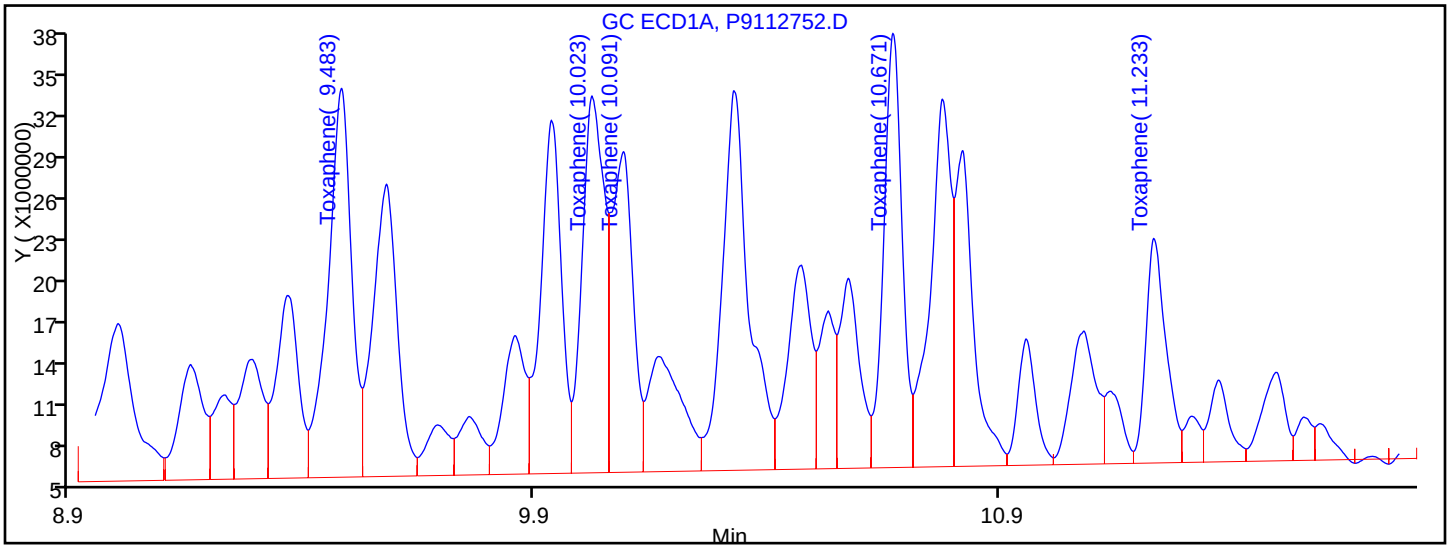
Injection Date:	29-Nov-2012 01:13:49	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	52
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.483	Response = 82766213	M
RT = 10.023	Response = 81990949	M
RT = 10.091	Response = 65414710	M
RT = 10.671	Response = 80383491	M
RT = 11.233	Response = 46961113	M



Manual Integration Results

RT = 9.483	Response = 97106210	M
RT = 10.023	Response = 89173893	M
RT = 10.091	Response = 71648557	M
RT = 10.671	Response = 84748411	M
RT = 11.233	Response = 48315079	M

Reviewer: vandorenc, 29-Nov-2012 10:12:05

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/52 Calibration Date: 11/29/2012 01:13

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112752.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	193329374	207068248		1.07	1.00	7.1	20.0
Toxaphene Peak 2	Ave	251674328	263105114		1.05	1.00	4.5	20.0
Toxaphene Peak 3	Ave	94342583	89272603		0.946	1.00	-5.4	20.0
Toxaphene Peak 4	Ave	183622795	178982831		0.975	1.00	-2.5	20.0
Toxaphene Peak 5	Ave	60562274	48858153		0.807	1.00	-19.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/52 Calibration Date: 11/29/2012 01:13

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112752.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.38	10.35	10.41
Toxaphene Peak 2	11.40	11.37	11.43
Toxaphene Peak 3	11.75	11.72	11.78
Toxaphene Peak 4	12.15	12.12	12.18
Toxaphene Peak 5	12.54	12.51	12.57

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112752.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 29-Nov-2012 01:13:49 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-052
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 52
Lims Batch ID: 66500 Lims Sample ID: 52
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:58 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:12:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	97106210	1.18		100.0	M
1	2	10.023	10.023	0.000	89173893	1.11	75.2- 115.2	91.8	M
1	3	10.091	10.091	0.000	71648557	1.19	54.7- 94.7	73.8	M
1	4	10.671	10.671	0.000	84748411	1.07	75.4- 115.4	87.3	M
1	5	11.233	11.233	0.000	48315079	1.03	37.4- 77.4	49.8	M
			Average of Peak Amounts =			1.11			
2	100	10.382	10.382	0.000	207068248	1.07		100.0	
2	2	11.399	11.399	0.000	263105114	1.05	108.0- 148.0	127.1	
2	3	11.746	11.746	0.000	89272603	0.9463	28.1- 68.1	43.1	
2	4	12.148	12.148	0.000	178982831	0.9747	72.6- 112.6	86.4	
2	5	12.535	12.535	0.000	48858153	0.8067	9.6- 49.6	23.6	
			Average of Peak Amounts =			0.9688			
						RPD = 14.00			

QC Flag Legend

Review Flags
M - Manually Integrated

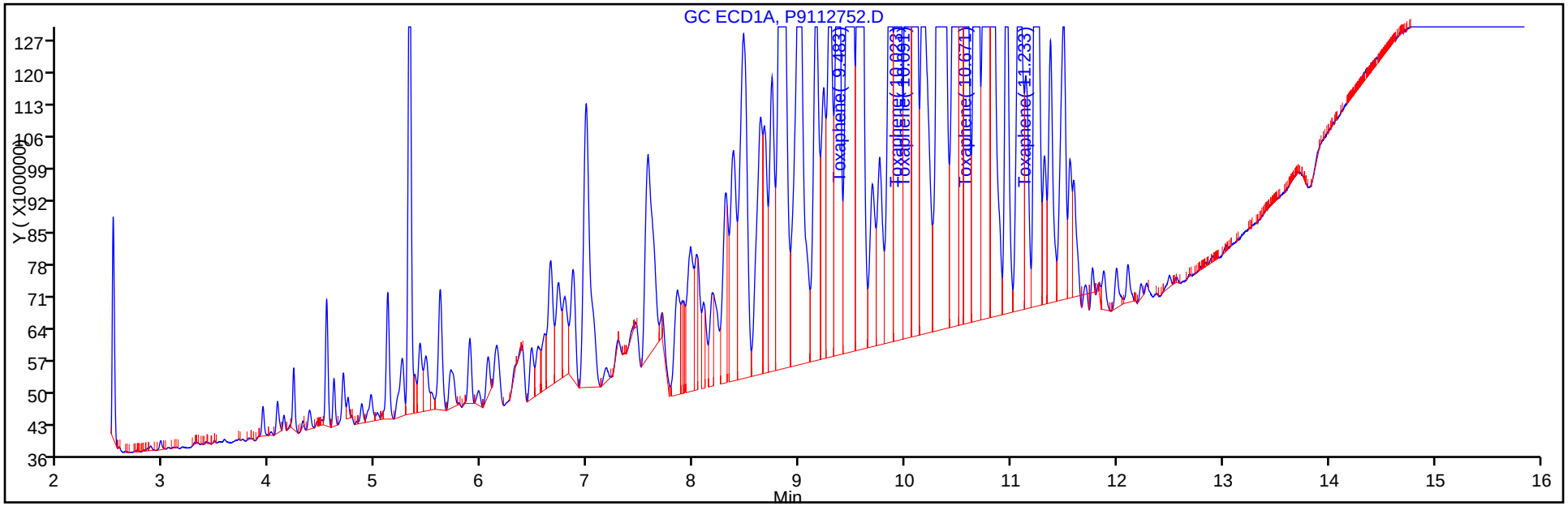
Report Date: 29-Nov-2012 11:21:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

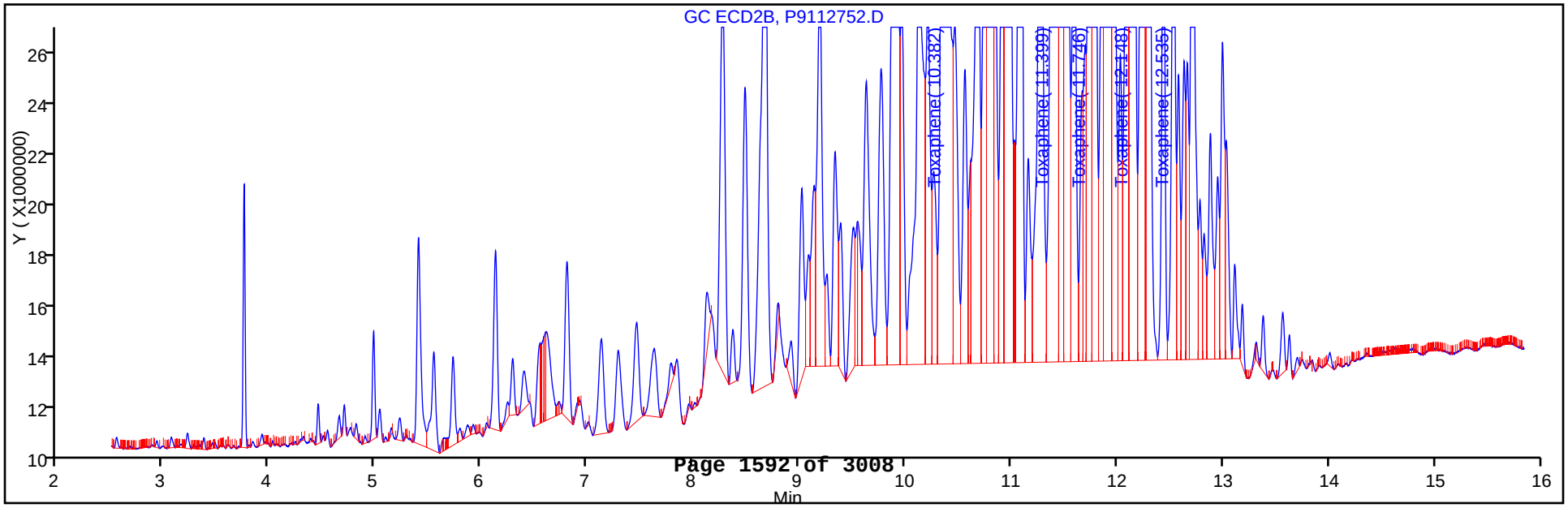
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112752.D

Injection Date:	29-Nov-2012 01:13:49	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	52
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/53 Calibration Date: 11/29/2012 01:41

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112753.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3168667215	4326674720		0.0341	0.0250	36.5*	20.0
gamma-BHC (Lindane)	Ave	2696239648	3554145160		0.0330	0.0250	31.8*	20.0
beta-BHC	Ave	1192117427	1577755240		0.0331	0.0250	32.3*	20.0
delta-BHC	Ave	2593377382	3583439800		0.0345	0.0250	38.2*	20.0
Heptachlor	Ave	2436929739	2953642960		0.0303	0.0250	21.2*	20.0
Aldrin	Ave	2967053625	3929403440		0.0331	0.0250	32.4*	20.0
Heptachlor epoxide	Ave	2465306798	3240314400		0.0329	0.0250	31.4*	20.0
gamma-Chlordane	Ave	2642311293	3467763880		0.0328	0.0250	31.2*	20.0
alpha-Chlordane	Ave	2713419924	3540959560		0.0326	0.0250	30.5*	20.0
Endosulfan I	Ave	2329014810	3011910000		0.0323	0.0250	29.3*	20.0
4,4'-DDE	Ave	2894548445	3663560040		0.0316	0.0250	26.6*	20.0
Dieldrin	Ave	2429335459	3185046240		0.0328	0.0250	31.1*	20.0
Endrin	Ave	2233310440	2771738240		0.0310	0.0250	24.1*	20.0
4,4'-DDD	Ave	1791905190	2339386640		0.0326	0.0250	30.6*	20.0
Endosulfan II	Ave	2120779171	2736200680		0.0323	0.0250	29.0*	20.0
4,4'-DDT	Ave	1420166233	1740584680		0.0306	0.0250	22.6*	20.0
Endrin aldehyde	Ave	1574397867	1911154480		0.0303	0.0250	21.4*	20.0
Methoxychlor	Ave	679722133	860390160		0.0316	0.0250	26.6*	20.0
Endosulfan sulfate	Ave	1727152069	2292034120		0.0332	0.0250	32.7*	20.0
Endrin ketone	Ave	1892819765	2369886000		0.0313	0.0250	25.2*	20.0
Tetrachloro-m-xylene	Ave	2415797538	2793206640		0.0289	0.0250	15.6	20.0
DCB Decachlorobiphenyl	Ave	2061793819	2432835160		0.0295	0.0250	18.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/53 Calibration Date: 11/29/2012 01:41

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112753.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.22	4.19	4.25
gamma-BHC (Lindane)	4.61	4.58	4.64
beta-BHC	4.74	4.71	4.77
delta-BHC	4.96	4.93	4.99
Heptachlor	5.24	5.21	5.28
Aldrin	5.70	5.67	5.73
Heptachlor epoxide	6.96	6.93	6.99
gamma-Chlordane	7.27	7.24	7.30
alpha-Chlordane	7.62	7.59	7.65
Endosulfan I	7.90	7.87	7.93
4,4'-DDE	8.00	7.97	8.03
Dieldrin	8.45	8.42	8.48
Endrin	8.91	8.88	8.94
4,4'-DDD	9.26	9.23	9.29
Endosulfan II	9.35	9.32	9.38
4,4'-DDT	9.78	9.75	9.81
Endrin aldehyde	10.14	10.11	10.17
Methoxychlor	10.72	10.69	10.75
Endosulfan sulfate	10.86	10.83	10.89
Endrin ketone	11.26	11.23	11.29
Tetrachloro-m-xylene	3.54	3.51	3.57
DCB Decachlorobiphenyl	12.86	12.83	12.89

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112753.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 29-Nov-2012 01:41:19 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-053
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 53
Lims Batch ID: 66500 Lims Sample ID: 53
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:59 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.540	0.000	69830166	0.0289			
2	100	4.141	4.141	0.000	197193810	0.0277			
						RPD = 4.10			
5 alpha-BHC									
1	100	4.224	4.224	0.000	108166868	0.0341			
2	100	4.978	4.978	0.000	321183782	0.0323			
						RPD = 5.49			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	88853629	0.0330			
2	100	5.547	5.547	0.000	257075898	0.0310			
						RPD = 6.12			
7 beta-BHC									
1	100	4.737	4.737	0.000	39443881	0.0331			
2	100	5.727	5.727	0.000	114141083	0.0317			
						RPD = 4.42			
11 delta-BHC									
1	100	4.956	4.956	0.000	89585995	0.0345			
2	100	6.292	6.292	0.000	260598953	0.0329			
						RPD = 4.77			
22 Heptachlor									
1	100	5.242	5.242	0.000	73841074	0.0303			
2	100	6.393	6.393	0.000	206156128	0.0289			
						RPD = 4.83			
4 Aldrin									
1	100	5.703	5.703	0.000	98235086	0.0331			
2	100	7.130	7.130	0.000	260600139	0.0317			
						RPD = 4.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.960	6.960	0.000	81007860	0.0329			
2	100	8.605	8.605	0.000	214449392	0.0314			
						RPD = 4.57			
21 gamma-Chlordane									
1	100	7.274	7.274	0.000	86694097	0.0328			
2	100	9.026	9.026	0.000	217450634	0.0312			
						RPD = 5.02			
6 alpha-Chlordane									
1	100	7.624	7.624	0.000	88523989	0.0326			
2	100	9.334	9.334	0.000	215409521	0.0306			
						RPD = 6.38			
14 Endosulfan I									
1	100	7.897	7.897	0.000	75297750	0.0323			
2	100	9.395	9.395	0.000	177780800	0.0309			
						RPD = 4.63			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	91589001	0.0316			
2	100	9.786	9.786	0.000	212797699	0.0295			
						RPD = 6.92			
13 Dieldrin									
1	100	8.453	8.453	0.000	79626156	0.0328			
2	100	9.926	9.926	0.000	195654966	0.0310			
						RPD = 5.67			
17 Endrin									
1	100	8.908	8.908	0.000	69293456	0.0310			
2	100	10.444	10.444	0.000	171258051	0.0294			
						RPD = 5.28			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	58484666	0.0326			
2	100	10.810	10.810	0.000	300953761	0.0307			
						RPD = 6.19			
15 Endosulfan II									
1	100	9.352	9.352	0.000	68405017	0.0323			
2	100	10.810	10.810	0.000	300953761	0.0307			
						RPD = 5.01			
3 4,4'-DDT									
1	100	9.779	9.779	0.000	43514617	0.0306			
2	100	11.292	11.292	0.000	98659271	0.0296			
						RPD = 3.35			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	47778862	0.0303			
2	100	11.382	11.382	0.000	111089949	0.0290			
						RPD = 4.41			
27 Methoxychlor									
1	100	10.723	10.723	0.000	21509754	0.0316			
2	100	12.365	12.365	0.000	47589433	0.0286			
						RPD = 10.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	57300853	0.0332			
2	100	11.814	11.814	0.000	134469247	0.0312			
						RPD = 6.24			
19 Endrin ketone									
1	100	11.260	11.260	0.000	59247150	0.0313			
2	100	12.552	12.552	0.000	129638391	0.0296			
						RPD = 5.69			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	60820879	0.0295			
2	100	14.323	14.323	0.000	132484924	0.0280			
						RPD = 5.22			

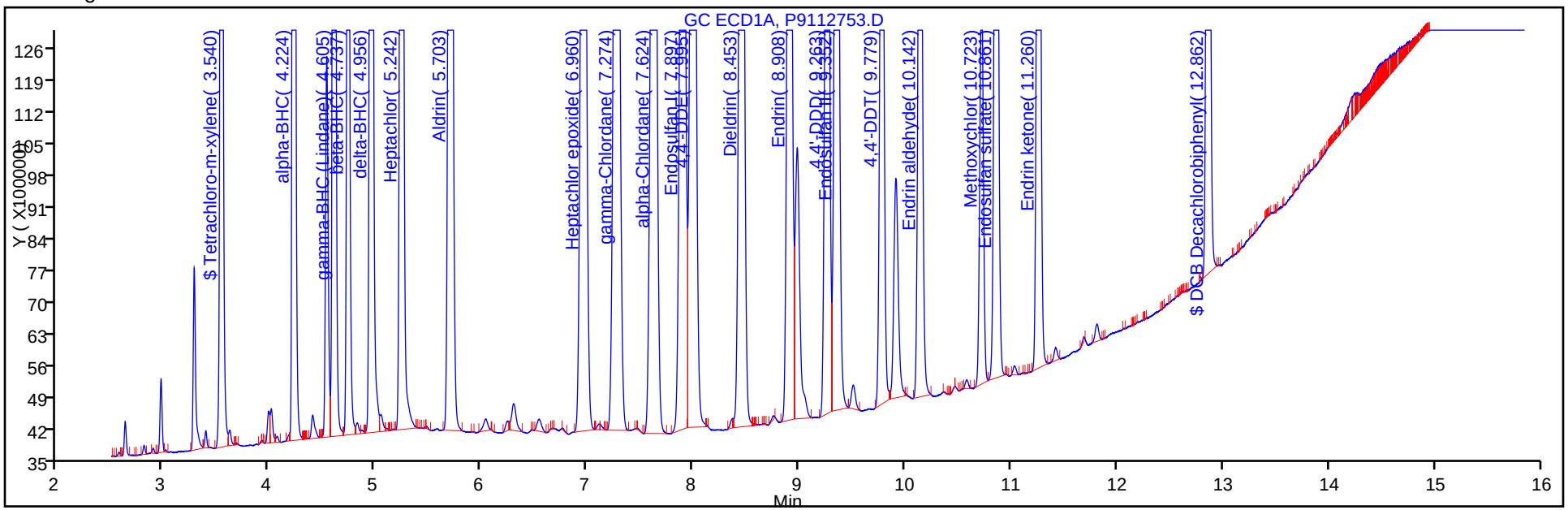
Report Date: 29-Nov-2012 11:21:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

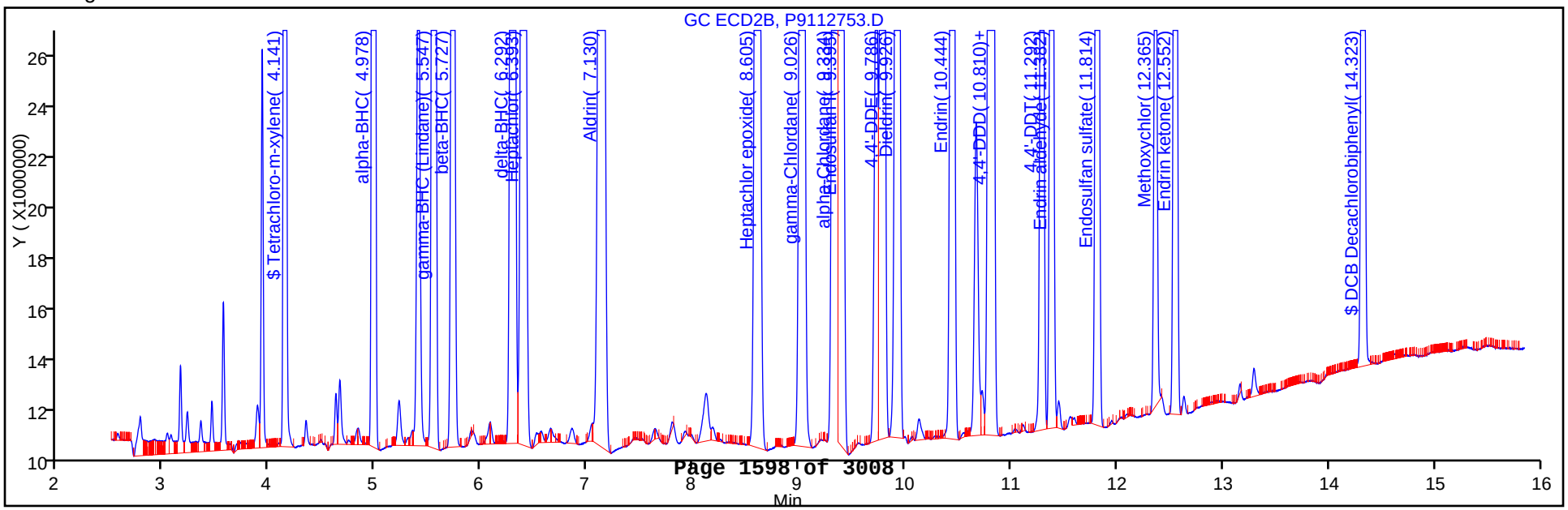
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112753.D

Injection Date:	29-Nov-2012 01:41:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	53
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/53 Calibration Date: 11/29/2012 01:41

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112753.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	9940089371	12847351280		0.0323	0.0250	29.2*	20.0
gamma-BHC (Lindane)	Ave	8293601368	10283035920		0.0310	0.0250	24.0*	20.0
beta-BHC	Ave	3605562217	4565643320		0.0317	0.0250	26.6*	20.0
delta-BHC	Ave	7912733268	10423958120		0.0329	0.0250	31.7*	20.0
Heptachlor	Ave	7140697065	8246245120		0.0289	0.0250	15.5	20.0
Aldrin	Ave	8215129958	10424005560		0.0317	0.0250	26.9*	20.0
Heptachlor epoxide	Ave	6831839093	8577975680		0.0314	0.0250	25.6*	20.0
gamma-Chlordane	Ave	6968754018	8698025360		0.0312	0.0250	24.8*	20.0
alpha-Chlordane	Ave	7037942515	8616380840		0.0306	0.0250	22.4*	20.0
Endosulfan I	Ave	5759774207	7111232000		0.0309	0.0250	23.5*	20.0
4,4'-DDE	Ave	7207034711	8511907960		0.0295	0.0250	18.1	20.0
Dieldrin	Ave	6317654321	7826198640		0.0310	0.0250	23.9*	20.0
Endrin	Ave	5818678867	6850322040		0.0294	0.0250	17.7	20.0
4,4'-DDD	Ave	9809607119	12038150440		0.0307	0.0250	22.7*	20.0
Endosulfan II	Ave	9809607119	12038150440		0.0307	0.0250	22.7*	20.0
4,4'-DDT	Ave	3329664076	3946370840		0.0296	0.0250	18.5	20.0
Endrin aldehyde	Ave	3825777334	4443597960		0.0290	0.0250	16.1	20.0
Endosulfan sulfate	Ave	4314206102	5378769880		0.0312	0.0250	24.7*	20.0
Methoxychlor	Ave	1662173652	1903577320		0.0286	0.0250	14.5	20.0
Endrin ketone	Ave	4384149523	5185535640		0.0296	0.0250	18.3	20.0
Tetrachloro-m-xylene	Ave	7107894572	7887752400		0.0277	0.0250	11.0	20.0
DCB Decachlorobiphenyl	Ave	4732054895	5299396960		0.0280	0.0250	12.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66500/53 Calibration Date: 11/29/2012 01:41

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112753.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.98	4.95	5.01
gamma-BHC (Lindane)	5.55	5.52	5.58
beta-BHC	5.73	5.70	5.76
delta-BHC	6.29	6.26	6.32
Heptachlor	6.39	6.36	6.43
Aldrin	7.13	7.10	7.16
Heptachlor epoxide	8.61	8.58	8.64
gamma-Chlordane	9.03	9.00	9.06
alpha-Chlordane	9.33	9.30	9.36
Endosulfan I	9.40	9.37	9.43
4,4'-DDE	9.79	9.76	9.82
Dieldrin	9.93	9.90	9.96
Endrin	10.44	10.41	10.47
4,4'-DDD	10.81	10.78	10.84
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.29	11.26	11.32
Endrin aldehyde	11.38	11.35	11.41
Endosulfan sulfate	11.81	11.78	11.84
Methoxychlor	12.37	12.34	12.40
Endrin ketone	12.55	12.52	12.58
Tetrachloro-m-xylene	4.14	4.11	4.17
DCB Decachlorobiphenyl	14.32	14.29	14.35

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112753.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 29-Nov-2012 01:41:19 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-053
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 53
Lims Batch ID: 66500 Lims Sample ID: 53
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:59 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.540	0.000	69830166	0.0289			
2	100	4.141	4.141	0.000	197193810	0.0277			
						RPD = 4.10			
5 alpha-BHC									
1	100	4.224	4.224	0.000	108166868	0.0341			
2	100	4.978	4.978	0.000	321183782	0.0323			
						RPD = 5.49			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	88853629	0.0330			
2	100	5.547	5.547	0.000	257075898	0.0310			
						RPD = 6.12			
7 beta-BHC									
1	100	4.737	4.737	0.000	39443881	0.0331			
2	100	5.727	5.727	0.000	114141083	0.0317			
						RPD = 4.42			
11 delta-BHC									
1	100	4.956	4.956	0.000	89585995	0.0345			
2	100	6.292	6.292	0.000	260598953	0.0329			
						RPD = 4.77			
22 Heptachlor									
1	100	5.242	5.242	0.000	73841074	0.0303			
2	100	6.393	6.393	0.000	206156128	0.0289			
						RPD = 4.83			
4 Aldrin									
1	100	5.703	5.703	0.000	98235086	0.0331			
2	100	7.130	7.130	0.000	260600139	0.0317			
						RPD = 4.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.960	6.960	0.000	81007860	0.0329			
2	100	8.605	8.605	0.000	214449392	0.0314			
						RPD = 4.57			
21 gamma-Chlordane									
1	100	7.274	7.274	0.000	86694097	0.0328			
2	100	9.026	9.026	0.000	217450634	0.0312			
						RPD = 5.02			
6 alpha-Chlordane									
1	100	7.624	7.624	0.000	88523989	0.0326			
2	100	9.334	9.334	0.000	215409521	0.0306			
						RPD = 6.38			
14 Endosulfan I									
1	100	7.897	7.897	0.000	75297750	0.0323			
2	100	9.395	9.395	0.000	177780800	0.0309			
						RPD = 4.63			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	91589001	0.0316			
2	100	9.786	9.786	0.000	212797699	0.0295			
						RPD = 6.92			
13 Dieldrin									
1	100	8.453	8.453	0.000	79626156	0.0328			
2	100	9.926	9.926	0.000	195654966	0.0310			
						RPD = 5.67			
17 Endrin									
1	100	8.908	8.908	0.000	69293456	0.0310			
2	100	10.444	10.444	0.000	171258051	0.0294			
						RPD = 5.28			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	58484666	0.0326			
2	100	10.810	10.810	0.000	300953761	0.0307			
						RPD = 6.19			
15 Endosulfan II									
1	100	9.352	9.352	0.000	68405017	0.0323			
2	100	10.810	10.810	0.000	300953761	0.0307			
						RPD = 5.01			
3 4,4'-DDT									
1	100	9.779	9.779	0.000	43514617	0.0306			
2	100	11.292	11.292	0.000	98659271	0.0296			
						RPD = 3.35			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	47778862	0.0303			
2	100	11.382	11.382	0.000	111089949	0.0290			
						RPD = 4.41			
27 Methoxychlor									
1	100	10.723	10.723	0.000	21509754	0.0316			
2	100	12.365	12.365	0.000	47589433	0.0286			
						RPD = 10.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	57300853	0.0332			
2	100	11.814	11.814	0.000	134469247	0.0312			
						RPD = 6.24			
19 Endrin ketone									
1	100	11.260	11.260	0.000	59247150	0.0313			
2	100	12.552	12.552	0.000	129638391	0.0296			
						RPD = 5.69			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	60820879	0.0295			
2	100	14.323	14.323	0.000	132484924	0.0280			
						RPD = 5.22			

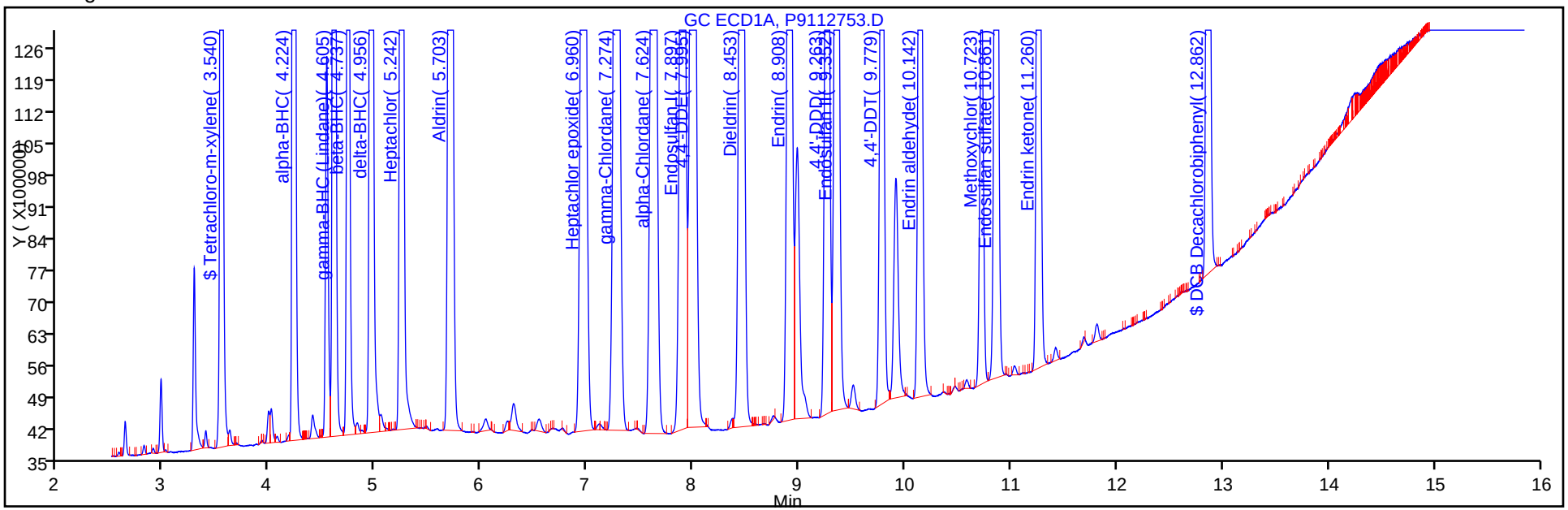
Report Date: 29-Nov-2012 11:22:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

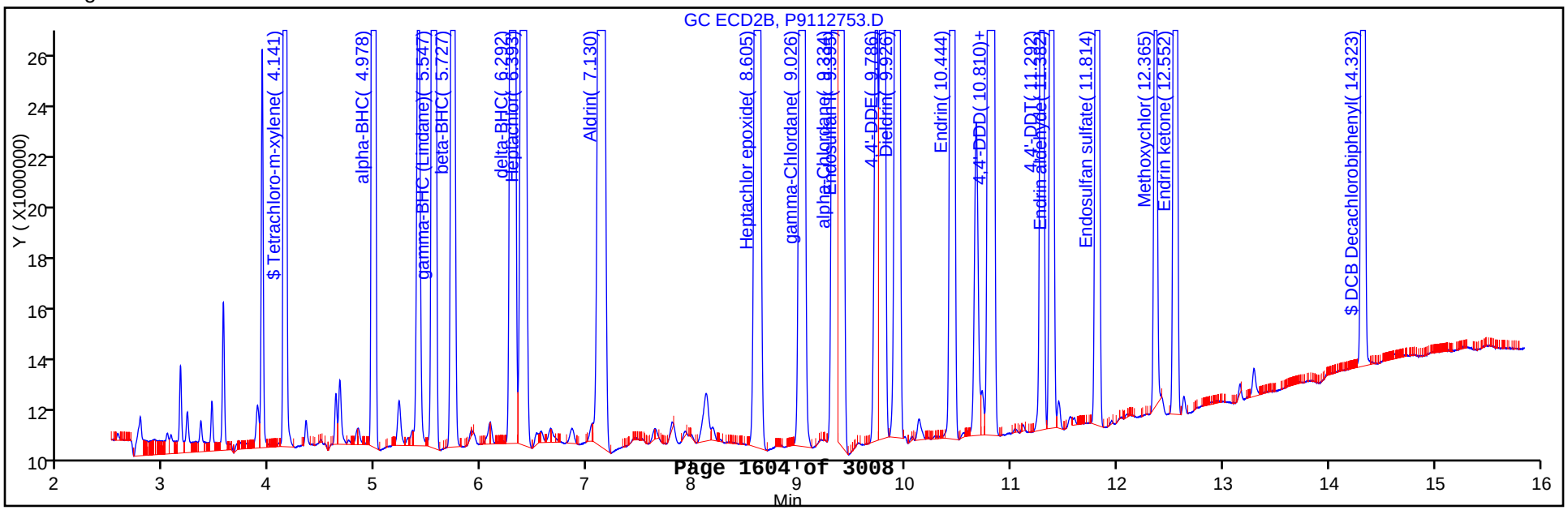
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112753.D

Injection Date:	29-Nov-2012 01:41:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	53
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/5 Calibration Date: 11/29/2012 16:40

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112905.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	82355349	85490892		1.04	1.00	3.8	
Toxaphene Peak 2	Ave	80598016	83477493		1.04	1.00	3.6	
Toxaphene Peak 3	Ave	60115062	61624326		1.03	1.00	2.5	
Toxaphene Peak 4	Ave	79190156	80700681		1.02	1.00	1.9	
Toxaphene Peak 5	Ave	47091318	48275385		1.03	1.00	2.5	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/5 Calibration Date: 11/29/2012 16:40

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112905.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.48	9.45	9.51
Toxaphene Peak 2	10.02	9.99	10.05
Toxaphene Peak 3	10.09	10.06	10.12
Toxaphene Peak 4	10.67	10.64	10.70
Toxaphene Peak 5	11.23	11.20	11.26

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112905.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 29-Nov-2012 16:40:04 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015403-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 66829 Lims Sample ID: 5
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:05 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:13:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	85490892	1.04		100.0	M
1	2	10.024	10.024	0.000	83477493	1.04	75.2- 115.2	97.6	M
1	3	10.090	10.090	0.000	61624326	1.03	54.7- 94.7	72.1	M
1	4	10.671	10.671	0.000	80700681	1.02	75.4- 115.4	94.4	M
1	5	11.234	11.234	0.000	48275385	1.03	37.4- 77.4	56.5	M
			Average of Peak Amounts =			1.03			
2	100	10.382	10.382	0.000	195377999	1.01		100.0	M
2	2	11.398	11.398	0.000	248316041	0.9867	108.0- 148.0	127.1	M
2	3	11.746	11.746	0.000	97603207	1.03	28.1- 68.1	50.0	M
2	4	12.149	12.149	0.000	178606213	0.9727	72.6- 112.6	91.4	M
2	5	12.534	12.534	0.000	55943360	0.9237	9.6- 49.6	28.6	M
			Average of Peak Amounts =			0.9856			
						RPD = 4.27			

QC Flag Legend

Review Flags
M - Manually Integrated

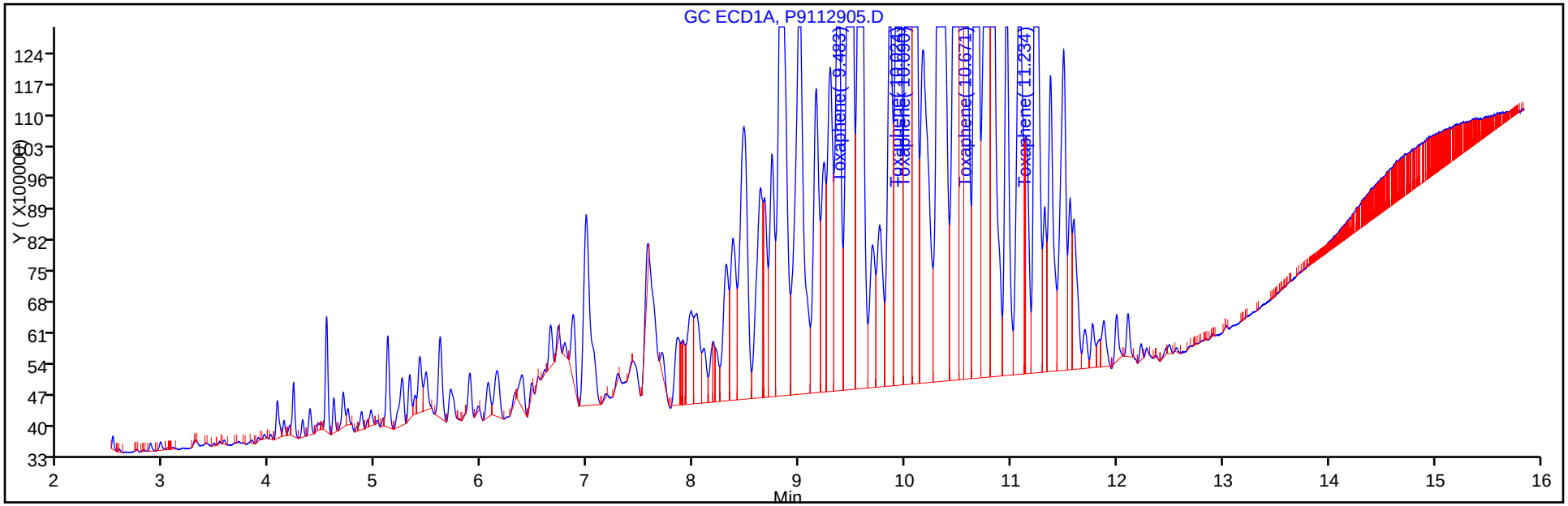
Report Date: 30-Nov-2012 12:11:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

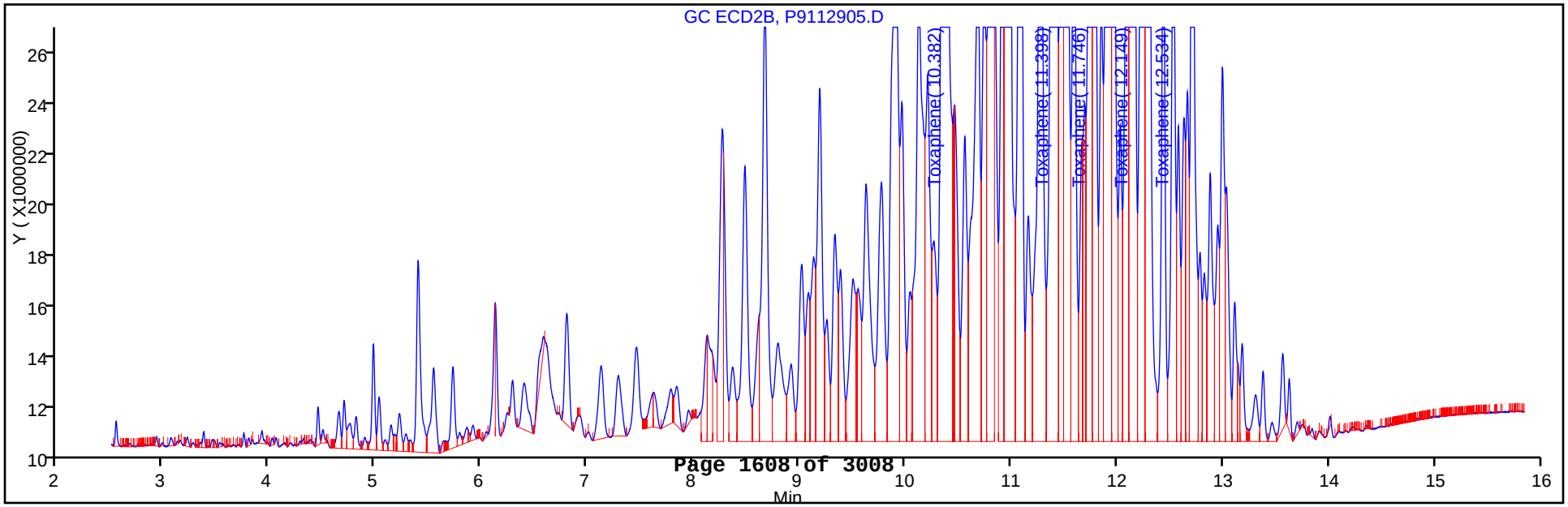
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112905.D

Injection Date:	29-Nov-2012 16:40:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



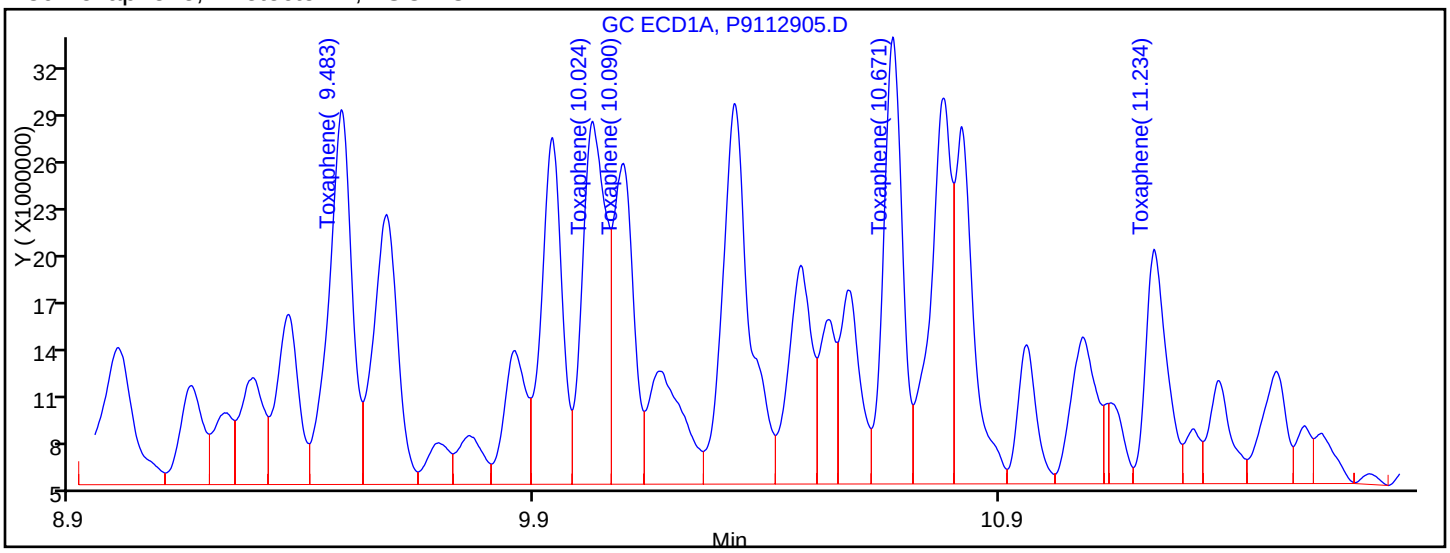
Report Date: 30-Nov-2012 12:11:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112905.D

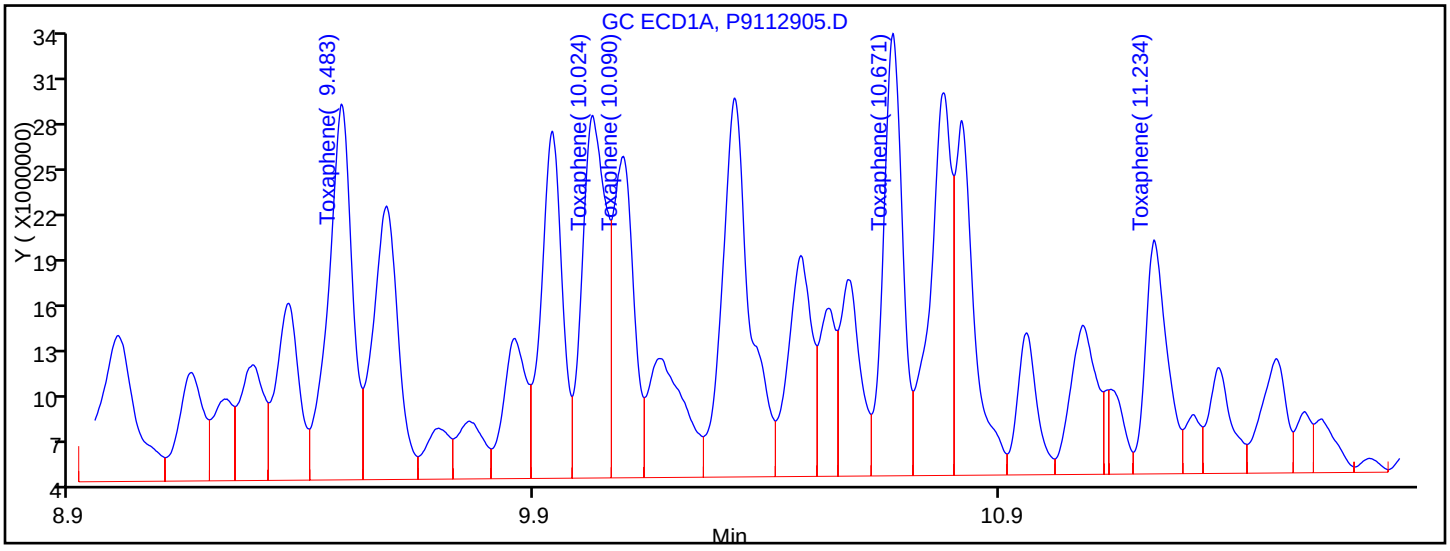
Injection Date:	29-Nov-2012 16:40:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.483	Response = 80602504	M
RT = 10.024	Response = 80428162	M
RT = 10.090	Response = 59120671	M
RT = 10.671	Response = 78104258	M
RT = 11.234	Response = 45894668	M



Manual Integration Results

RT = 9.483	Response = 85490892	M
RT = 10.024	Response = 83477493	M
RT = 10.090	Response = 61624326	M
RT = 10.671	Response = 80700681	M
RT = 11.234	Response = 48275385	M

Reviewer: vandorenc, 30-Nov-2012 11:13:01

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/5 Calibration Date: 11/29/2012 16:40

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112905.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	193329374	195377999		1.01	1.00	1.1	
Toxaphene Peak 2	Ave	251674328	248316041		0.987	1.00	-1.3	
Toxaphene Peak 3	Ave	94342583	97603207		1.03	1.00	3.5	
Toxaphene Peak 4	Ave	183622795	178606213		0.973	1.00	-2.7	
Toxaphene Peak 5	Ave	60562274	55943360		0.924	1.00	-7.6	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/5 Calibration Date: 11/29/2012 16:40

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112905.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.38	10.35	10.41
Toxaphene Peak 2	11.40	11.37	11.43
Toxaphene Peak 3	11.75	11.72	11.78
Toxaphene Peak 4	12.15	12.12	12.18
Toxaphene Peak 5	12.53	12.50	12.56

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112905.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 29-Nov-2012 16:40:04 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015403-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 66829 Lims Sample ID: 5
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:05 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:13:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	85490892	1.04		100.0	M
1	2	10.024	10.024	0.000	83477493	1.04	75.2- 115.2	97.6	M
1	3	10.090	10.090	0.000	61624326	1.03	54.7- 94.7	72.1	M
1	4	10.671	10.671	0.000	80700681	1.02	75.4- 115.4	94.4	M
1	5	11.234	11.234	0.000	48275385	1.03	37.4- 77.4	56.5	M
			Average of Peak Amounts =			1.03			
2	100	10.382	10.382	0.000	195377999	1.01		100.0	M
2	2	11.398	11.398	0.000	248316041	0.9867	108.0- 148.0	127.1	M
2	3	11.746	11.746	0.000	97603207	1.03	28.1- 68.1	50.0	M
2	4	12.149	12.149	0.000	178606213	0.9727	72.6- 112.6	91.4	M
2	5	12.534	12.534	0.000	55943360	0.9237	9.6- 49.6	28.6	M
			Average of Peak Amounts =			0.9856			
						RPD = 4.27			

QC Flag Legend

Review Flags
M - Manually Integrated

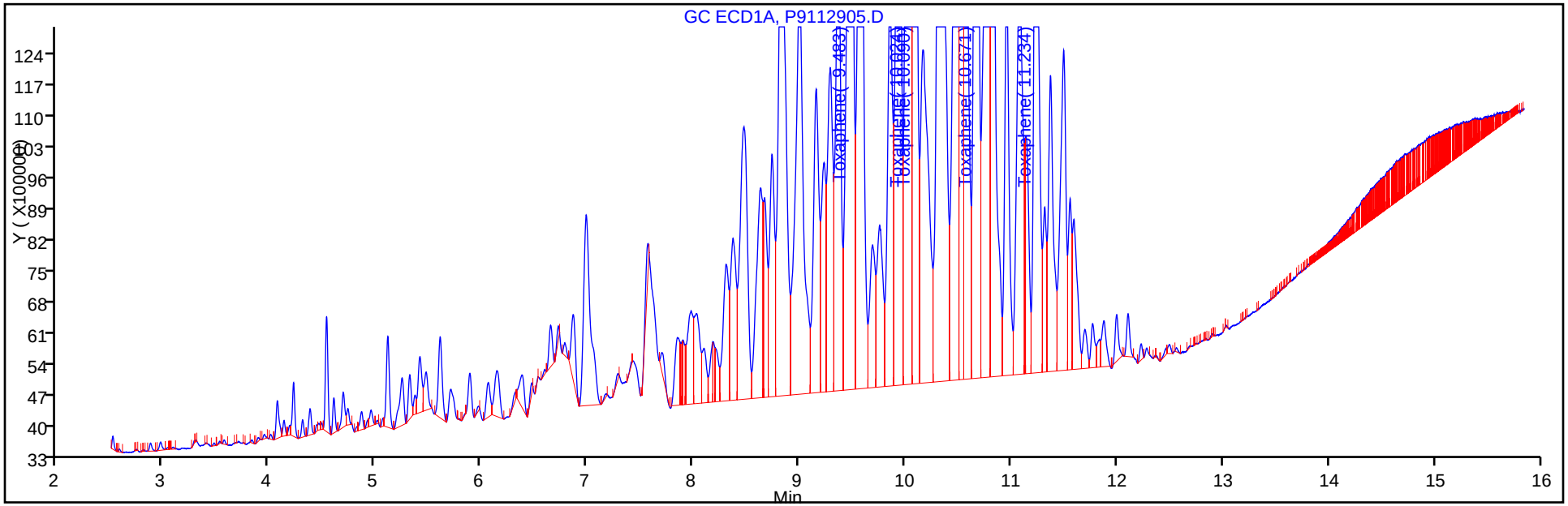
Report Date: 30-Nov-2012 12:11:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

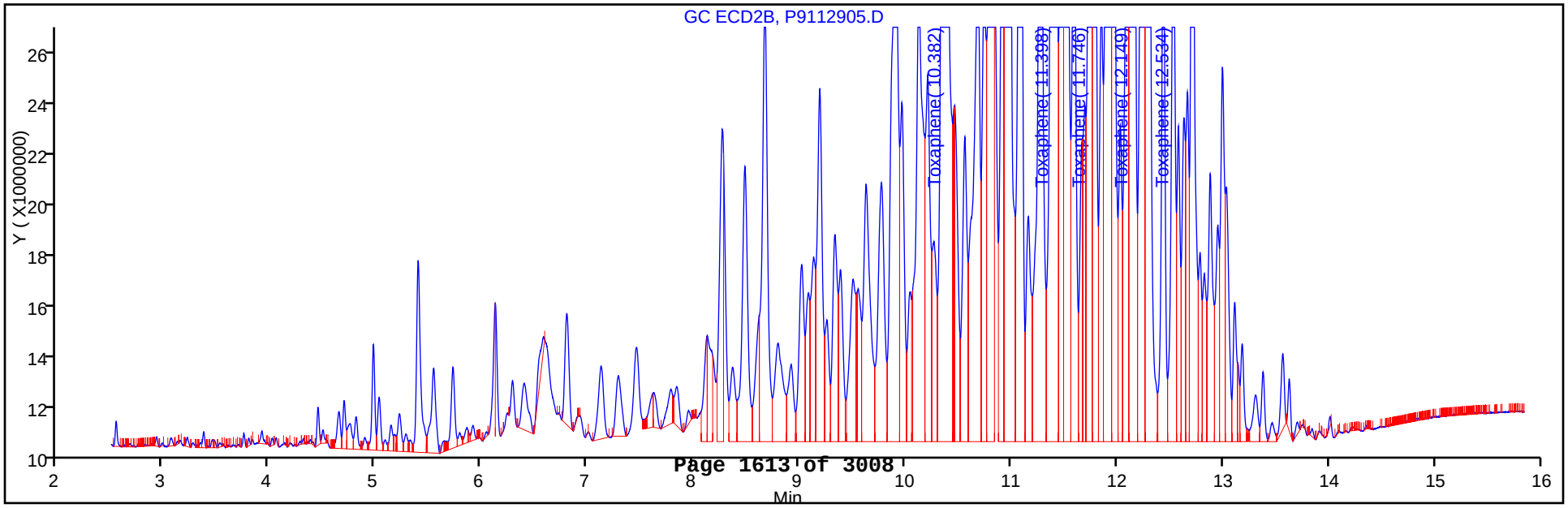
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112905.D

Injection Date:	29-Nov-2012 16:40:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



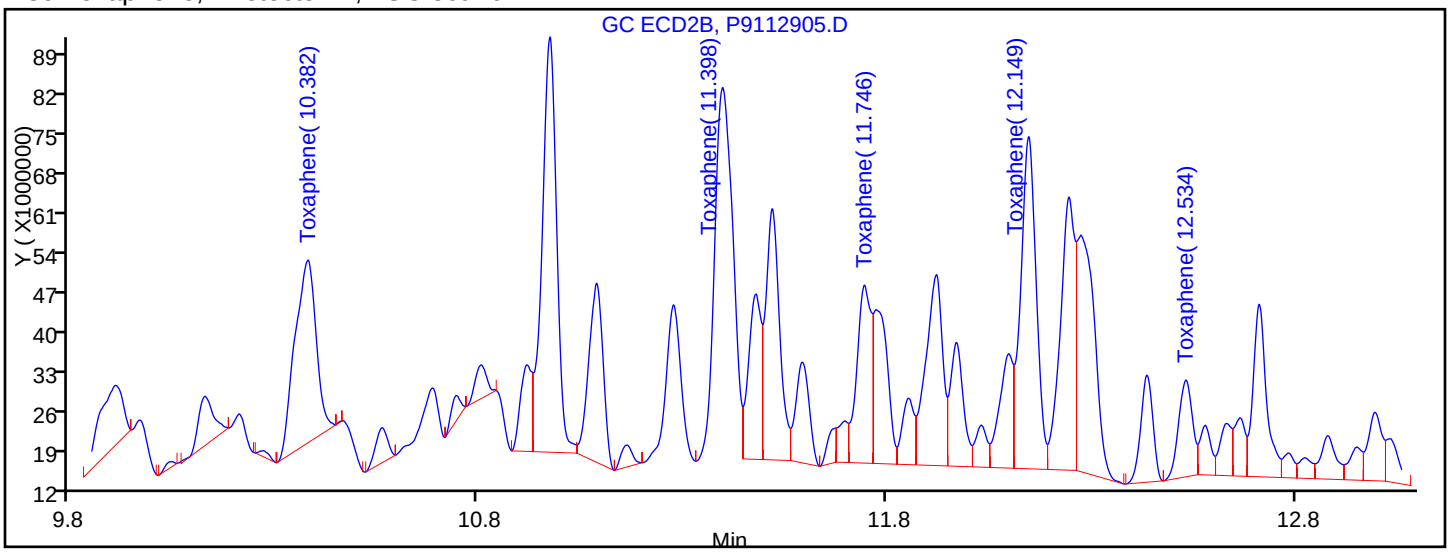
Report Date: 30-Nov-2012 12:11:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112905.D

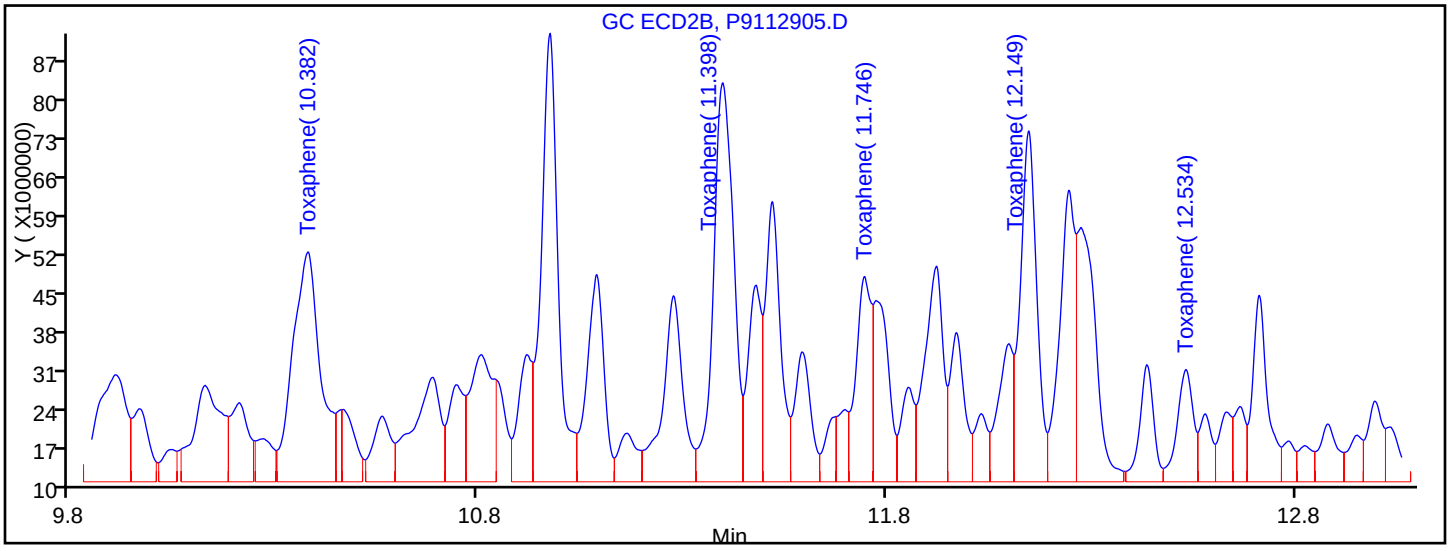
Injection Date:	29-Nov-2012 16:40:04	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.382	Response = 117744603	M
RT = 11.398	Response = 205834416	M
RT = 11.746	Response = 77476725	M
RT = 12.149	Response = 156075610	M
RT = 12.534	Response = 40891426	M



Manual Integration Results

RT = 10.382	Response = 195377999	M
RT = 11.398	Response = 248316041	M
RT = 11.746	Response = 97603207	M
RT = 12.149	Response = 178606213	M
RT = 12.534	Response = 55943360	M

Reviewer: vandorenc, 30-Nov-2012 11:13:01

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/7 Calibration Date: 11/29/2012 17:35

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112907.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3168667215	3342639280		0.0264	0.0250	5.5	
gamma-BHC (Lindane)	Ave	2696239648	2823502920		0.0262	0.0250	4.7	
beta-BHC	Ave	1192117427	1257457880		0.0264	0.0250	5.5	
delta-BHC	Ave	2593377382	2590688120		0.0250	0.0250	-0.1	
Heptachlor	Ave	2436929739	2586182920		0.0265	0.0250	6.1	
Aldrin	Ave	2967053625	3131875400		0.0264	0.0250	5.6	
Heptachlor epoxide	Ave	2465306798	2579609400		0.0262	0.0250	4.6	
gamma-Chlordane	Ave	2642311293	2715237440		0.0257	0.0250	2.8	
alpha-Chlordane	Ave	2713419924	2813468880		0.0259	0.0250	3.7	
Endosulfan I	Ave	2329014810	2401957120		0.0258	0.0250	3.1	
4,4'-DDE	Ave	2894548445	3031895640		0.0262	0.0250	4.7	
Dieldrin	Ave	2429335459	2548941040		0.0262	0.0250	4.9	
Endrin	Ave	2233310440	2335347840		0.0261	0.0250	4.6	
4,4'-DDD	Ave	1791905190	1843081040		0.0257	0.0250	2.9	
Endosulfan II	Ave	2120779171	2283211840		0.0269	0.0250	7.7	
4,4'-DDT	Ave	1420166233	1468232240		0.0258	0.0250	3.4	
Endrin aldehyde	Ave	1574397867	1662695960		0.0264	0.0250	5.6	
Methoxychlor	Ave	679722133	734462480		0.0270	0.0250	8.1	
Endosulfan sulfate	Ave	1727152069	1748505120		0.0253	0.0250	1.2	
Endrin ketone	Ave	1892819765	2084007520		0.0275	0.0250	10.1	
Tetrachloro-m-xylene	Ave	2415797538	2557551480		0.0265	0.0250	5.9	
DCB Decachlorobiphenyl	Ave	2061793819	2201822320		0.0267	0.0250	6.8	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/7 Calibration Date: 11/29/2012 17:35

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112907.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.22	4.19	4.25
gamma-BHC (Lindane)	4.61	4.58	4.64
beta-BHC	4.74	4.71	4.77
delta-BHC	4.96	4.93	4.99
Heptachlor	5.24	5.21	5.28
Aldrin	5.70	5.67	5.73
Heptachlor epoxide	6.96	6.93	6.99
gamma-Chlordane	7.27	7.24	7.30
alpha-Chlordane	7.62	7.59	7.65
Endosulfan I	7.90	7.87	7.93
4,4'-DDE	8.00	7.97	8.03
Dieldrin	8.46	8.43	8.49
Endrin	8.91	8.88	8.94
4,4'-DDD	9.27	9.24	9.30
Endosulfan II	9.35	9.32	9.38
4,4'-DDT	9.78	9.75	9.81
Endrin aldehyde	10.14	10.11	10.17
Methoxychlor	10.72	10.69	10.75
Endosulfan sulfate	10.86	10.83	10.89
Endrin ketone	11.26	11.23	11.29
Tetrachloro-m-xylene	3.54	3.51	3.57
DCB Decachlorobiphenyl	12.86	12.83	12.89

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112907.D
Lims ID: CCV AB L3 Client ID:
Inject. Date: 29-Nov-2012 17:35:19 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0015403-007
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 66829 Lims Sample ID: 7
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.540	0.000	63938787	0.0265			
2	100	4.140	4.140	0.000	182708546	0.0257			
						RPD = 2.92			
5 alpha-BHC									
1	100	4.224	4.224	0.000	83565982	0.0264			
2	100	4.977	4.977	0.000	247868107	0.0249			
						RPD = 5.60			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	70587573	0.0262			
2	100	5.546	5.546	0.000	205165284	0.0247			
						RPD = 5.66			
7 beta-BHC									
1	100	4.738	4.738	0.000	31436447	0.0264			
2	100	5.726	5.726	0.000	91817457	0.0255			
						RPD = 3.49			
11 delta-BHC									
1	100	4.956	4.956	0.000	64767203	0.0250			
2	100	6.290	6.290	0.000	183130792	0.0231			
						RPD = 7.61			
22 Heptachlor									
1	100	5.242	5.242	0.000	64654573	0.0265			
2	100	6.391	6.391	0.000	180603643	0.0253			
						RPD = 4.78			
4 Aldrin									
1	100	5.703	5.703	0.000	78296885	0.0264			
2	100	7.127	7.127	0.000	209725090	0.0255			
						RPD = 3.31			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.960	6.960	0.000	64490235	0.0262			
2	100	8.601	8.601	0.000	173682005	0.0254			
						RPD = 2.86			
21 gamma-Chlordane									
1	100	7.273	7.273	0.000	67880936	0.0257			
2	100	9.024	9.024	0.000	177484912	0.0255			
						RPD = 0.87			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	70336722	0.0259			
2	100	9.331	9.331	0.000	177301752	0.0252			
						RPD = 2.85			
14 Endosulfan I									
1	100	7.895	7.895	0.000	60048928	0.0258			
2	100	9.392	9.392	0.000	144280346	0.0250			
						RPD = 2.89			
2 4,4'-DDE									
1	100	7.996	7.996	0.000	75797391	0.0262			
2	100	9.785	9.785	0.000	179768565	0.0249			
						RPD = 4.86			
13 Dieldrin									
1	100	8.455	8.455	0.000	63723526	0.0262			
2	100	9.924	9.924	0.000	159379238	0.0252			
						RPD = 3.90			
17 Endrin									
1	100	8.908	8.908	0.000	58383696	0.0261			
2	100	10.444	10.444	0.000	147783437	0.0254			
						RPD = 2.89			
1 4,4'-DDD									
1	100	9.265	9.265	0.000	46077026	0.0257			
2	100	10.809	10.809	0.000	248775126	0.0254			
						RPD = 1.38			
15 Endosulfan II									
1	100	9.354	9.354	0.000	57080296	0.0269			
2	100	10.809	10.809	0.000	248775126	0.0254			
						RPD = 5.95			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	36705806	0.0258			
2	100	11.291	11.291	0.000	83800448	0.0252			
						RPD = 2.66			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	41567399	0.0264			
2	100	11.382	11.382	0.000	99352557	0.0260			
						RPD = 1.65			
27 Methoxychlor									
1	100	10.723	10.723	0.000	18361562	0.0270			
2	100	12.365	12.365	0.000	45642096	0.0275			
						RPD = 1.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	43712628	0.0253			
2	100	11.813	11.813	0.000	105176046	0.0244			
						RPD = 3.74			
19 Endrin ketone									
1	100	11.260	11.260	0.000	52100188	0.0275			
2	100	12.551	12.551	0.000	116674631	0.0266			
						RPD = 3.37			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	55045558	0.0267			
2	100	14.324	14.324	0.000	120900253	0.0255			
						RPD = 4.40			

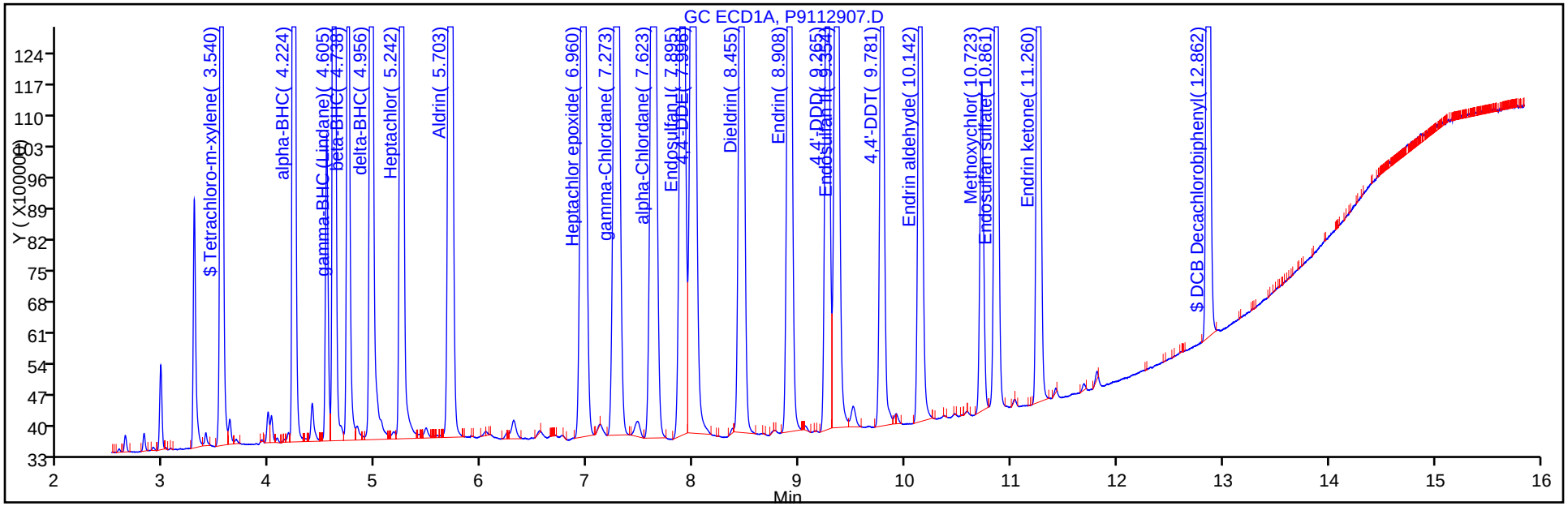
Report Date: 30-Nov-2012 12:11:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

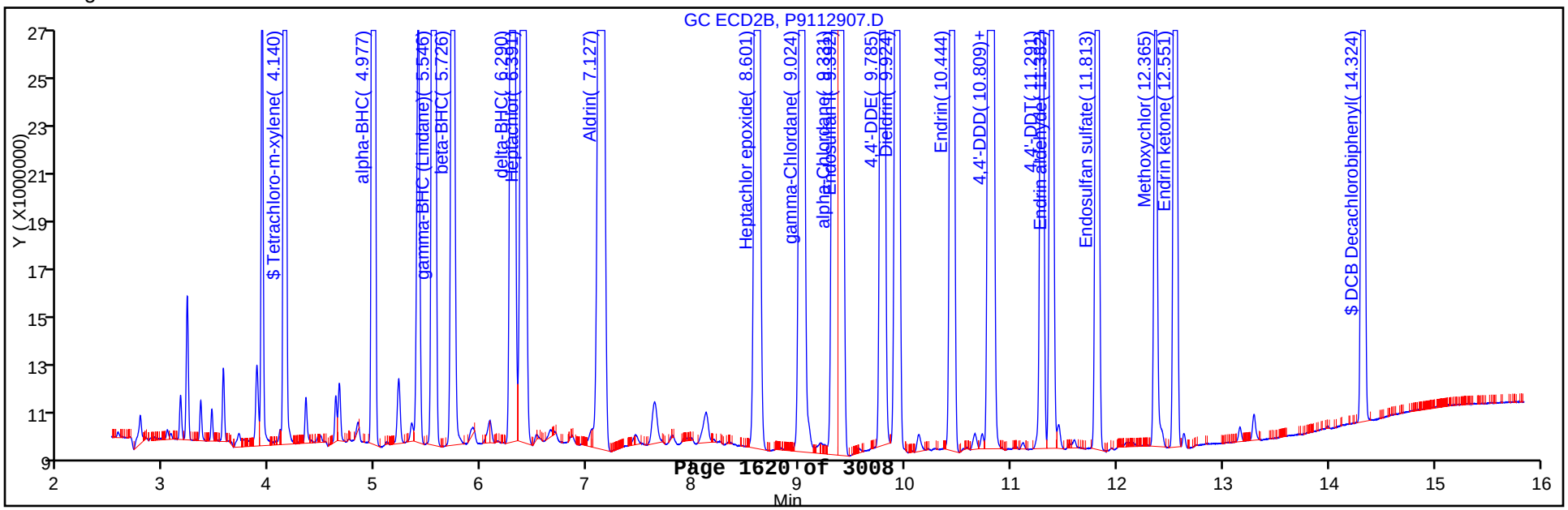
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112907.D

Injection Date:	29-Nov-2012 17:35:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/7 Calibration Date: 11/29/2012 17:35

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112907.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	9940089371	9914724280		0.0249	0.0250	-0.3	
gamma-BHC (Lindane)	Ave	8293601368	8206611360		0.0247	0.0250	-1.0	
beta-BHC	Ave	3605562217	3672698280		0.0255	0.0250	1.9	
delta-BHC	Ave	7912733268	7325231680		0.0231	0.0250	-7.4	
Heptachlor	Ave	7140697065	7224145720		0.0253	0.0250	1.2	
Aldrin	Ave	8215129958	8389003600		0.0255	0.0250	2.1	
Heptachlor epoxide	Ave	6831839093	6947280200		0.0254	0.0250	1.7	
gamma-Chlordane	Ave	6968754018	7099396480		0.0255	0.0250	1.9	
alpha-Chlordane	Ave	7037942515	7092070080		0.0252	0.0250	0.8	
Endosulfan I	Ave	5759774207	5771213840		0.0250	0.0250	0.2	
4,4'-DDE	Ave	7207034711	7190742600		0.0249	0.0250	-0.2	
Dieldrin	Ave	6317654321	6375169520		0.0252	0.0250	0.9	
Endrin	Ave	5818678867	5911337480		0.0254	0.0250	1.6	
4,4'-DDD	Ave	9809607119	9951005040		0.0254	0.0250	1.4	
Endosulfan II	Ave	9809607119	9951005040		0.0254	0.0250	1.4	
4,4'-DDT	Ave	3329664076	3352017920		0.0252	0.0250	0.7	
Endrin aldehyde	Ave	3825777334	3974102280		0.0260	0.0250	3.9	
Endosulfan sulfate	Ave	4314206102	4207041840		0.0244	0.0250	-2.5	
Methoxychlor	Ave	1662173652	1825683840		0.0275	0.0250	9.8	
Endrin ketone	Ave	4384149523	4666985240		0.0266	0.0250	6.5	
Tetrachloro-m-xylene	Ave	7107894572	7308341840		0.0257	0.0250	2.8	
DCB Decachlorobiphenyl	Ave	4732054895	4836010120		0.0255	0.0250	2.2	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/7 Calibration Date: 11/29/2012 17:35

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112907.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.98	4.95	5.01
gamma-BHC (Lindane)	5.55	5.52	5.58
beta-BHC	5.73	5.70	5.76
delta-BHC	6.29	6.26	6.32
Heptachlor	6.39	6.36	6.43
Aldrin	7.13	7.10	7.16
Heptachlor epoxide	8.60	8.57	8.63
gamma-Chlordane	9.02	8.99	9.05
alpha-Chlordane	9.33	9.30	9.36
Endosulfan I	9.39	9.36	9.42
4,4'-DDE	9.79	9.76	9.82
Dieldrin	9.92	9.89	9.95
Endrin	10.44	10.41	10.47
4,4'-DDD	10.81	10.78	10.84
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.29	11.26	11.32
Endrin aldehyde	11.38	11.35	11.41
Endosulfan sulfate	11.81	11.78	11.84
Methoxychlor	12.37	12.34	12.40
Endrin ketone	12.55	12.52	12.58
Tetrachloro-m-xylene	4.14	4.11	4.17
DCB Decachlorobiphenyl	14.32	14.29	14.35

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112907.D
Lims ID: CCV AB L3 Client ID:
Inject. Date: 29-Nov-2012 17:35:19 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0015403-007
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 66829 Lims Sample ID: 7
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.540	0.000	63938787	0.0265			
2	100	4.140	4.140	0.000	182708546	0.0257			
						RPD = 2.92			
5 alpha-BHC									
1	100	4.224	4.224	0.000	83565982	0.0264			
2	100	4.977	4.977	0.000	247868107	0.0249			
						RPD = 5.60			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	70587573	0.0262			
2	100	5.546	5.546	0.000	205165284	0.0247			
						RPD = 5.66			
7 beta-BHC									
1	100	4.738	4.738	0.000	31436447	0.0264			
2	100	5.726	5.726	0.000	91817457	0.0255			
						RPD = 3.49			
11 delta-BHC									
1	100	4.956	4.956	0.000	64767203	0.0250			
2	100	6.290	6.290	0.000	183130792	0.0231			
						RPD = 7.61			
22 Heptachlor									
1	100	5.242	5.242	0.000	64654573	0.0265			
2	100	6.391	6.391	0.000	180603643	0.0253			
						RPD = 4.78			
4 Aldrin									
1	100	5.703	5.703	0.000	78296885	0.0264			
2	100	7.127	7.127	0.000	209725090	0.0255			
						RPD = 3.31			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.960	6.960	0.000	64490235	0.0262			
2	100	8.601	8.601	0.000	173682005	0.0254			
						RPD = 2.86			
21 gamma-Chlordane									
1	100	7.273	7.273	0.000	67880936	0.0257			
2	100	9.024	9.024	0.000	177484912	0.0255			
						RPD = 0.87			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	70336722	0.0259			
2	100	9.331	9.331	0.000	177301752	0.0252			
						RPD = 2.85			
14 Endosulfan I									
1	100	7.895	7.895	0.000	60048928	0.0258			
2	100	9.392	9.392	0.000	144280346	0.0250			
						RPD = 2.89			
2 4,4'-DDE									
1	100	7.996	7.996	0.000	75797391	0.0262			
2	100	9.785	9.785	0.000	179768565	0.0249			
						RPD = 4.86			
13 Dieldrin									
1	100	8.455	8.455	0.000	63723526	0.0262			
2	100	9.924	9.924	0.000	159379238	0.0252			
						RPD = 3.90			
17 Endrin									
1	100	8.908	8.908	0.000	58383696	0.0261			
2	100	10.444	10.444	0.000	147783437	0.0254			
						RPD = 2.89			
1 4,4'-DDD									
1	100	9.265	9.265	0.000	46077026	0.0257			
2	100	10.809	10.809	0.000	248775126	0.0254			
						RPD = 1.38			
15 Endosulfan II									
1	100	9.354	9.354	0.000	57080296	0.0269			
2	100	10.809	10.809	0.000	248775126	0.0254			
						RPD = 5.95			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	36705806	0.0258			
2	100	11.291	11.291	0.000	83800448	0.0252			
						RPD = 2.66			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	41567399	0.0264			
2	100	11.382	11.382	0.000	99352557	0.0260			
						RPD = 1.65			
27 Methoxychlor									
1	100	10.723	10.723	0.000	18361562	0.0270			
2	100	12.365	12.365	0.000	45642096	0.0275			
						RPD = 1.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	43712628	0.0253			
2	100	11.813	11.813	0.000	105176046	0.0244			
						RPD = 3.74			
19 Endrin ketone									
1	100	11.260	11.260	0.000	52100188	0.0275			
2	100	12.551	12.551	0.000	116674631	0.0266			
						RPD = 3.37			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	55045558	0.0267			
2	100	14.324	14.324	0.000	120900253	0.0255			
						RPD = 4.40			

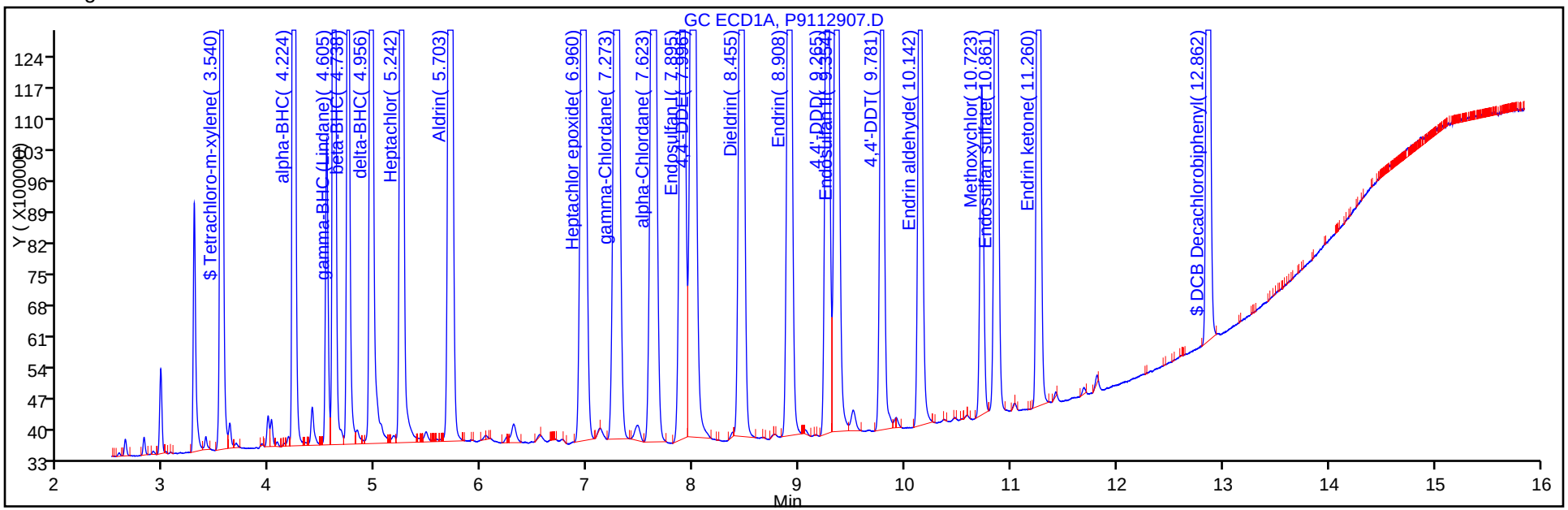
Report Date: 30-Nov-2012 12:11:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

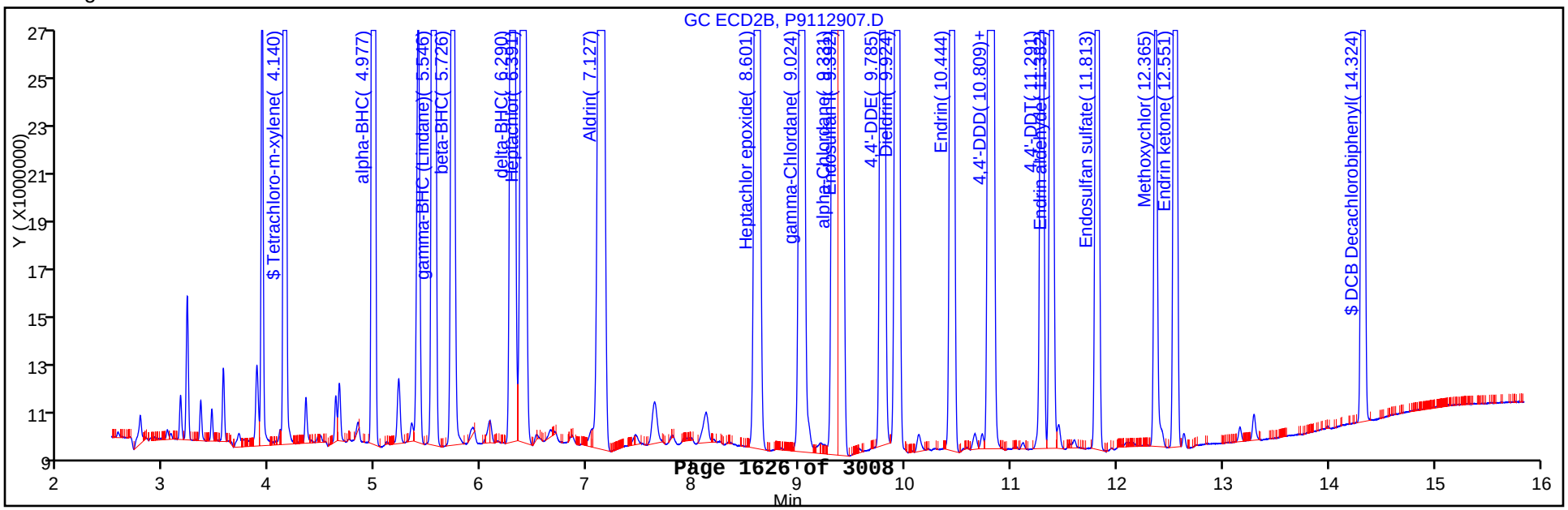
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112907.D

Injection Date:	29-Nov-2012 17:35:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/17 Calibration Date: 11/29/2012 22:04

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112917.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3168667215	3899766840		0.0308	0.0250	23.1	
gamma-BHC (Lindane)	Ave	2696239648	2988823320		0.0277	0.0250	10.9	
beta-BHC	Ave	1192117427	1447607520		0.0304	0.0250	21.4	
delta-BHC	Ave	2593377382	3197164840		0.0308	0.0250	23.3	
Heptachlor	Ave	2436929739	2731710440		0.0280	0.0250	12.1	
Aldrin	Ave	2967053625	3595968360		0.0303	0.0250	21.2	
Heptachlor epoxide	Ave	2465306798	3141007880		0.0319	0.0250	27.4	
gamma-Chlordane	Ave	2642311293	3150694640		0.0298	0.0250	19.2	
alpha-Chlordane	Ave	2713419924	3279332400		0.0302	0.0250	20.9	
Endosulfan I	Ave	2329014810	2947131280		0.0316	0.0250	26.5	
4,4'-DDE	Ave	2894548445	3354566640		0.0290	0.0250	15.9	
Dieldrin	Ave	2429335459	3055221280		0.0314	0.0250	25.8	
Endrin	Ave	2233310440	2773506440		0.0310	0.0250	24.2	
4,4'-DDD	Ave	1791905190	2220562440		0.0310	0.0250	23.9	
Endosulfan II	Ave	2120779171	2472326280		0.0291	0.0250	16.6	
4,4'-DDT	Ave	1420166233	1393371520		0.0245	0.0250	-1.9	
Endrin aldehyde	Ave	1574397867	1636113640		0.0260	0.0250	3.9	
Methoxychlor	Ave	679722133	701706680		0.0258	0.0250	3.2	
Endosulfan sulfate	Ave	1727152069	1859814320		0.0269	0.0250	7.7	
Endrin ketone	Ave	1892819765	1916230640		0.0253	0.0250	1.2	
Tetrachloro-m-xylene	Ave	2415797538	2563594600		0.0265	0.0250	6.1	
DCB Decachlorobiphenyl	Ave	2061793819	2308822360		0.0280	0.0250	12.0	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/17 Calibration Date: 11/29/2012 22:04

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112917.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.23	4.20	4.26
gamma-BHC (Lindane)	4.61	4.58	4.64
beta-BHC	4.74	4.71	4.77
delta-BHC	4.96	4.93	4.99
Heptachlor	5.24	5.21	5.28
Aldrin	5.71	5.68	5.74
Heptachlor epoxide	6.96	6.93	6.99
gamma-Chlordane	7.28	7.25	7.31
alpha-Chlordane	7.62	7.59	7.65
Endosulfan I	7.90	7.87	7.93
4,4'-DDE	8.00	7.97	8.03
Dieldrin	8.45	8.42	8.48
Endrin	8.91	8.88	8.94
4,4'-DDD	9.26	9.23	9.29
Endosulfan II	9.35	9.32	9.38
4,4'-DDT	9.78	9.75	9.81
Endrin aldehyde	10.14	10.11	10.17
Methoxychlor	10.72	10.69	10.75
Endosulfan sulfate	10.86	10.83	10.89
Endrin ketone	11.26	11.23	11.29
Tetrachloro-m-xylene	3.54	3.51	3.57
DCB Decachlorobiphenyl	12.86	12.83	12.89

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112917.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 29-Nov-2012 22:04:26 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015403-017
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 66829 Lims Sample ID: 17
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:21 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	64089865	0.0265			
2	100	4.141	4.141	0.000	179027690	0.0252			
						RPD = 5.19			
5 alpha-BHC									
1	100	4.225	4.225	0.000	97494171	0.0308			
2	100	4.978	4.978	0.000	288733035	0.0290			
						RPD = 5.75			
20 gamma-BHC (Lindane)									
1	100	4.606	4.606	0.000	74720583	0.0277			
2	100	5.547	5.547	0.000	216466012	0.0261			
						RPD = 5.99			
7 beta-BHC									
1	100	4.739	4.739	0.000	36190188	0.0304			
2	100	5.727	5.727	0.000	106144363	0.0294			
						RPD = 3.07			
11 delta-BHC									
1	100	4.957	4.957	0.000	79929121	0.0308			
2	100	6.293	6.293	0.000	233643568	0.0295			
						RPD = 4.28			
22 Heptachlor									
1	100	5.243	5.243	0.000	68292761	0.0280			
2	100	6.394	6.394	0.000	190600403	0.0267			
						RPD = 4.87			
4 Aldrin									
1	100	5.705	5.705	0.000	89899209	0.0303			
2	100	7.130	7.130	0.000	236706929	0.0288			
						RPD = 5.03			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	78525197	0.0319			
2	100	8.604	8.604	0.000	205840482	0.0301			
						RPD = 5.56			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	78767366	0.0298			
2	100	9.024	9.024	0.000	196134963	0.0281			
						RPD = 5.75			
6 alpha-Chlordane									
1	100	7.622	7.622	0.000	81983310	0.0302			
2	100	9.332	9.332	0.000	205239071	0.0292			
						RPD = 3.54			
14 Endosulfan I									
1	100	7.897	7.897	0.000	73678282	0.0316			
2	100	9.394	9.394	0.000	168498436	0.0293			
						RPD = 7.82			
2 4,4'-DDE									
1	100	7.996	7.996	0.000	83864166	0.0290			
2	100	9.787	9.787	0.000	194990973	0.0271			
						RPD = 6.84			
13 Dieldrin									
1	100	8.454	8.454	0.000	76380532	0.0314			
2	100	9.926	9.926	0.000	181133508	0.0287			
						RPD = 9.22			
17 Endrin									
1	100	8.908	8.908	0.000	69337661	0.0310			
2	100	10.443	10.443	0.000	166700692	0.0286			
						RPD = 8.03			
1 4,4'-DDD									
1	100	9.264	9.264	0.000	55514061	0.0310			
2	100	10.808	10.808	0.000	272593767	0.0278			
						RPD = 10.86			
15 Endosulfan II									
1	100	9.353	9.353	0.000	61808157	0.0291			
2	100	10.808	10.808	0.000	272593767	0.0278			
						RPD = 4.76			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	34834288	0.0245			
2	100	11.291	11.291	0.000	76553199	0.0230			
						RPD = 6.47			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	40902841	0.0260			
2	100	11.382	11.382	0.000	94563995	0.0247			
						RPD = 4.98			
27 Methoxychlor									
1	100	10.722	10.722	0.000	17542667	0.0258			
2	100	12.364	12.364	0.000	38331329	0.0231			
						RPD = 11.24			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	46495358	0.0269			
2	100	11.814	11.814	0.000	109664696	0.0254			
						RPD = 5.73			
19 Endrin ketone									
1	100	11.260	11.260	0.000	47905766	0.0253			
2	100	12.551	12.551	0.000	103632275	0.0236			
						RPD = 6.83			
$ 10 DCB Decachlorobiphenyl									
1	100	12.861	12.861	0.000	57720559	0.0280			
2	100	14.324	14.324	0.000	122506547	0.0259			
						RPD = 7.82			

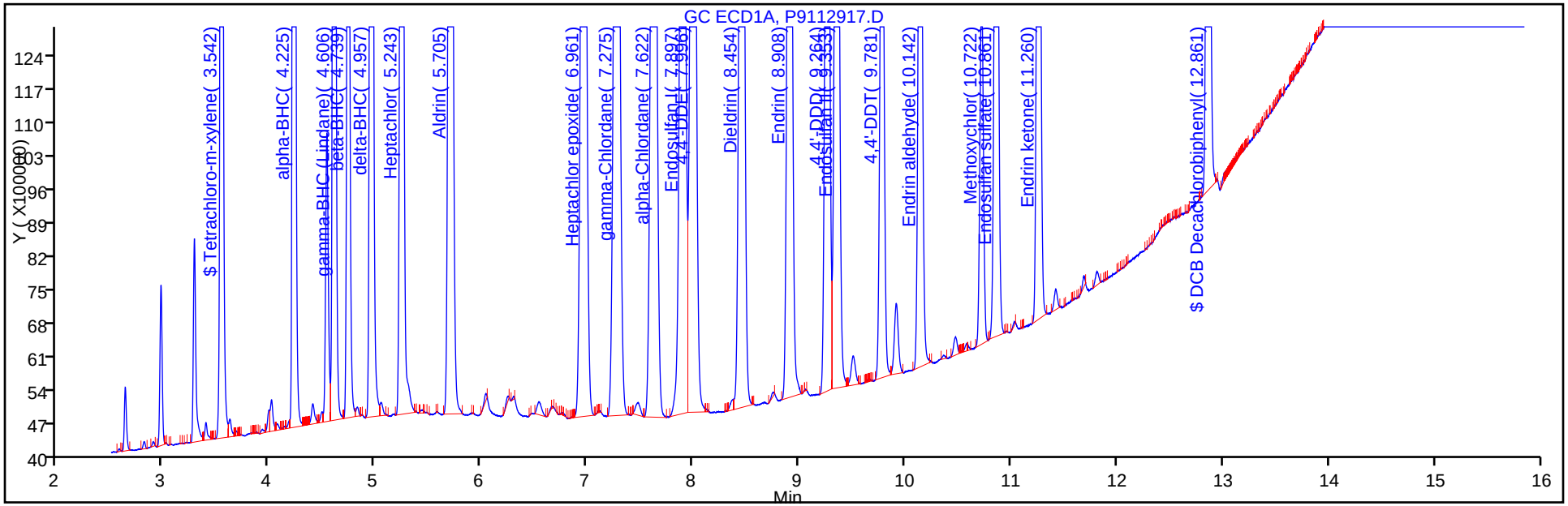
Report Date: 30-Nov-2012 12:11:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

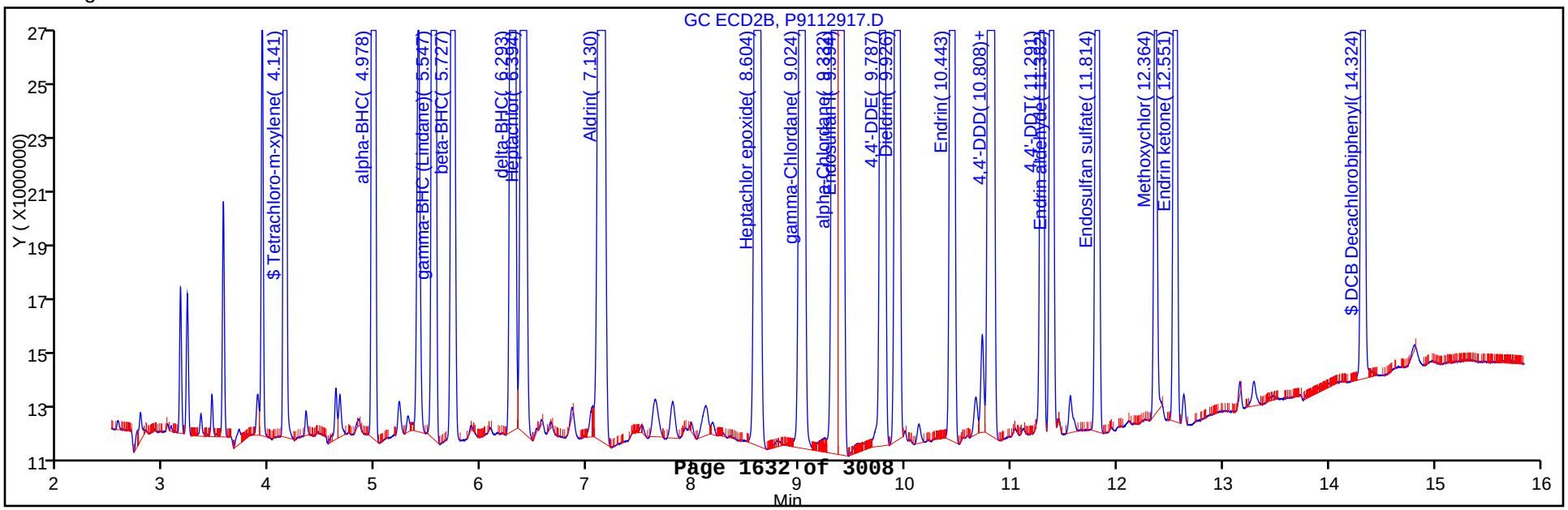
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112917.D

Injection Date:	29-Nov-2012 22:04:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/17 Calibration Date: 11/29/2012 22:04

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112917.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	9940089371	11549321400		0.0290	0.0250	16.2	
gamma-BHC (Lindane)	Ave	8293601368	8658640480		0.0261	0.0250	4.4	
beta-BHC	Ave	3605562217	4245774520		0.0294	0.0250	17.8	
delta-BHC	Ave	7912733268	9345742720		0.0295	0.0250	18.1	
Heptachlor	Ave	7140697065	7624016120		0.0267	0.0250	6.8	
Aldrin	Ave	8215129958	9468277160		0.0288	0.0250	15.3	
Heptachlor epoxide	Ave	6831839093	8233619280		0.0301	0.0250	20.5	
gamma-Chlordane	Ave	6968754018	7845398520		0.0281	0.0250	12.6	
alpha-Chlordane	Ave	7037942515	8209562840		0.0292	0.0250	16.6	
Endosulfan I	Ave	5759774207	6739937440		0.0293	0.0250	17.0	
4,4'-DDE	Ave	7207034711	7799638920		0.0271	0.0250	8.2	
Dieldrin	Ave	6317654321	7245340320		0.0287	0.0250	14.7	
Endrin	Ave	5818678867	6668027680		0.0286	0.0250	14.6	
4,4'-DDD	Ave	9809607119	10903750680		0.0278	0.0250	11.2	
Endosulfan II	Ave	9809607119	10903750680		0.0278	0.0250	11.2	
4,4'-DDT	Ave	3329664076	3062127960		0.0230	0.0250	-8.0	
Endrin aldehyde	Ave	3825777334	3782559800		0.0247	0.0250	-1.1	
Endosulfan sulfate	Ave	4314206102	4386587840		0.0254	0.0250	1.7	
Methoxychlor	Ave	1662173652	1533253160		0.0231	0.0250	-7.8	
Endrin ketone	Ave	4384149523	4145291000		0.0236	0.0250	-5.4	
Tetrachloro-m-xylene	Ave	7107894572	7161107600		0.0252	0.0250	0.7	
DCB Decachlorobiphenyl	Ave	4732054895	4900261880		0.0259	0.0250	3.6	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/17 Calibration Date: 11/29/2012 22:04

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112917.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.98	4.95	5.01
gamma-BHC (Lindane)	5.55	5.52	5.58
beta-BHC	5.73	5.70	5.76
delta-BHC	6.29	6.26	6.32
Heptachlor	6.39	6.36	6.43
Aldrin	7.13	7.10	7.16
Heptachlor epoxide	8.60	8.57	8.63
gamma-Chlordane	9.02	8.99	9.05
alpha-Chlordane	9.33	9.30	9.36
Endosulfan I	9.39	9.36	9.42
4,4'-DDE	9.79	9.76	9.82
Dieldrin	9.93	9.90	9.96
Endrin	10.44	10.41	10.47
4,4'-DDD	10.81	10.78	10.84
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.29	11.26	11.32
Endrin aldehyde	11.38	11.35	11.41
Endosulfan sulfate	11.81	11.78	11.84
Methoxychlor	12.36	12.33	12.39
Endrin ketone	12.55	12.52	12.58
Tetrachloro-m-xylene	4.14	4.11	4.17
DCB Decachlorobiphenyl	14.32	14.29	14.35

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112917.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 29-Nov-2012 22:04:26 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015403-017
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 66829 Lims Sample ID: 17
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:21 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	64089865	0.0265			
2	100	4.141	4.141	0.000	179027690	0.0252			
						RPD = 5.19			
5 alpha-BHC									
1	100	4.225	4.225	0.000	97494171	0.0308			
2	100	4.978	4.978	0.000	288733035	0.0290			
						RPD = 5.75			
20 gamma-BHC (Lindane)									
1	100	4.606	4.606	0.000	74720583	0.0277			
2	100	5.547	5.547	0.000	216466012	0.0261			
						RPD = 5.99			
7 beta-BHC									
1	100	4.739	4.739	0.000	36190188	0.0304			
2	100	5.727	5.727	0.000	106144363	0.0294			
						RPD = 3.07			
11 delta-BHC									
1	100	4.957	4.957	0.000	79929121	0.0308			
2	100	6.293	6.293	0.000	233643568	0.0295			
						RPD = 4.28			
22 Heptachlor									
1	100	5.243	5.243	0.000	68292761	0.0280			
2	100	6.394	6.394	0.000	190600403	0.0267			
						RPD = 4.87			
4 Aldrin									
1	100	5.705	5.705	0.000	89899209	0.0303			
2	100	7.130	7.130	0.000	236706929	0.0288			
						RPD = 5.03			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	78525197	0.0319			
2	100	8.604	8.604	0.000	205840482	0.0301			
						RPD = 5.56			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	78767366	0.0298			
2	100	9.024	9.024	0.000	196134963	0.0281			
						RPD = 5.75			
6 alpha-Chlordane									
1	100	7.622	7.622	0.000	81983310	0.0302			
2	100	9.332	9.332	0.000	205239071	0.0292			
						RPD = 3.54			
14 Endosulfan I									
1	100	7.897	7.897	0.000	73678282	0.0316			
2	100	9.394	9.394	0.000	168498436	0.0293			
						RPD = 7.82			
2 4,4'-DDE									
1	100	7.996	7.996	0.000	83864166	0.0290			
2	100	9.787	9.787	0.000	194990973	0.0271			
						RPD = 6.84			
13 Dieldrin									
1	100	8.454	8.454	0.000	76380532	0.0314			
2	100	9.926	9.926	0.000	181133508	0.0287			
						RPD = 9.22			
17 Endrin									
1	100	8.908	8.908	0.000	69337661	0.0310			
2	100	10.443	10.443	0.000	166700692	0.0286			
						RPD = 8.03			
1 4,4'-DDD									
1	100	9.264	9.264	0.000	55514061	0.0310			
2	100	10.808	10.808	0.000	272593767	0.0278			
						RPD = 10.86			
15 Endosulfan II									
1	100	9.353	9.353	0.000	61808157	0.0291			
2	100	10.808	10.808	0.000	272593767	0.0278			
						RPD = 4.76			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	34834288	0.0245			
2	100	11.291	11.291	0.000	76553199	0.0230			
						RPD = 6.47			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	40902841	0.0260			
2	100	11.382	11.382	0.000	94563995	0.0247			
						RPD = 4.98			
27 Methoxychlor									
1	100	10.722	10.722	0.000	17542667	0.0258			
2	100	12.364	12.364	0.000	38331329	0.0231			
						RPD = 11.24			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	46495358	0.0269			
2	100	11.814	11.814	0.000	109664696	0.0254			
						RPD = 5.73			
19 Endrin ketone									
1	100	11.260	11.260	0.000	47905766	0.0253			
2	100	12.551	12.551	0.000	103632275	0.0236			
						RPD = 6.83			
$ 10 DCB Decachlorobiphenyl									
1	100	12.861	12.861	0.000	57720559	0.0280			
2	100	14.324	14.324	0.000	122506547	0.0259			
						RPD = 7.82			

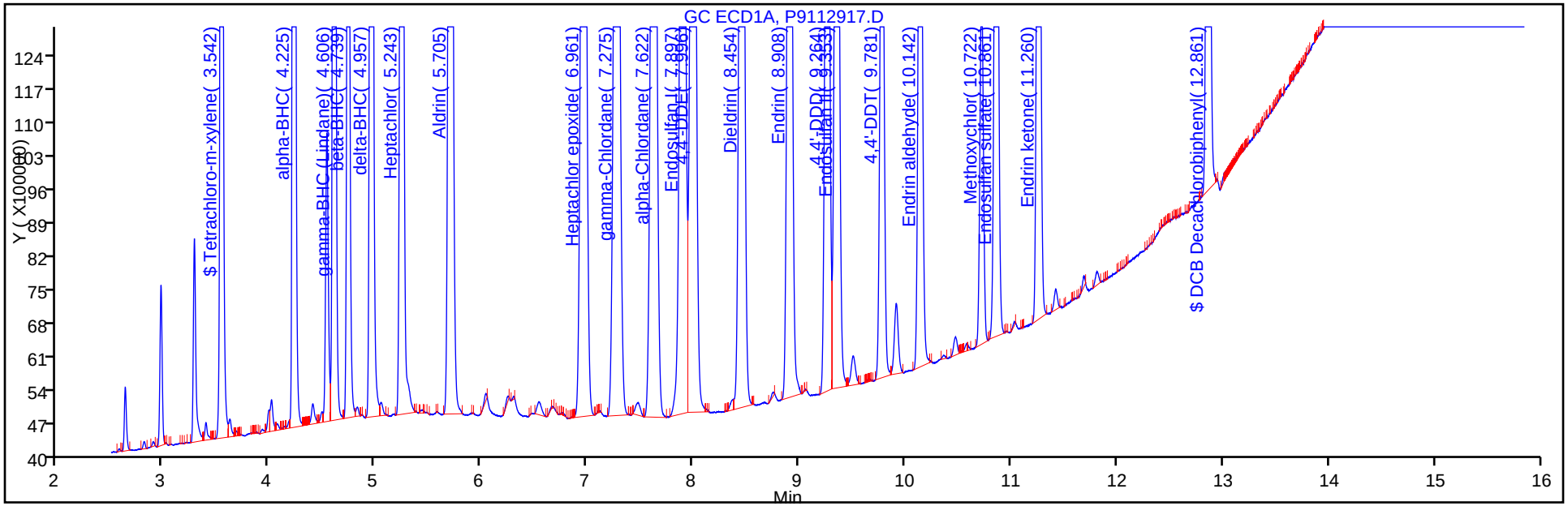
Report Date: 30-Nov-2012 12:11:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

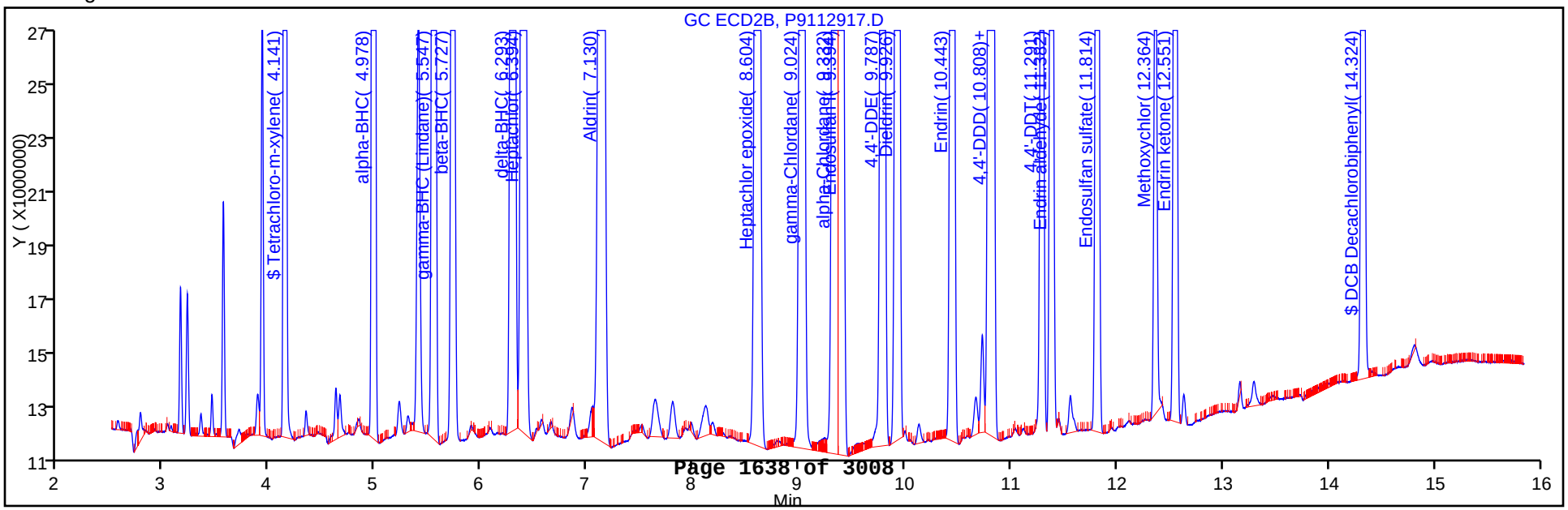
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112917.D

Injection Date:	29-Nov-2012 22:04:26	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/30 Calibration Date: 11/30/2012 03:59

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112930.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	82355349	91581167		1.11	1.00	11.2	
Toxaphene Peak 2	Ave	80598016	91010136		1.13	1.00	12.9	
Toxaphene Peak 3	Ave	60115062	61391451		1.02	1.00	2.1	
Toxaphene Peak 4	Ave	79190156	80250623		1.01	1.00	1.3	
Toxaphene Peak 5	Ave	47091318	44373598		0.942	1.00	-5.8	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/30 Calibration Date: 11/30/2012 03:59

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112930.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.48	9.45	9.51
Toxaphene Peak 2	10.03	10.00	10.06
Toxaphene Peak 3	10.09	10.06	10.12
Toxaphene Peak 4	10.67	10.64	10.70
Toxaphene Peak 5	11.24	11.21	11.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112930.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 30-Nov-2012 03:59:28 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015403-030
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 66829 Lims Sample ID: 30
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:29 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:25:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	91581167	1.11		100.0	M
1	2	10.026	10.026	0.000	91010136	1.13	75.2- 115.2	99.4	M
1	3	10.091	10.091	0.000	61391451	1.02	54.7- 94.7	67.0	M
1	4	10.670	10.670	0.000	80250623	1.01	75.4- 115.4	87.6	M
1	5	11.235	11.235	0.000	44373598	0.9423	37.4- 77.4	48.5	M
			Average of Peak Amounts =			1.04			
2	100	10.380	10.380	0.000	221066460	1.14		100.0	M
2	2	11.398	11.398	0.000	268803417	1.07	108.0- 148.0	121.6	M
2	3	11.744	11.744	0.000	100955428	1.07	28.1- 68.1	45.7	M
2	4	12.148	12.148	0.000	174850144	0.9522	72.6- 112.6	79.1	M
2	5	12.533	12.533	0.000	53871081	0.8895	9.6- 49.6	24.4	M
			Average of Peak Amounts =			1.02			
						RPD = 1.83			

QC Flag Legend

Review Flags
M - Manually Integrated

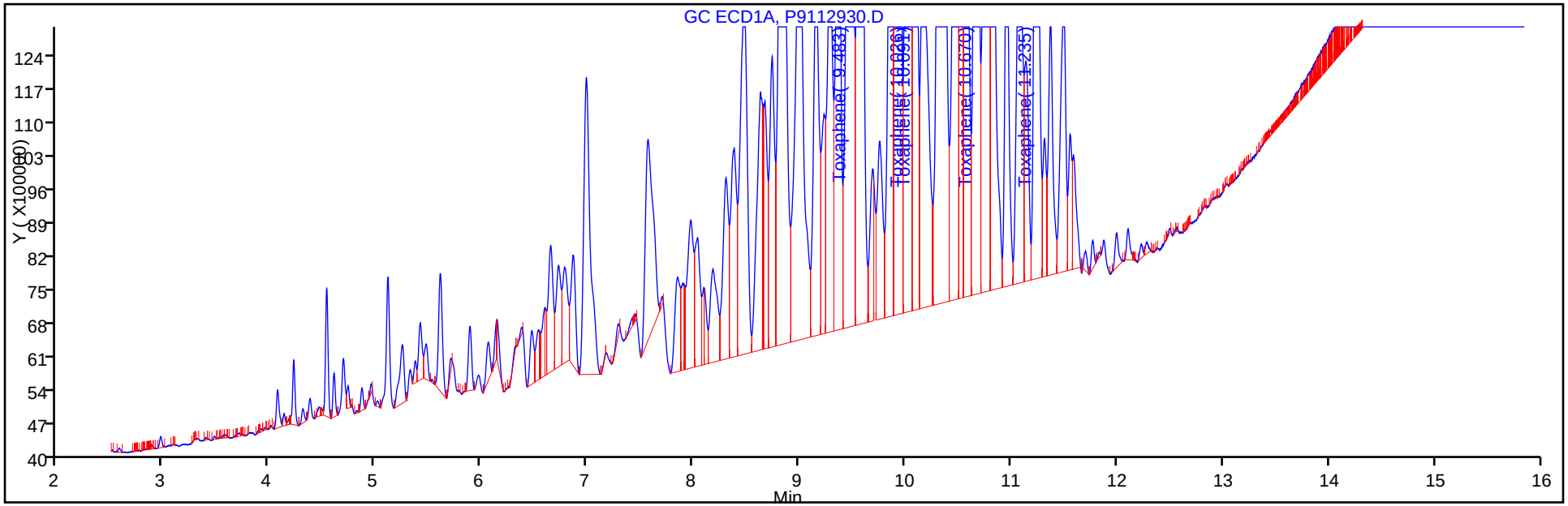
Report Date: 30-Nov-2012 12:11:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

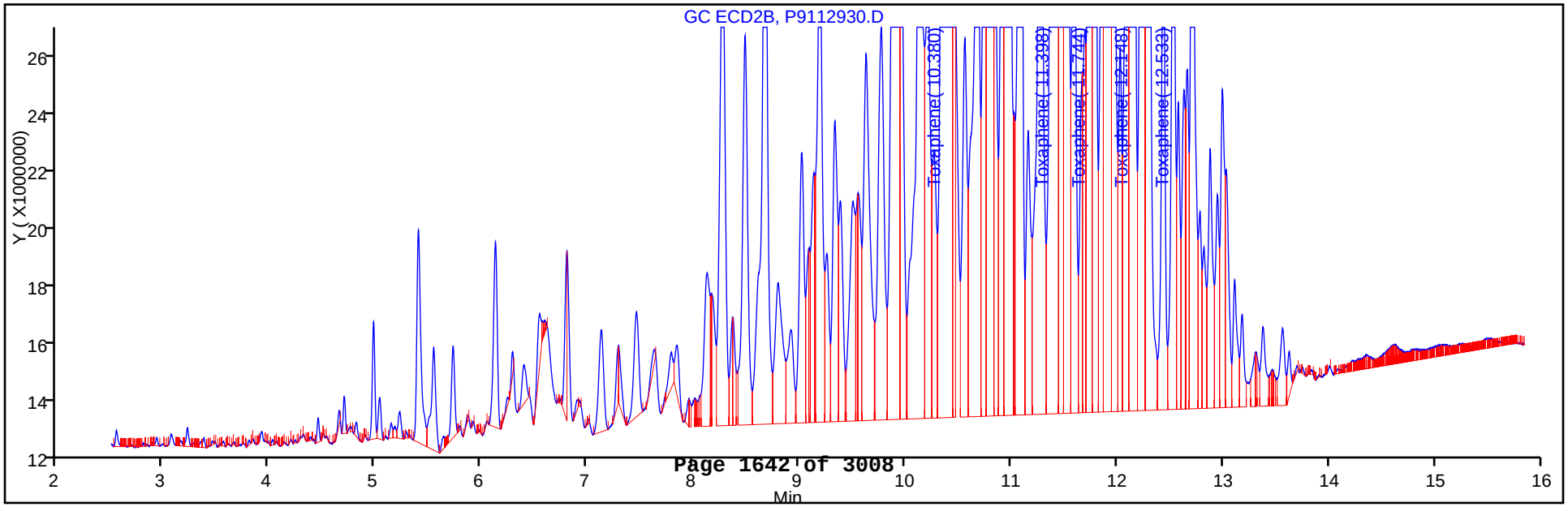
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112930.D

Injection Date:	30-Nov-2012 03:59:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	30
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



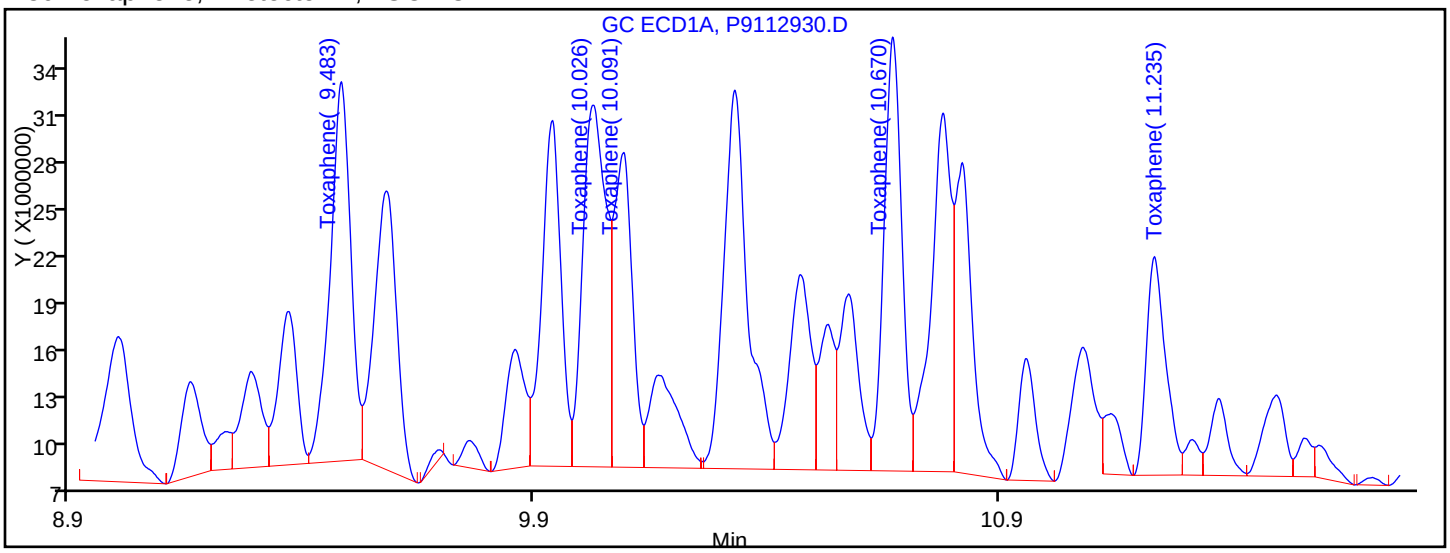
Report Date: 30-Nov-2012 12:11:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112930.D

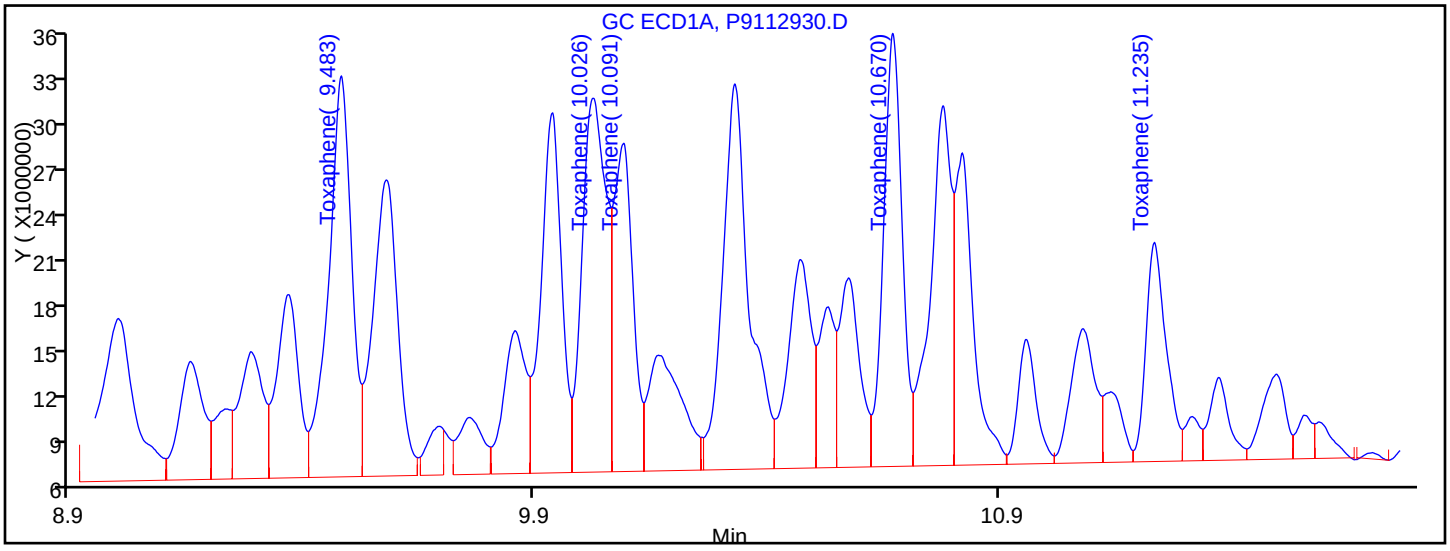
Injection Date:	30-Nov-2012 03:59:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	30
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.483	Response = 73430846	M
RT = 10.026	Response = 80941821	M
RT = 10.091	Response = 53593900	M
RT = 10.670	Response = 73055800	M
RT = 11.235	Response = 39766127	M



Manual Integration Results

RT = 9.483	Response = 91581167	M
RT = 10.026	Response = 91010136	M
RT = 10.091	Response = 61391451	M
RT = 10.670	Response = 80250623	M
RT = 11.235	Response = 44373598	M

Reviewer: vandorenc, 30-Nov-2012 11:25:20

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/30 Calibration Date: 11/30/2012 03:59

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112930.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	193329374	221066460		1.14	1.00	14.3	
Toxaphene Peak 2	Ave	251674328	268803417		1.07	1.00	6.8	
Toxaphene Peak 3	Ave	94342583	100955428		1.07	1.00	7.0	
Toxaphene Peak 4	Ave	183622795	174850144		0.952	1.00	-4.8	
Toxaphene Peak 5	Ave	60562274	53871081		0.890	1.00	-11.0	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66829/30 Calibration Date: 11/30/2012 03:59

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112930.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.38	10.35	10.41
Toxaphene Peak 2	11.40	11.37	11.43
Toxaphene Peak 3	11.74	11.71	11.77
Toxaphene Peak 4	12.15	12.12	12.18
Toxaphene Peak 5	12.53	12.50	12.56

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112930.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 30-Nov-2012 03:59:28 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015403-030
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 66829 Lims Sample ID: 30
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:29 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:25:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	91581167	1.11		100.0	M
1	2	10.026	10.026	0.000	91010136	1.13	75.2- 115.2	99.4	M
1	3	10.091	10.091	0.000	61391451	1.02	54.7- 94.7	67.0	M
1	4	10.670	10.670	0.000	80250623	1.01	75.4- 115.4	87.6	M
1	5	11.235	11.235	0.000	44373598	0.9423	37.4- 77.4	48.5	M
			Average of Peak Amounts =			1.04			
2	100	10.380	10.380	0.000	221066460	1.14		100.0	M
2	2	11.398	11.398	0.000	268803417	1.07	108.0- 148.0	121.6	M
2	3	11.744	11.744	0.000	100955428	1.07	28.1- 68.1	45.7	M
2	4	12.148	12.148	0.000	174850144	0.9522	72.6- 112.6	79.1	M
2	5	12.533	12.533	0.000	53871081	0.8895	9.6- 49.6	24.4	M
			Average of Peak Amounts =			1.02			
						RPD = 1.83			

QC Flag Legend

Review Flags
M - Manually Integrated

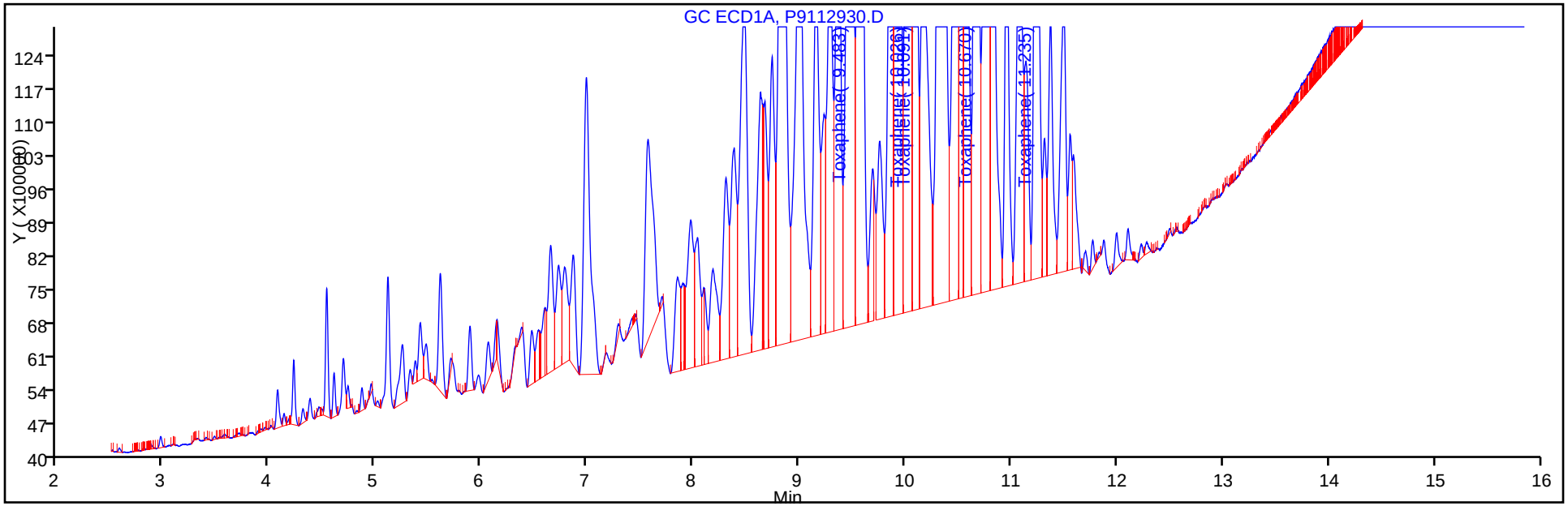
Report Date: 30-Nov-2012 12:11:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

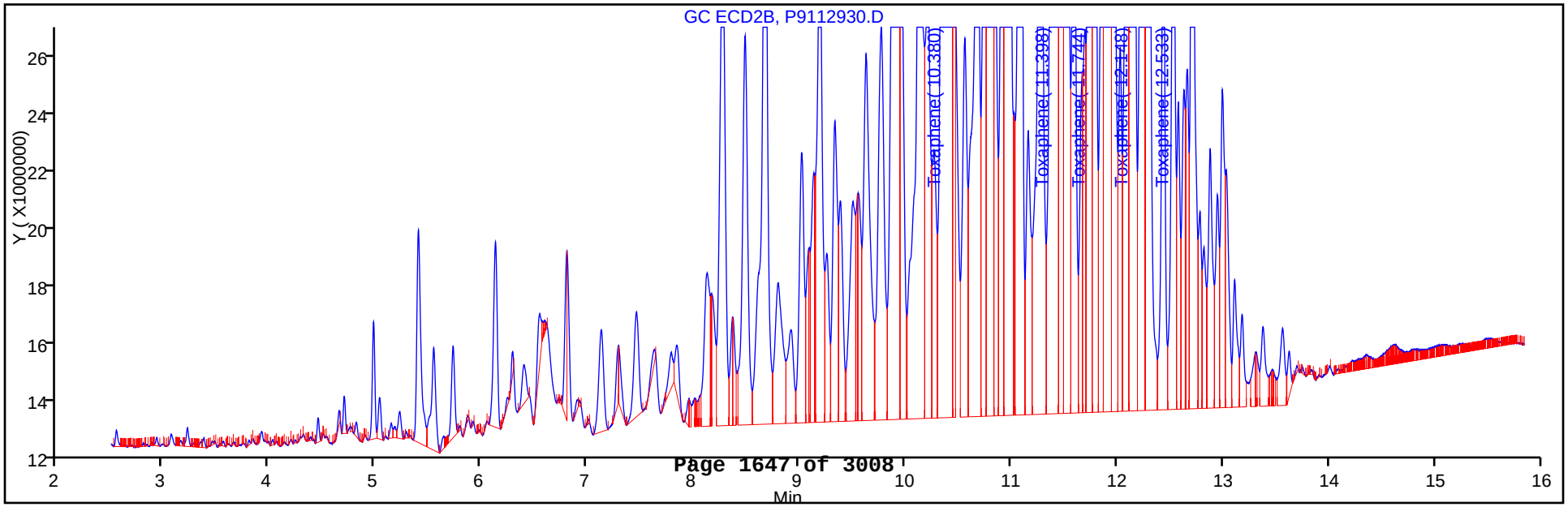
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112930.D

Injection Date:	30-Nov-2012 03:59:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	30
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



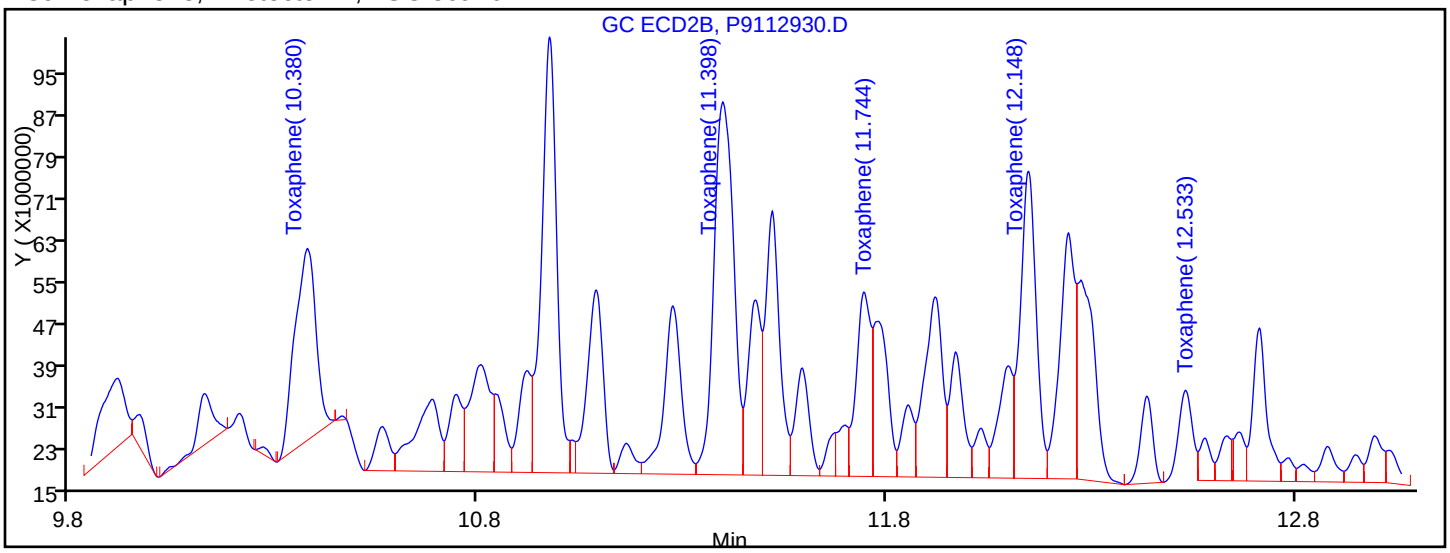
Report Date: 30-Nov-2012 12:11:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112930.D

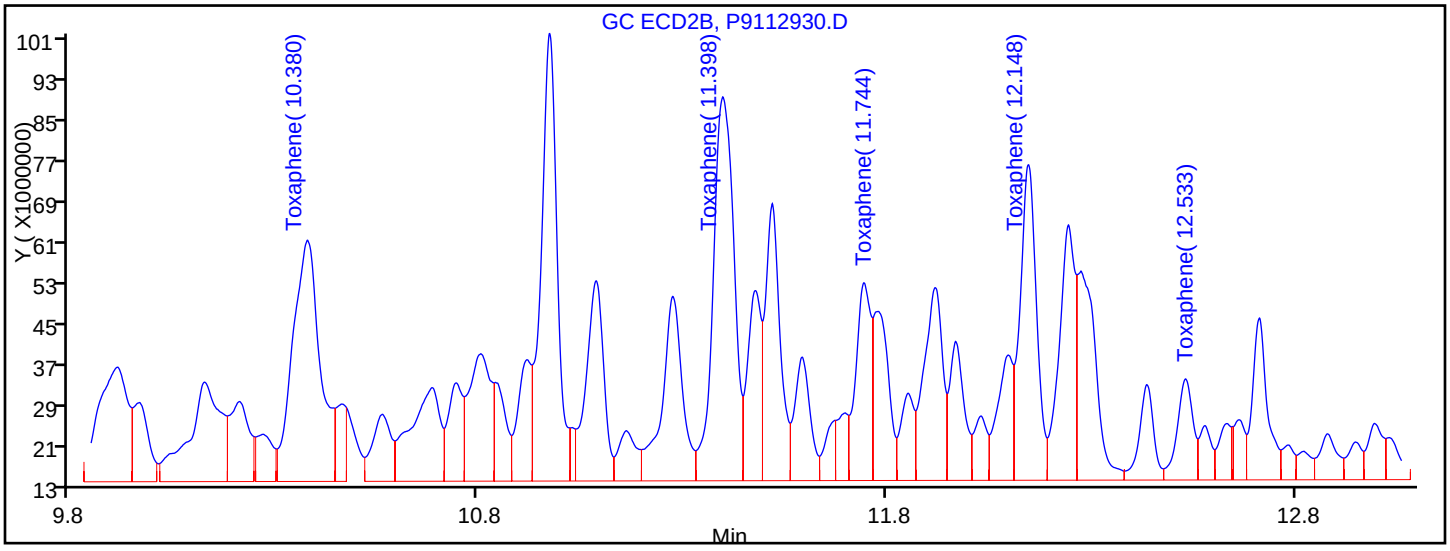
Injection Date:	30-Nov-2012 03:59:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	30
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.380	Response = 133217703	M
RT = 11.398	Response = 242362448	M
RT = 11.744	Response = 88761169	M
RT = 12.148	Response = 160192323	M
RT = 12.533	Response = 41878861	M



Manual Integration Results

RT = 10.380	Response = 221066460	M
RT = 11.398	Response = 268803417	M
RT = 11.744	Response = 100955428	M
RT = 12.148	Response = 174850144	M
RT = 12.533	Response = 53871081	M

Reviewer: vandorenc, 30-Nov-2012 11:25:20

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-65759/17-A

Matrix: Solid Lab File ID: P9112751.D

Analysis Method: 8081/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 11/20/2012 11:21

Sample wt/vol: 30.00(g) Date Analyzed: 11/29/2012 00:47

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	92		55-130
877-09-8	Tetrachloro-m-xylene	86		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112751.D
Lims ID: MB 240-65759/17-A Client ID:
Inject. Date: 29-Nov-2012 00:47:38 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015316-051
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 51
Lims Batch ID: 66500 Lims Sample ID: 51
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:47 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 11:10:06

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.542	-0.002	41360468	0.0171			
2	100	4.141	4.140	0.001	122778245	0.0173			
						RPD = 0.89			
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100		4.225						
2	100		4.978						
20 gamma-BHC (Lindane)									
1	100		4.605						
2	100		5.547						
7 beta-BHC									
1	100		4.738						
2	100		5.727						
11 delta-BHC									
1	100		4.956						
2	100		6.292						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100		5.242						
2	100		6.393						
4 Aldrin									
1	100		5.704						
2	100		7.132						
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100		6.961						
2	100		8.605						
21 gamma-Chlordane									
1	100		7.275						
2	100		9.025						
6 alpha-Chlordane									
1	100		7.623						
2	100		9.333						
14 Endosulfan I									
1	100		7.897						
2	100		9.396						
2 4,4'-DDE									
1	100		7.995						
2	100		9.787						
13 Dieldrin									
1	100		8.455						
2	100		9.927						
17 Endrin									1
1	100		8.908						
2	100		10.444						
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100		9.264						
2	100		10.810						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.354						
2	100		10.810						
30 Toxaphene									
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100		9.780						
2	100		11.292						
18 Endrin aldehyde									
1	100		10.141						
2	100		11.383						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.722						
2	100		12.365						
16 Endosulfan sulfate									
1	100		10.861						
2	100		11.814						
19 Endrin ketone									
1	100		11.261						
2	100		12.552						
$ 10 DCB Decachlorobiphenyl									
1	100	12.859	12.862	-0.003	37843459	0.0184			
2	100	14.323	14.324	-0.001	83499944	0.0176			
						RPD = 3.94			

QC Flag Legend

Processing Flags
1 - Missing Peaks

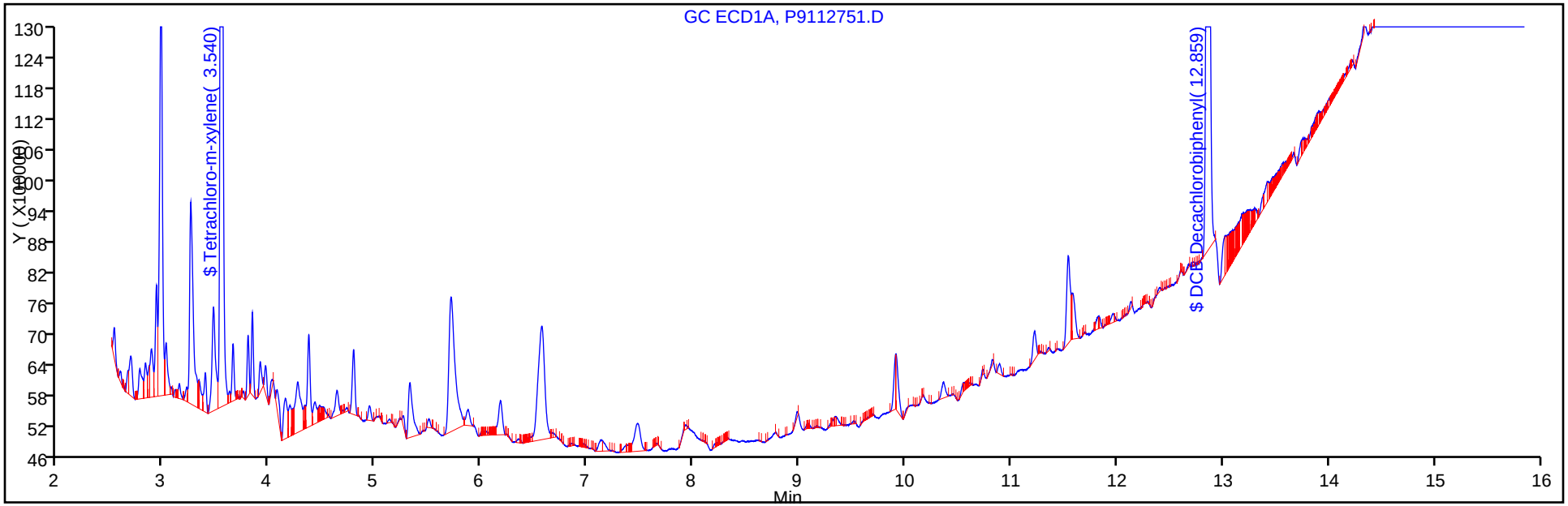
Report Date: 29-Nov-2012 11:21:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

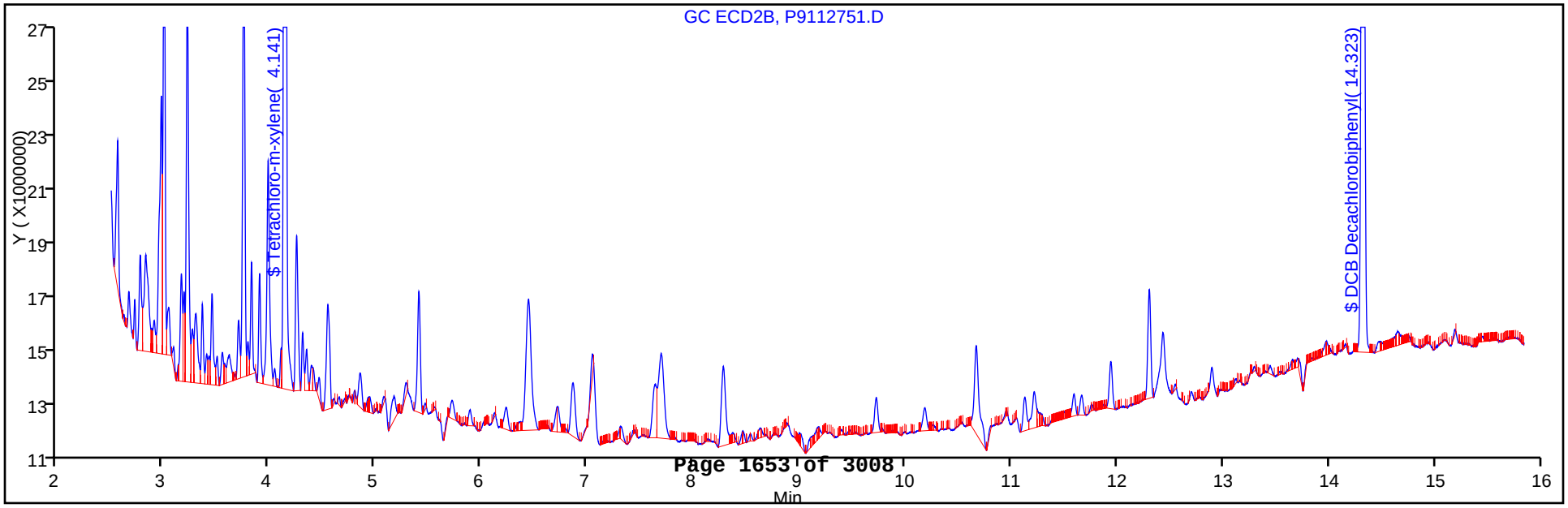
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112751.D

Injection Date:	29-Nov-2012 00:47:38	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	51
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65759/17-A

Matrix: Solid | Lab File ID: P9112751.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 11/20/2012 11:21

Sample wt/vol: 30.00(g) | Date Analyzed: 11/29/2012 00:47

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.67	U	2.0	0.67	0.62
72-55-9	4,4'-DDE	0.67	U	1.7	0.67	0.39
50-29-3	4,4'-DDT	0.67	U	2.0	0.67	0.63
309-00-2	Aldrin	1.3	U	4.0	1.3	1.2
319-84-6	alpha-BHC	1.3	U	2.5	1.3	0.73
5103-71-9	alpha-Chlordane	1.3	U	3.0	1.3	0.94
319-85-7	beta-BHC	1.3	U	3.5	1.3	1.1
319-86-8	delta-BHC	1.3	U	4.0	1.3	1.2
60-57-1	Dieldrin	0.67	U	1.7	0.67	0.47
959-98-8	Endosulfan I	0.67	U	1.7	0.67	0.52
33213-65-9	Endosulfan II	1.3	U	2.5	1.3	0.82
1031-07-8	Endosulfan sulfate	1.3	U	3.0	1.3	0.87
72-20-8	Endrin	0.67	U	1.7	0.67	0.50
7421-93-4	Endrin aldehyde	1.3	U	3.0	1.3	1.0
53494-70-5	Endrin ketone	0.67	U	2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	1.3	U	2.5	1.3	0.74
5103-74-2	gamma-Chlordane	0.67	U	1.7	0.67	0.42
76-44-8	Heptachlor	1.3	U	3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	1.3	U	2.5	1.3	0.80
72-43-5	Methoxychlor	3.3	U	5.0	3.3	1.5
8001-35-2	Toxaphene	20	U	67	20	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88		55-130
877-09-8	Tetrachloro-m-xylene	86		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112751.D
Lims ID: MB 240-65759/17-A
Client ID:
Inject. Date: 29-Nov-2012 00:47:38
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015316-051
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 51
Lims Batch ID: 66500
Lims Sample ID: 51
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:47
Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc
Date: 29-Nov-2012 11:10:06

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.542	-0.002	41360468	0.0171			
2	100	4.141	4.140	0.001	122778245	0.0173			
						RPD = 0.89			
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100		4.225						
2	100		4.978						
20 gamma-BHC (Lindane)									
1	100		4.605						
2	100		5.547						
7 beta-BHC									
1	100		4.738						
2	100		5.727						
11 delta-BHC									
1	100		4.956						
2	100		6.292						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100		5.242						
2	100		6.393						
4 Aldrin									
1	100		5.704						
2	100		7.132						
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100		6.961						
2	100		8.605						
21 gamma-Chlordane									
1	100		7.275						
2	100		9.025						
6 alpha-Chlordane									
1	100		7.623						
2	100		9.333						
14 Endosulfan I									
1	100		7.897						
2	100		9.396						
2 4,4'-DDE									
1	100		7.995						
2	100		9.787						
13 Dieldrin									
1	100		8.455						
2	100		9.927						
17 Endrin									1
1	100		8.908						
2	100		10.444						
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100		9.264						
2	100		10.810						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.354						
2	100		10.810						
30 Toxaphene									
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100		9.780						
2	100		11.292						
18 Endrin aldehyde									
1	100		10.141						
2	100		11.383						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.722						
2	100		12.365						
16 Endosulfan sulfate									
1	100		10.861						
2	100		11.814						
19 Endrin ketone									
1	100		11.261						
2	100		12.552						
$ 10 DCB Decachlorobiphenyl									
1	100	12.859	12.862	-0.003	37843459	0.0184			
2	100	14.323	14.324	-0.001	83499944	0.0176			
						RPD = 3.94			

QC Flag Legend

Processing Flags
1 - Missing Peaks

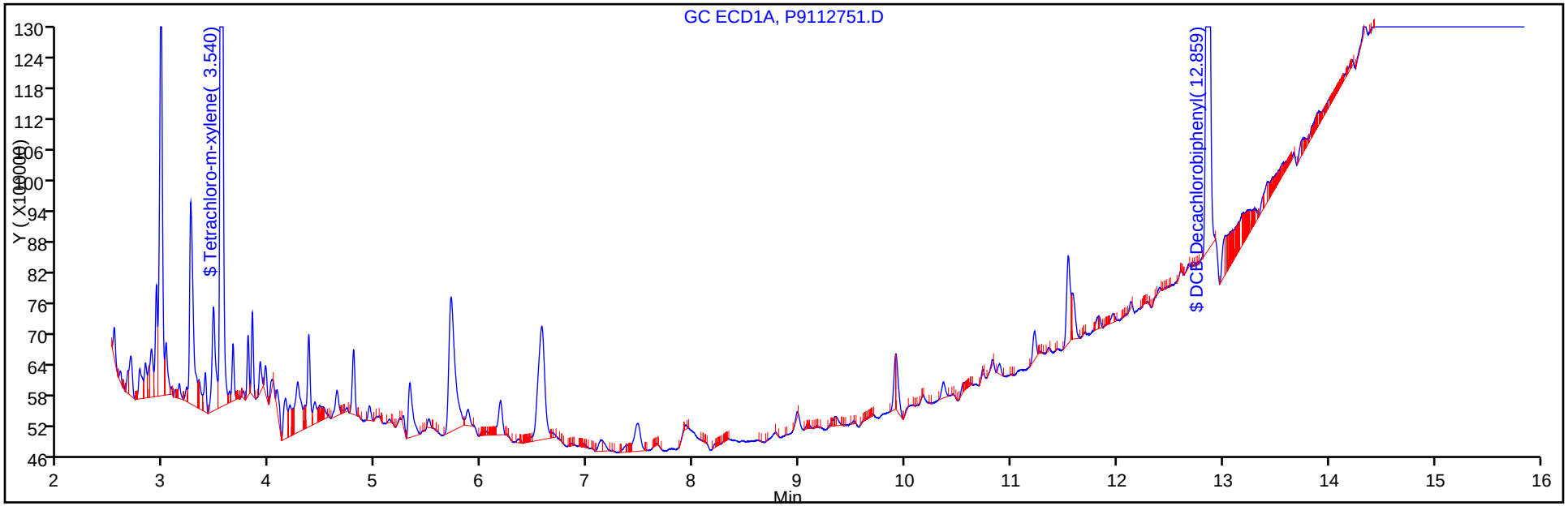
Report Date: 29-Nov-2012 11:21:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

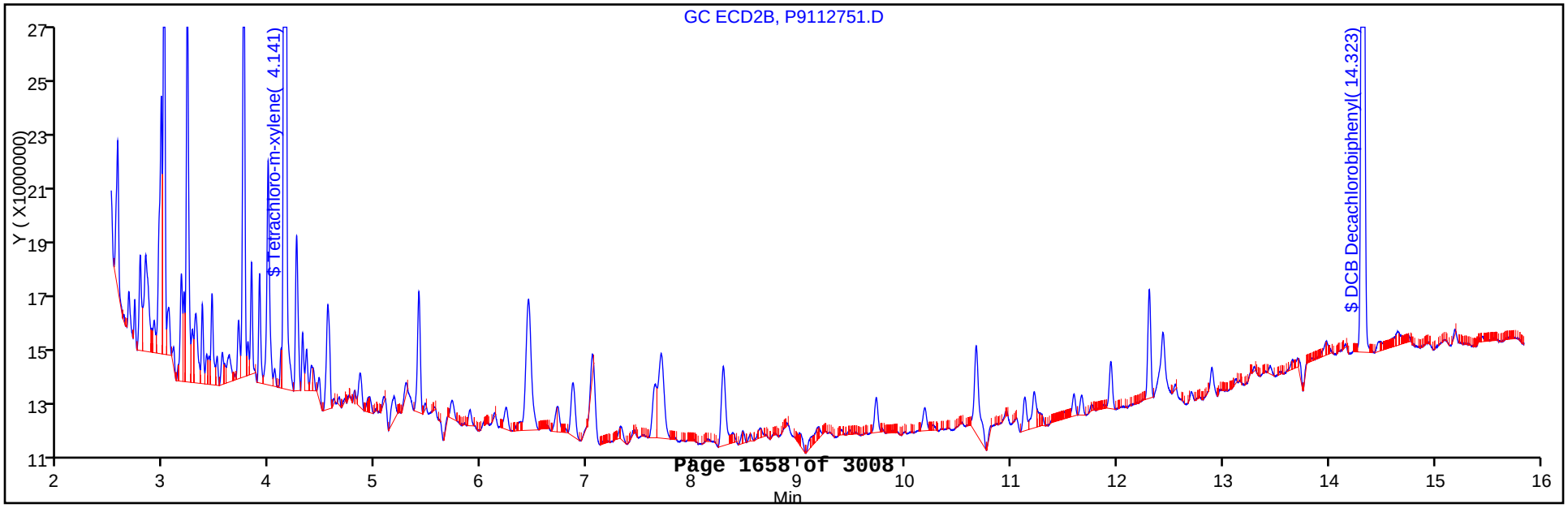
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112751.D

Injection Date:	29-Nov-2012 00:47:38	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	51
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65759/18-A

Matrix: Solid | Lab File ID: P9112731.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 11/20/2012 11:21

Sample wt/vol: 30.00(g) | Date Analyzed: 11/28/2012 15:36

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	35.3		2.0	0.67	0.62
33213-65-9	Endosulfan II	28.4		2.5	1.3	0.82

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		55-130
877-09-8	Tetrachloro-m-xylene	85		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112731.D
Lims ID: LCS 240-65759/18-A Client ID:
Inject. Date: 28-Nov-2012 15:36:12 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015316-031
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 31
Lims Batch ID: 66500 Lims Sample ID: 31
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:36 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.544	3.542	0.002	41028369	0.0170			
2	100	4.142	4.141	0.001	115395114	0.0162			
						RPD = 4.51			
5 alpha-BHC									
1	100	4.227	4.226	0.001	342811162	0.1082			
2	100	4.980	4.979	0.001	1080982441	0.1087			
						RPD = 0.52			
20 gamma-BHC (Lindane)									
1	100	4.607	4.606	0.001	290349045	0.1077			
2	100	5.549	5.548	0.001	840040880	0.1013			
						RPD = 6.12			
7 beta-BHC									
1	100	4.739	4.739	0.000	120505798	0.1011			
2	100	5.729	5.728	0.001	361343251	0.1002			
						RPD = 0.86			
11 delta-BHC									
1	100	4.958	4.957	0.001	302329469	0.1166			
2	100	6.294	6.292	0.002	956780306	0.1209			
						RPD = 3.65			
22 Heptachlor									
1	100	5.245	5.244	0.001	229667927	0.0942			
2	100	6.394	6.394	0.000	628848522	0.0881			
						RPD = 6.78			
4 Aldrin									
1	100	5.705	5.705	0.000	303559222	0.1023			
2	100	7.132	7.131	0.001	842579391	0.1026			
						RPD = 0.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.963	6.961	0.002	273050316	0.1108			
2	100	8.604	8.606	-0.002	709410091	0.1038			
						RPD = 6.45			
21 gamma-Chlordane									
1	100	7.276	7.275	0.001	278149828	0.1053			
2	100	9.027	9.026	0.001	692546118	0.0994			
						RPD = 5.76			
6 alpha-Chlordane									
1	100	7.625	7.624	0.001	272910172	0.1006			
2	100	9.334	9.336	-0.002	704352854	0.1001			
						RPD = 0.50			
14 Endosulfan I									
1	100	7.898	7.898	0.000	189026452	0.0812			
2	100	9.397	9.396	0.001	436874591	0.0758			
						RPD = 6.77			
2 4,4'-DDE									
1	100	7.997	7.997	0.000	290785094	0.1005			
2	100	9.788	9.788	0.000	723731085	0.1004			
						RPD = 0.04			
13 Dieldrin									
1	100	8.457	8.458	-0.001	264717054	0.1090			
2	100	9.927	9.927	0.000	665465343	0.1053			
						RPD = 3.39			
17 Endrin									
1	100	8.909	8.909	0.000	223931037	0.1003			
2	100	10.445	10.446	-0.001	558169523	0.0959			
						RPD = 4.43			
1 4,4'-DDD									
1	100	9.265	9.264	0.001	189726217	0.1059			
2	100	10.807	10.810	-0.003	904333203	0.0922			
						RPD = 13.82			
15 Endosulfan II									
1	100	9.354	9.355	-0.001	180987809	0.0853			
2	100	10.807	10.810	-0.003	904333203	0.0922			
						RPD = 7.72			
3 4,4'-DDT									
1	100	9.780	9.781	-0.001	155957667	0.1098			
2	100	11.293	11.293	0.000	362215278	0.1088			
						RPD = 0.94			
18 Endrin aldehyde									
1	100	10.143	10.142	0.001	165744818	0.1053			
2	100	11.384	11.385	-0.001	384615638	0.1005			
						RPD = 4.61			
27 Methoxychlor									
1	100	10.723	10.723	0.000	73538120	0.1082			
2	100	12.366	12.366	0.000	163782725	0.0985			
						RPD = 9.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.862	10.861	0.001	197703428	0.1145			
2	100	11.815	11.816	-0.001	481559737	0.1116			
						RPD = 2.52			
19 Endrin ketone									
1	100	11.261	11.260	0.001	188994880	0.0998			
2	100	12.553	12.552	0.001	425178505	0.0970			
						RPD = 2.91			
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.863	0.000	39962325	0.0194			
2	100	14.324	14.325	-0.001	87451866	0.0185			
						RPD = 4.76			

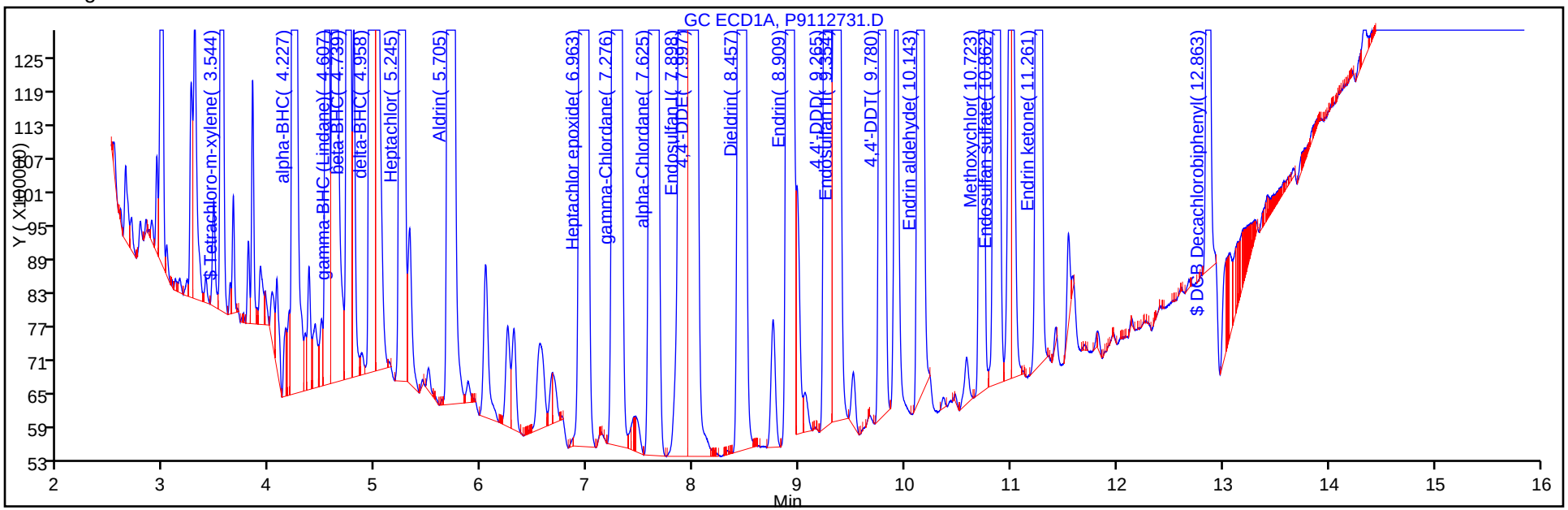
Report Date: 29-Nov-2012 11:21:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

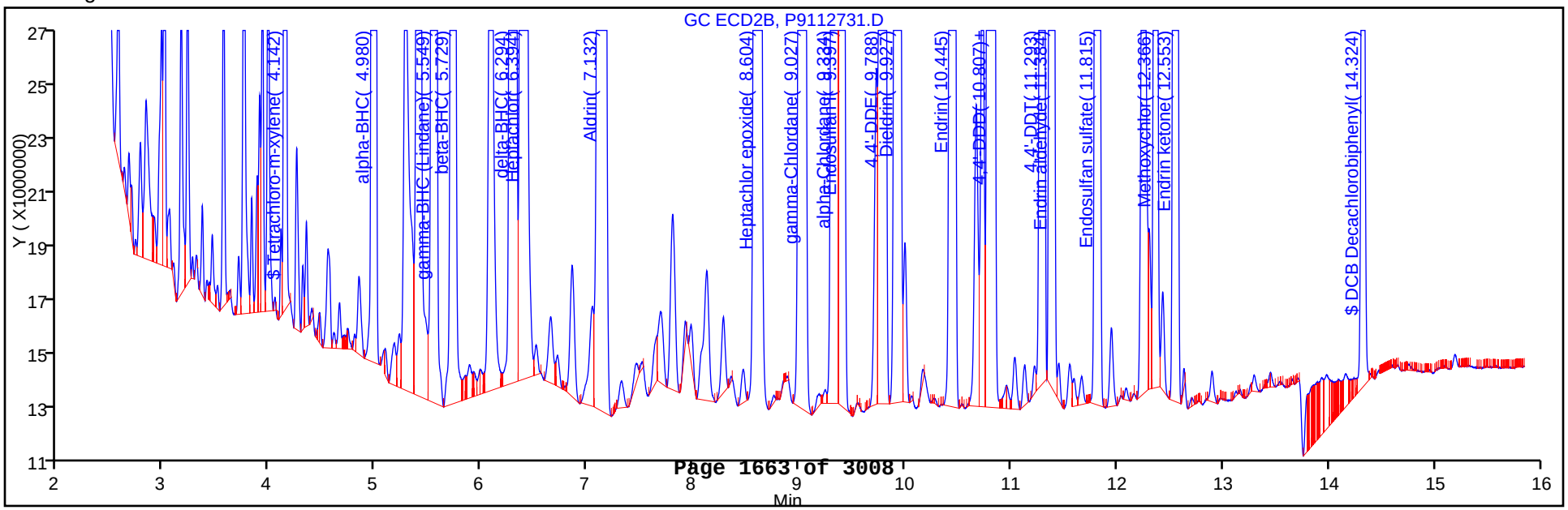
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112731.D

Injection Date:	28-Nov-2012 15:36:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	31
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65759/18-A

Matrix: Solid | Lab File ID: P9112731.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 11/20/2012 11:21

Sample wt/vol: 30.00(g) | Date Analyzed: 11/28/2012 15:36

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	33.5		1.7	0.67	0.39
50-29-3	4,4'-DDT	36.3		2.0	0.67	0.63
309-00-2	Aldrin	34.2		4.0	1.3	1.2
319-84-6	alpha-BHC	36.2		2.5	1.3	0.73
5103-71-9	alpha-Chlordane	33.4		3.0	1.3	0.94
319-85-7	beta-BHC	33.4		3.5	1.3	1.1
319-86-8	delta-BHC	40.3		4.0	1.3	1.2
60-57-1	Dieldrin	35.1		1.7	0.67	0.47
959-98-8	Endosulfan I	25.3		1.7	0.67	0.52
1031-07-8	Endosulfan sulfate	37.2		3.0	1.3	0.87
72-20-8	Endrin	32.0		1.7	0.67	0.50
7421-93-4	Endrin aldehyde	33.5		3.0	1.3	1.0
53494-70-5	Endrin ketone	32.3		2.0	0.67	0.63
58-89-9	gamma-BHC (Lindane)	33.8		2.5	1.3	0.74
5103-74-2	gamma-Chlordane	33.1		1.7	0.67	0.42
76-44-8	Heptachlor	29.4		3.5	1.3	1.1
1024-57-3	Heptachlor epoxide	34.6		2.5	1.3	0.80
72-43-5	Methoxychlor	32.8		5.0	3.3	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	92		55-130
877-09-8	Tetrachloro-m-xylene	81		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112731.D
Lims ID: LCS 240-65759/18-A Client ID:
Inject. Date: 28-Nov-2012 15:36:12 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015316-031
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 31
Lims Batch ID: 66500 Lims Sample ID: 31
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:36 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.544	3.542	0.002	41028369	0.0170			
2	100	4.142	4.141	0.001	115395114	0.0162			
						RPD = 4.51			
5 alpha-BHC									
1	100	4.227	4.226	0.001	342811162	0.1082			
2	100	4.980	4.979	0.001	1080982441	0.1087			
						RPD = 0.52			
20 gamma-BHC (Lindane)									
1	100	4.607	4.606	0.001	290349045	0.1077			
2	100	5.549	5.548	0.001	840040880	0.1013			
						RPD = 6.12			
7 beta-BHC									
1	100	4.739	4.739	0.000	120505798	0.1011			
2	100	5.729	5.728	0.001	361343251	0.1002			
						RPD = 0.86			
11 delta-BHC									
1	100	4.958	4.957	0.001	302329469	0.1166			
2	100	6.294	6.292	0.002	956780306	0.1209			
						RPD = 3.65			
22 Heptachlor									
1	100	5.245	5.244	0.001	229667927	0.0942			
2	100	6.394	6.394	0.000	628848522	0.0881			
						RPD = 6.78			
4 Aldrin									
1	100	5.705	5.705	0.000	303559222	0.1023			
2	100	7.132	7.131	0.001	842579391	0.1026			
						RPD = 0.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.963	6.961	0.002	273050316	0.1108			
2	100	8.604	8.606	-0.002	709410091	0.1038			
						RPD = 6.45			
21 gamma-Chlordane									
1	100	7.276	7.275	0.001	278149828	0.1053			
2	100	9.027	9.026	0.001	692546118	0.0994			
						RPD = 5.76			
6 alpha-Chlordane									
1	100	7.625	7.624	0.001	272910172	0.1006			
2	100	9.334	9.336	-0.002	704352854	0.1001			
						RPD = 0.50			
14 Endosulfan I									
1	100	7.898	7.898	0.000	189026452	0.0812			
2	100	9.397	9.396	0.001	436874591	0.0758			
						RPD = 6.77			
2 4,4'-DDE									
1	100	7.997	7.997	0.000	290785094	0.1005			
2	100	9.788	9.788	0.000	723731085	0.1004			
						RPD = 0.04			
13 Dieldrin									
1	100	8.457	8.458	-0.001	264717054	0.1090			
2	100	9.927	9.927	0.000	665465343	0.1053			
						RPD = 3.39			
17 Endrin									
1	100	8.909	8.909	0.000	223931037	0.1003			
2	100	10.445	10.446	-0.001	558169523	0.0959			
						RPD = 4.43			
1 4,4'-DDD									
1	100	9.265	9.264	0.001	189726217	0.1059			
2	100	10.807	10.810	-0.003	904333203	0.0922			
						RPD = 13.82			
15 Endosulfan II									
1	100	9.354	9.355	-0.001	180987809	0.0853			
2	100	10.807	10.810	-0.003	904333203	0.0922			
						RPD = 7.72			
3 4,4'-DDT									
1	100	9.780	9.781	-0.001	155957667	0.1098			
2	100	11.293	11.293	0.000	362215278	0.1088			
						RPD = 0.94			
18 Endrin aldehyde									
1	100	10.143	10.142	0.001	165744818	0.1053			
2	100	11.384	11.385	-0.001	384615638	0.1005			
						RPD = 4.61			
27 Methoxychlor									
1	100	10.723	10.723	0.000	73538120	0.1082			
2	100	12.366	12.366	0.000	163782725	0.0985			
						RPD = 9.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.862	10.861	0.001	197703428	0.1145			
2	100	11.815	11.816	-0.001	481559737	0.1116			
						RPD = 2.52			
19 Endrin ketone									
1	100	11.261	11.260	0.001	188994880	0.0998			
2	100	12.553	12.552	0.001	425178505	0.0970			
						RPD = 2.91			
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.863	0.000	39962325	0.0194			
2	100	14.324	14.325	-0.001	87451866	0.0185			
						RPD = 4.76			

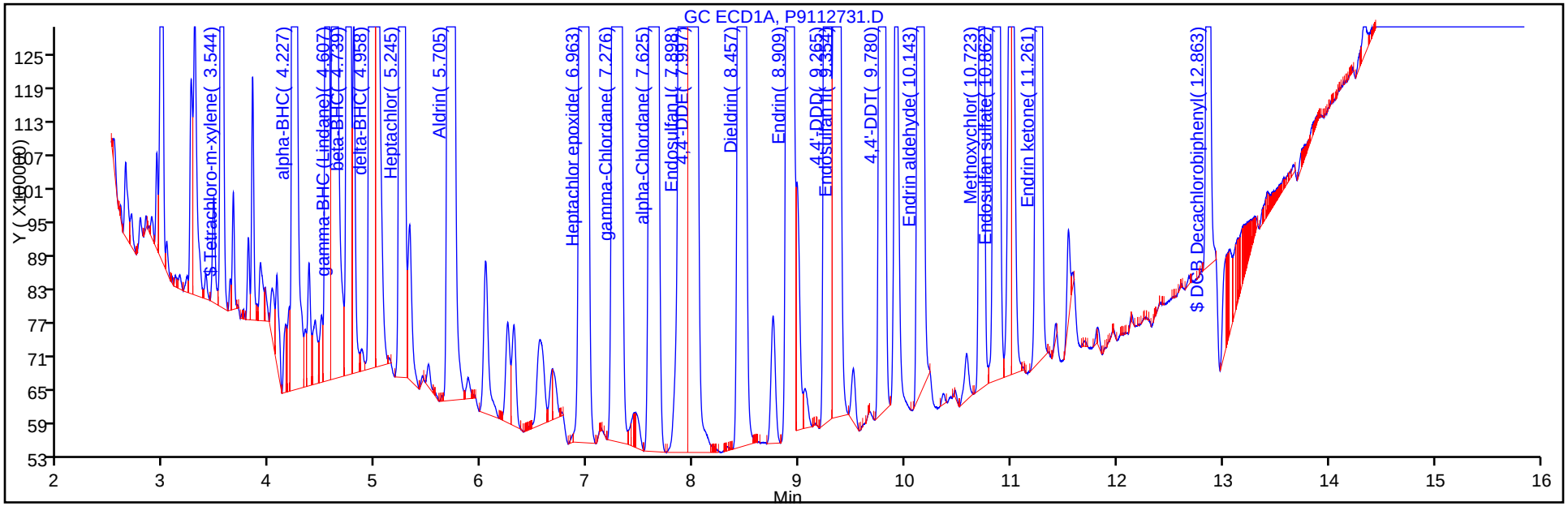
Report Date: 29-Nov-2012 11:21:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

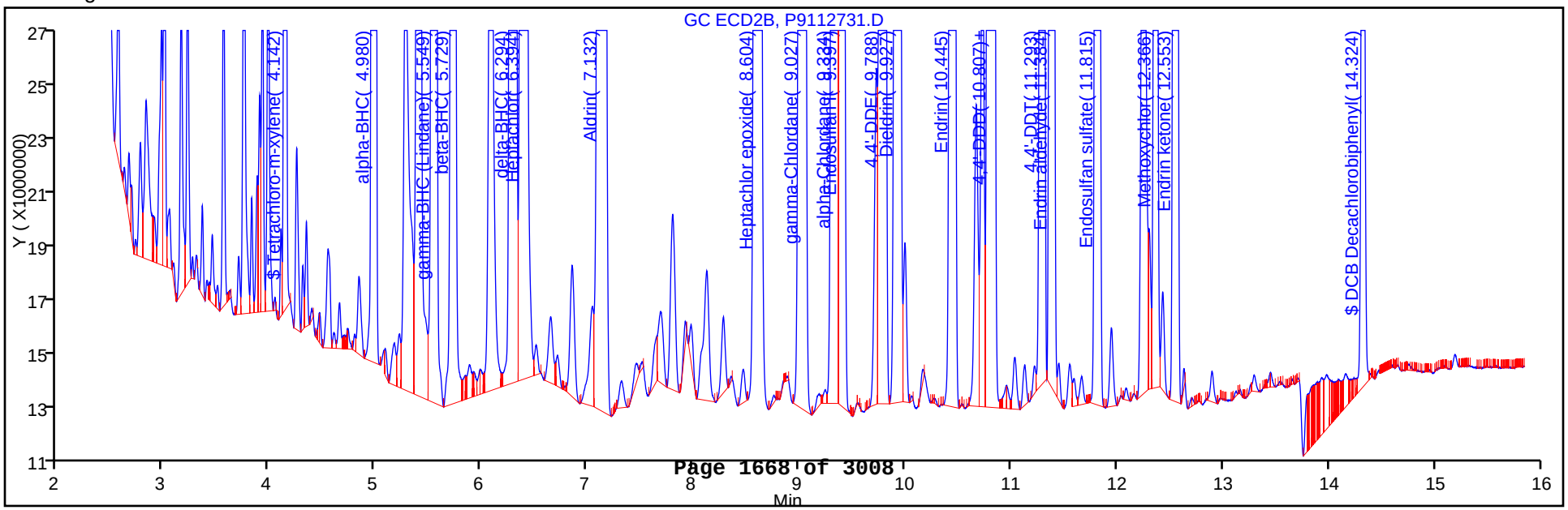
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112731.D

Injection Date:	28-Nov-2012 15:36:12	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	31
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66500/18

Matrix: Solid | Lab File ID: P9112718.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/28/2012 09:37

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00526*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00524*		*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00507*		*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00539*		*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00519*		*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00551*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00573*		*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00523*		*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00537*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00567*		*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00564*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00563*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00563*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00557*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00559*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00534*		*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00546*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00566*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00561*		*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00551*	*J*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112718.D
Lims ID: MRL Client ID:
Inject. Date: 28-Nov-2012 09:37:13 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015316-018
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 66500 Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:24 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:07:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.542						
2	100		4.140						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.225	4.225	0.000	16439220	0.005188			
2	100	4.979	4.978	0.001	48623783	0.004892			
						RPD = 5.88			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	14401689	0.005341			
2	100	5.548	5.547	0.001	44274291	0.005338			
						RPD = 0.06			
7 beta-BHC									
1	100	4.738	4.739	-0.001	6834216	0.005733			
2	100	5.728	5.726	0.002	21615924	0.005995			
						RPD = 4.47			
11 delta-BHC									
1	100	4.957	4.957	0.000	13552920	0.005226			
2	100	6.293	6.292	0.001	40563274	0.005126			
						RPD = 1.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100	5.243	5.243	0.000	13791484	0.005659			
2	100	6.394	6.394	0.000	41794261	0.005853			
						RPD = 3.36			
4 Aldrin									
1	100	5.705	5.705	0.000	15998660	0.005392			
2	100	7.131	7.130	0.001	44689880	0.005440			
						RPD = 0.88			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	13838167	0.005613			
2	100	8.605	8.603	0.002	39439476	0.005773			
						RPD = 2.81			
21 gamma-Chlordane									
1	100	7.276	7.275	0.001	14425315	0.005459			
2	100	9.028	9.024	0.004	38675289	0.005550			
						RPD = 1.64			
6 alpha-Chlordane									
1	100	7.624	7.623	0.001	14937534	0.005505			
2	100	9.334	9.334	0.000	40264404	0.005721			
						RPD = 3.85			
14 Endosulfan I									
1	100	7.898	7.896	0.002	13194044	0.005665			
2	100	9.396	9.396	0.000	34209034	0.005939			
						RPD = 4.73			
2 4,4'-DDE									
1	100	7.996	7.995	0.001	15159848	0.005237			
2	100	9.788	9.785	0.003	38889387	0.005396			
						RPD = 2.98			
13 Dieldrin									
1	100	8.458	8.455	0.003	13048736	0.005371			
2	100	9.928	9.926	0.002	35782111	0.005664			
						RPD = 5.30			
17 Endrin									
1	100	8.908	8.908	0.000	12579394	0.005633			
2	100	10.444	10.445	-0.001	32992313	0.005670			
						RPD = 0.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.264	9.263	0.001	9431638	0.005263			
2	100	10.811	10.810	0.001	54217919	0.005527			
						RPD = 4.88			
15 Endosulfan II									
1	100	9.354	9.353	0.001	11954465	0.005637			
2	100	10.811	10.810	0.001	54217919	0.005527			
						RPD = 1.97			
30 Toxaphene									1
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100	9.782	9.781	0.001	7195511	0.005067			
2	100	11.293	11.292	0.001	17486104	0.005252			
						RPD = 3.58			
18 Endrin aldehyde									
1	100	10.144	10.142	0.002	8764149	0.005567			
2	100	11.384	11.383	0.001	22578005	0.005902			
						RPD = 5.84			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.722	10.723	-0.001	3746114	0.005511			
2	100	12.366	12.365	0.001	9261898	0.005572			
						RPD = 1.10			
16 Endosulfan sulfate									
1	100	10.861	10.860	0.001	9719087	0.005627			
2	100	11.816	11.815	0.001	24055911	0.005576			
						RPD = 0.92			
19 Endrin ketone									
1	100	11.260	11.260	0.000	10584119	0.005592			
2	100	12.553	12.552	0.001	24362460	0.005557			
						RPD = 0.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.862						
2	100		14.325						

QC Flag Legend

Processing Flags
1 - Missing Peaks

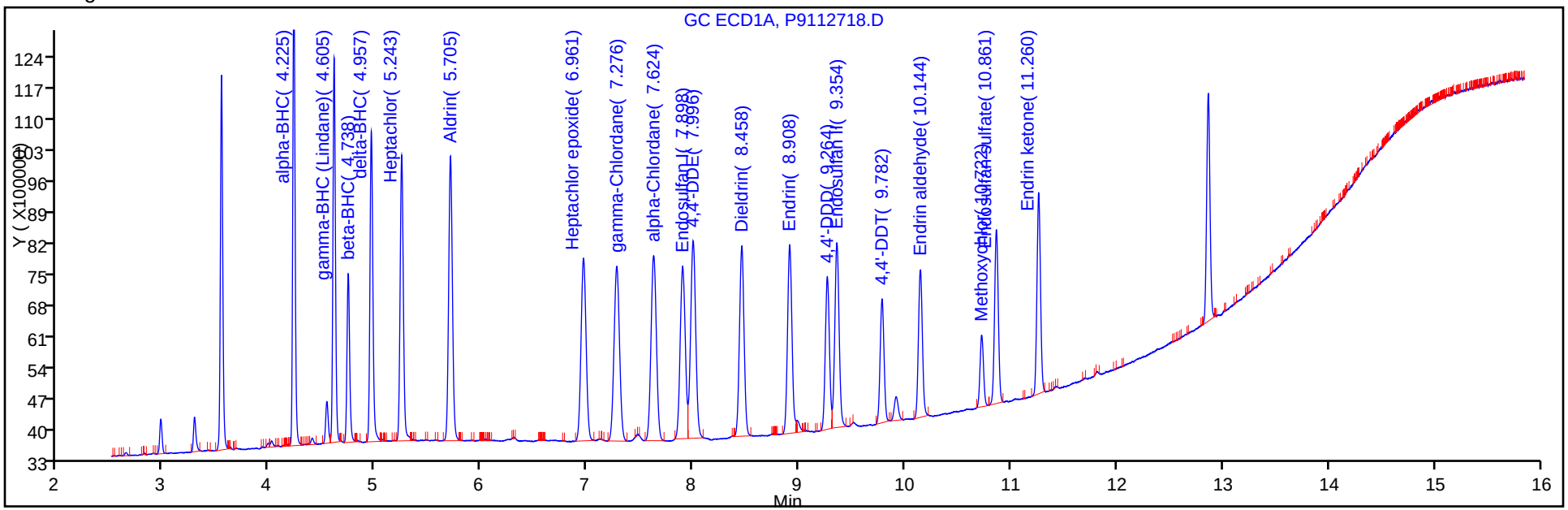
Report Date: 29-Nov-2012 11:21:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

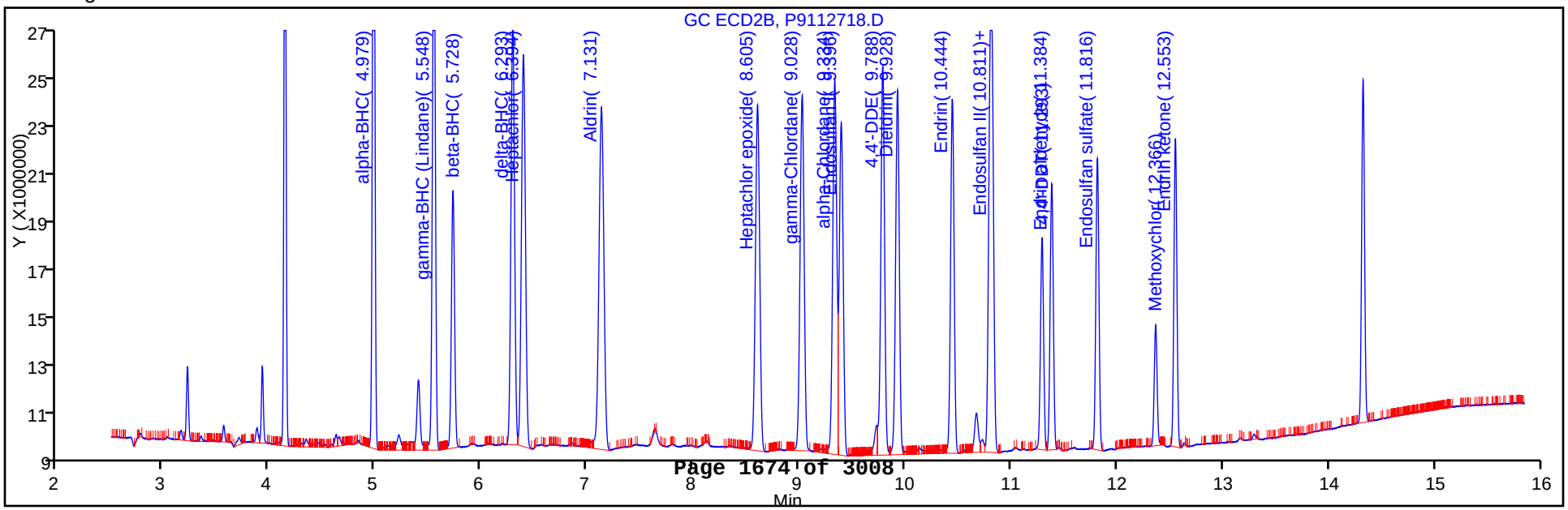
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112718.D

Injection Date:	28-Nov-2012 09:37:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	18
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66500/18

Matrix: Solid | Lab File ID: P9112718.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/28/2012 09:37

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00553		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00540		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00525		0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00544		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00489	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00572		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00600		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00513		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00566		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00594		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00553		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00558		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00567		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00590		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00556		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00534		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00555		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00585		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00577		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00557	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112718.D
Lims ID: MRL Client ID:
Inject. Date: 28-Nov-2012 09:37:13 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015316-018
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 66500 Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:24 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:07:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.542						
2	100		4.140						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.225	4.225	0.000	16439220	0.005188			
2	100	4.979	4.978	0.001	48623783	0.004892			
						RPD = 5.88			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	14401689	0.005341			
2	100	5.548	5.547	0.001	44274291	0.005338			
						RPD = 0.06			
7 beta-BHC									
1	100	4.738	4.739	-0.001	6834216	0.005733			
2	100	5.728	5.726	0.002	21615924	0.005995			
						RPD = 4.47			
11 delta-BHC									
1	100	4.957	4.957	0.000	13552920	0.005226			
2	100	6.293	6.292	0.001	40563274	0.005126			
						RPD = 1.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100	5.243	5.243	0.000	13791484	0.005659			
2	100	6.394	6.394	0.000	41794261	0.005853			
						RPD = 3.36			
4 Aldrin									
1	100	5.705	5.705	0.000	15998660	0.005392			
2	100	7.131	7.130	0.001	44689880	0.005440			
						RPD = 0.88			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	13838167	0.005613			
2	100	8.605	8.603	0.002	39439476	0.005773			
						RPD = 2.81			
21 gamma-Chlordane									
1	100	7.276	7.275	0.001	14425315	0.005459			
2	100	9.028	9.024	0.004	38675289	0.005550			
						RPD = 1.64			
6 alpha-Chlordane									
1	100	7.624	7.623	0.001	14937534	0.005505			
2	100	9.334	9.334	0.000	40264404	0.005721			
						RPD = 3.85			
14 Endosulfan I									
1	100	7.898	7.896	0.002	13194044	0.005665			
2	100	9.396	9.396	0.000	34209034	0.005939			
						RPD = 4.73			
2 4,4'-DDE									
1	100	7.996	7.995	0.001	15159848	0.005237			
2	100	9.788	9.785	0.003	38889387	0.005396			
						RPD = 2.98			
13 Dieldrin									
1	100	8.458	8.455	0.003	13048736	0.005371			
2	100	9.928	9.926	0.002	35782111	0.005664			
						RPD = 5.30			
17 Endrin									
1	100	8.908	8.908	0.000	12579394	0.005633			
2	100	10.444	10.445	-0.001	32992313	0.005670			
						RPD = 0.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.264	9.263	0.001	9431638	0.005263			
2	100	10.811	10.810	0.001	54217919	0.005527			
						RPD = 4.88			
15 Endosulfan II									
1	100	9.354	9.353	0.001	11954465	0.005637			
2	100	10.811	10.810	0.001	54217919	0.005527			
						RPD = 1.97			
30 Toxaphene									1
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100	9.782	9.781	0.001	7195511	0.005067			
2	100	11.293	11.292	0.001	17486104	0.005252			
						RPD = 3.58			
18 Endrin aldehyde									
1	100	10.144	10.142	0.002	8764149	0.005567			
2	100	11.384	11.383	0.001	22578005	0.005902			
						RPD = 5.84			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.722	10.723	-0.001	3746114	0.005511			
2	100	12.366	12.365	0.001	9261898	0.005572			
						RPD = 1.10			
16 Endosulfan sulfate									
1	100	10.861	10.860	0.001	9719087	0.005627			
2	100	11.816	11.815	0.001	24055911	0.005576			
						RPD = 0.92			
19 Endrin ketone									
1	100	11.260	11.260	0.000	10584119	0.005592			
2	100	12.553	12.552	0.001	24362460	0.005557			
						RPD = 0.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.862						
2	100		14.325						

QC Flag Legend

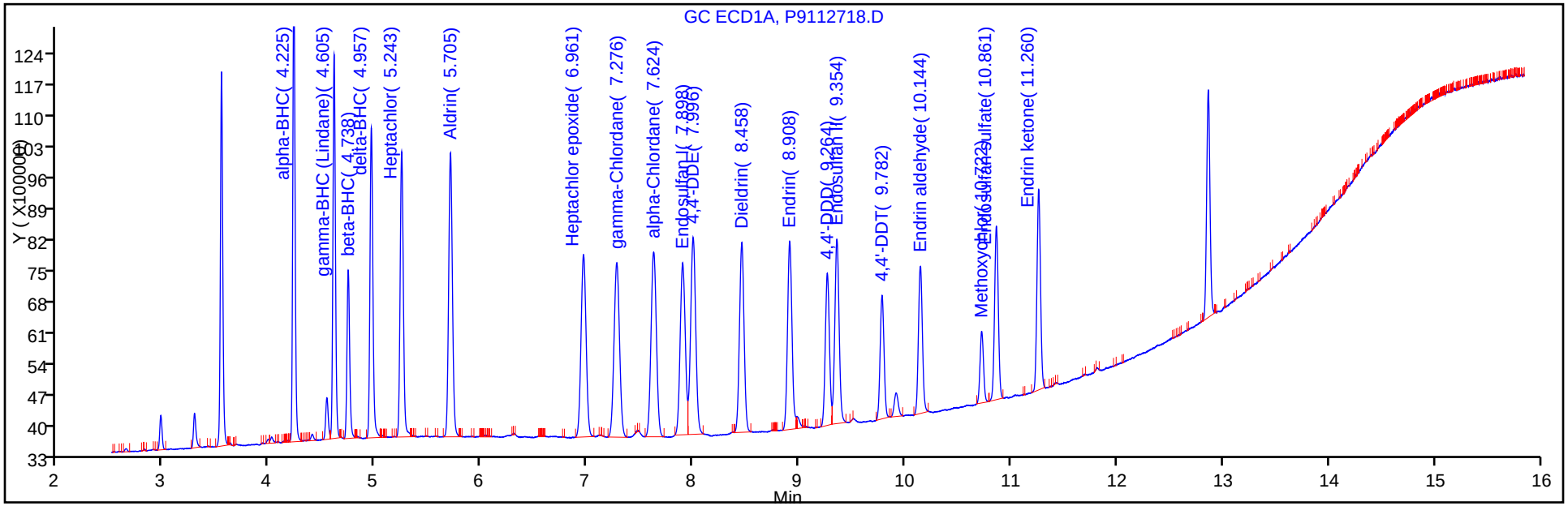
Processing Flags
1 - Missing Peaks

Report Date: 29-Nov-2012 11:21:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

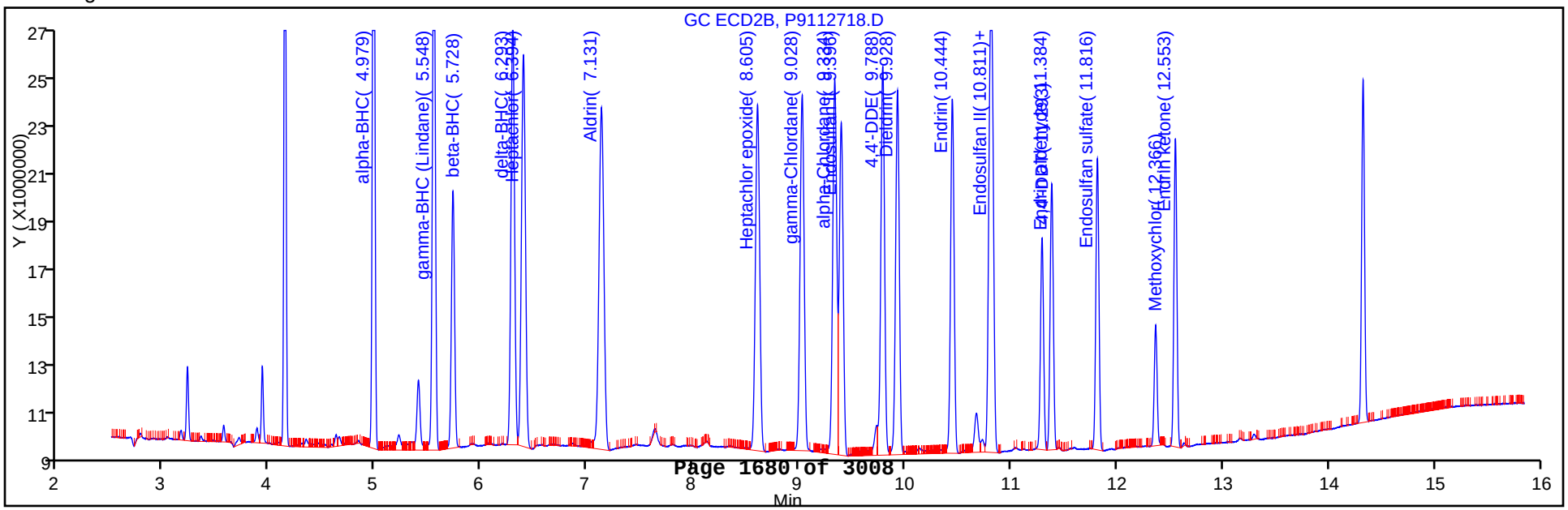
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112718.D		
Injection Date:	28-Nov-2012 09:37:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	18
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66500/56

Matrix: Solid | Lab File ID: P9112756.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 03:03

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00578*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00608*		*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00510*		*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00666*	^	*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00640*		*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00636*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00652*		*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00596*		*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00605*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00611*		*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00597*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00629*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00582*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00582*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00611*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00607*		*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00626*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00570*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00633*		*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00591*	*J*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112756.D
Lims ID: MRL Client ID:
Inject. Date: 29-Nov-2012 03:03:52 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015316-056
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 56
Lims Batch ID: 66500 Lims Sample ID: 56
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:22:01 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:18:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.539						
2	100		4.139						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.225	4.224	0.001	20276666	0.006399			
2	100	4.978	4.979	-0.001	58775837	0.005913			
						RPD = 7.90			
20 gamma-BHC (Lindane)									
1	100	4.604	4.604	0.000	16370204	0.006071			
2	100	5.547	5.548	-0.001	48019707	0.005790			
						RPD = 4.75			
7 beta-BHC									
1	100	4.738	4.738	0.000	7769508	0.006517			
2	100	5.727	5.727	0.000	24048282	0.006670			
						RPD = 2.31			
11 delta-BHC									
1	100	4.957	4.955	0.002	15458925	0.005961			
2	100	6.293	6.293	0.000	44821150	0.005664			
						RPD = 5.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100	5.243	5.243	0.000	13900977	0.005704			
2	100	6.393	6.394	-0.001	41094994	0.005755			
						RPD = 0.89			
4 Aldrin									
1	100	5.704	5.704	0.000	19773704	0.006664			
2	100	7.132	7.131	0.001	53950491	0.006567			
						RPD = 1.47			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.962	6.961	0.001	15610588	0.006332			
2	100	8.605	8.606	-0.001	43401357	0.006353			
						RPD = 0.33			
21 gamma-Chlordane									
1	100	7.276	7.275	0.001	16552656	0.006264			
2	100	9.026	9.026	0.000	43443260	0.006234			
						RPD = 0.49			
6 alpha-Chlordane									
1	100	7.625	7.624	0.001	17270022	0.006365			
2	100	9.333	9.335	-0.002	44406881	0.006310			
						RPD = 0.87			
14 Endosulfan I									
1	100	7.898	7.899	-0.001	14233116	0.006111			
2	100	9.396	9.396	0.000	35219598	0.006115			
						RPD = 0.06			
2 4,4'-DDE									
1	100	7.997	7.996	0.001	17591960	0.006078			
2	100	9.786	9.787	-0.001	42705431	0.005926			
						RPD = 2.53			
13 Dieldrin									
1	100	8.454	8.454	0.000	14692225	0.006048			
2	100	9.925	9.926	-0.001	38284902	0.006060			
						RPD = 0.20			
17 Endrin									
1	100	8.908	8.908	0.000	13001218	0.005822			
2	100	10.443	10.445	-0.002	32808991	0.005639			
						RPD = 3.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.264	9.262	0.002	10358292	0.005781			
2	100	10.808	10.809	-0.001	56391267	0.005749			
						RPD = 0.56			
15 Endosulfan II									
1	100	9.353	9.353	0.000	12662771	0.005971			
2	100	10.808	10.809	-0.001	56391267	0.005749			
						RPD = 3.79			
30 Toxaphene									1
1	100		9.483						
1	2		10.023						
1	3		10.091						
1	4		10.671						
1	5		11.233						
2	100		10.382						
2	2		11.399						
2	3		11.746						
2	4		12.148						
2	5		12.535						
3 4,4'-DDT									
1	100	9.781	9.779	0.002	7249599	0.005105			
2	100	11.292	11.292	0.000	17114448	0.005140			
						RPD = 0.69			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	9162956	0.005820			
2	100	11.382	11.384	-0.002	22405854	0.005857			
						RPD = 0.63			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.722	10.721	0.001	4013905	0.005905			
2	100	12.364	12.365	-0.001	9637592	0.005798			
						RPD = 1.83			
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	10869223	0.006293			
2	100	11.813	11.814	-0.001	25846993	0.005991			
						RPD = 4.92			
19 Endrin ketone									
1	100	11.259	11.260	-0.001	11566580	0.006111			
2	100	12.551	12.552	-0.001	25418945	0.005798			
						RPD = 5.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.860						
2	100		14.324						

QC Flag Legend

Processing Flags
1 - Missing Peaks

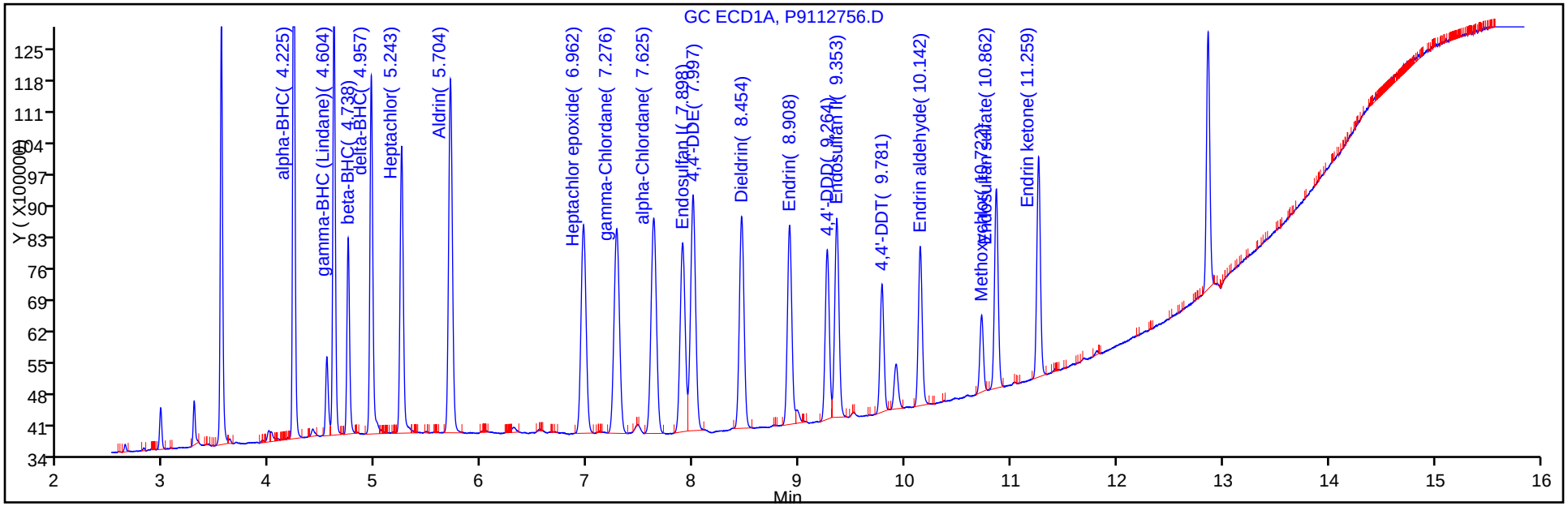
Report Date: 29-Nov-2012 11:22:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

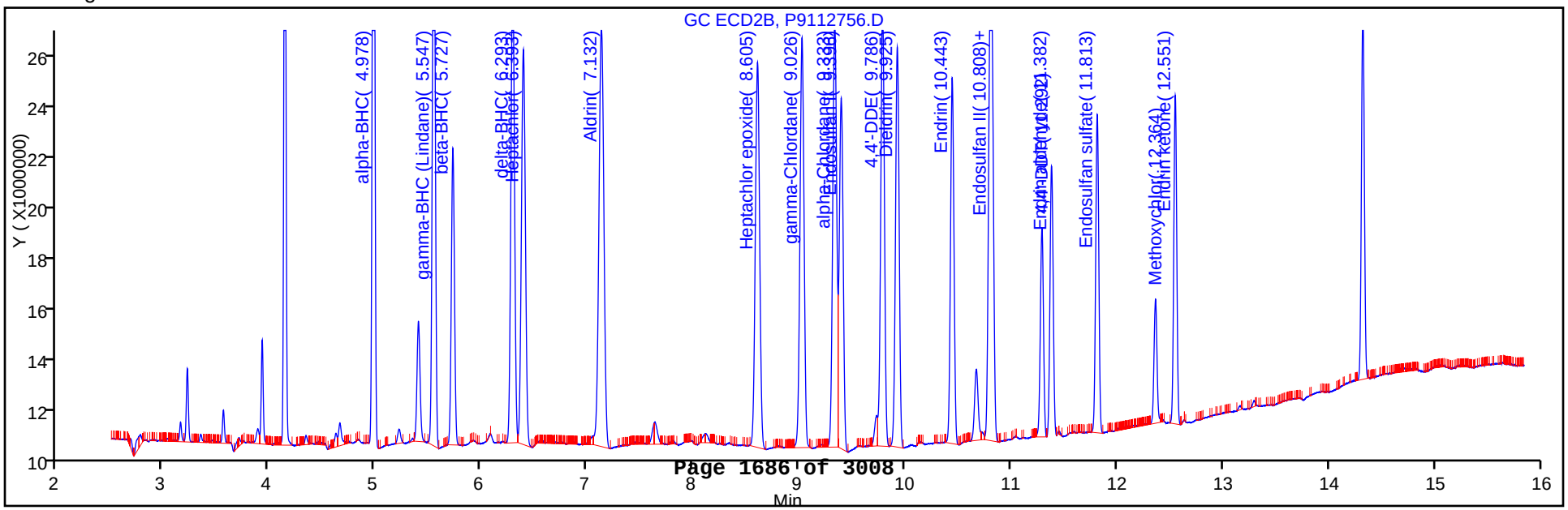
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112756.D

Injection Date:	29-Nov-2012 03:03:52	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	56
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66500/56

Matrix: Solid | Lab File ID: P9112756.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 03:03

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00575		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00593		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00514		0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00657	^	0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00591		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00631		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00667	^	0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00566		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00606		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00611		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00575		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00599		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00564		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00586		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00580		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00579		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00623		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00576		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00635		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00580	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112756.D
Lims ID: MRL Client ID:
Inject. Date: 29-Nov-2012 03:03:52 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015316-056
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 56
Lims Batch ID: 66500 Lims Sample ID: 56
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:22:01 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:18:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.539						
2	100		4.139						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.225	4.224	0.001	20276666	0.006399			
2	100	4.978	4.979	-0.001	58775837	0.005913			
						RPD = 7.90			
20 gamma-BHC (Lindane)									
1	100	4.604	4.604	0.000	16370204	0.006071			
2	100	5.547	5.548	-0.001	48019707	0.005790			
						RPD = 4.75			
7 beta-BHC									
1	100	4.738	4.738	0.000	7769508	0.006517			
2	100	5.727	5.727	0.000	24048282	0.006670			
						RPD = 2.31			
11 delta-BHC									
1	100	4.957	4.955	0.002	15458925	0.005961			
2	100	6.293	6.293	0.000	44821150	0.005664			
						RPD = 5.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100	5.243	5.243	0.000	13900977	0.005704			
2	100	6.393	6.394	-0.001	41094994	0.005755			
						RPD = 0.89			
4 Aldrin									
1	100	5.704	5.704	0.000	19773704	0.006664			
2	100	7.132	7.131	0.001	53950491	0.006567			
						RPD = 1.47			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.962	6.961	0.001	15610588	0.006332			
2	100	8.605	8.606	-0.001	43401357	0.006353			
						RPD = 0.33			
21 gamma-Chlordane									
1	100	7.276	7.275	0.001	16552656	0.006264			
2	100	9.026	9.026	0.000	43443260	0.006234			
						RPD = 0.49			
6 alpha-Chlordane									
1	100	7.625	7.624	0.001	17270022	0.006365			
2	100	9.333	9.335	-0.002	44406881	0.006310			
						RPD = 0.87			
14 Endosulfan I									
1	100	7.898	7.899	-0.001	14233116	0.006111			
2	100	9.396	9.396	0.000	35219598	0.006115			
						RPD = 0.06			
2 4,4'-DDE									
1	100	7.997	7.996	0.001	17591960	0.006078			
2	100	9.786	9.787	-0.001	42705431	0.005926			
						RPD = 2.53			
13 Dieldrin									
1	100	8.454	8.454	0.000	14692225	0.006048			
2	100	9.925	9.926	-0.001	38284902	0.006060			
						RPD = 0.20			
17 Endrin									
1	100	8.908	8.908	0.000	13001218	0.005822			
2	100	10.443	10.445	-0.002	32808991	0.005639			
						RPD = 3.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.264	9.262	0.002	10358292	0.005781			
2	100	10.808	10.809	-0.001	56391267	0.005749			
						RPD = 0.56			
15 Endosulfan II									
1	100	9.353	9.353	0.000	12662771	0.005971			
2	100	10.808	10.809	-0.001	56391267	0.005749			
						RPD = 3.79			
30 Toxaphene									1
1	100		9.483						
1	2		10.023						
1	3		10.091						
1	4		10.671						
1	5		11.233						
2	100		10.382						
2	2		11.399						
2	3		11.746						
2	4		12.148						
2	5		12.535						
3 4,4'-DDT									
1	100	9.781	9.779	0.002	7249599	0.005105			
2	100	11.292	11.292	0.000	17114448	0.005140			
						RPD = 0.69			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	9162956	0.005820			
2	100	11.382	11.384	-0.002	22405854	0.005857			
						RPD = 0.63			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.722	10.721	0.001	4013905	0.005905			
2	100	12.364	12.365	-0.001	9637592	0.005798			
						RPD = 1.83			
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	10869223	0.006293			
2	100	11.813	11.814	-0.001	25846993	0.005991			
						RPD = 4.92			
19 Endrin ketone									
1	100	11.259	11.260	-0.001	11566580	0.006111			
2	100	12.551	12.552	-0.001	25418945	0.005798			
						RPD = 5.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.860						
2	100		14.324						

QC Flag Legend

Processing Flags
1 - Missing Peaks

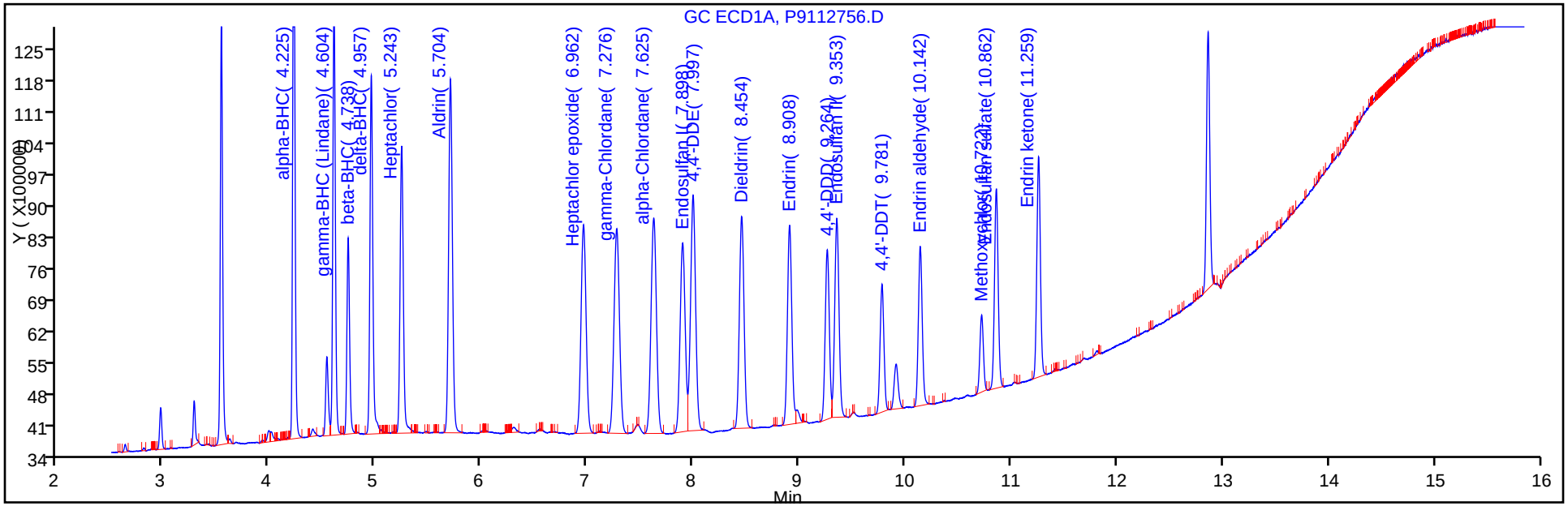
Report Date: 29-Nov-2012 11:22:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

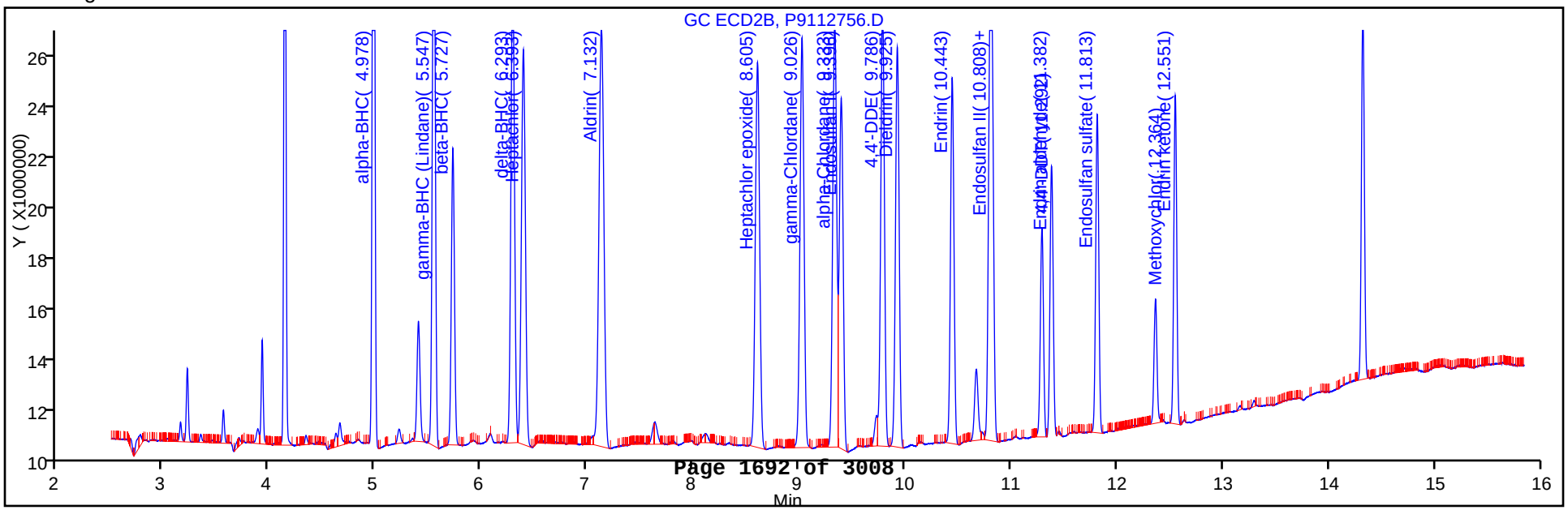
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112756.D

Injection Date:	29-Nov-2012 03:03:52	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	56
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66829/8

Matrix: Solid | Lab File ID: P9112908.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 18:02

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66829 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00530*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00541*		*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00471*	*J*	*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00541*		*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00513*		*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00547*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00557*		*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00471*	*J*	*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00542*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00564*		*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00584*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00535*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00561*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00571*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00580*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00521*		*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00538*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00557*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00558*		*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00539*	*J*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112908.D
Lims ID: MRL Client ID:
Inject. Date: 29-Nov-2012 18:02:45 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015403-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 66829 Lims Sample ID: 8
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:15:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.540						
2	100		4.140						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.223	4.224	-0.001	16257211	0.005131			
2	100	4.977	4.977	0.000	47937267	0.004823			
						RPD = 6.19			
20 gamma-BHC (Lindane)									
1	100	4.603	4.605	-0.002	14037296	0.005206			
2	100	5.547	5.546	0.001	42519505	0.005127			
						RPD = 1.54			
7 beta-BHC									
1	100	4.737	4.738	-0.001	6636072	0.005567			
2	100	5.727	5.726	0.001	21038932	0.005835			
						RPD = 4.71			
11 delta-BHC									
1	100	4.955	4.956	-0.001	12227345	0.004715			
2	100	6.291	6.290	0.001	36556067	0.004620			
						RPD = 2.03			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.127						
1	2		6.000						
1	3		7.272						
1	4		7.617						
2	100		6.089						
2	2		7.622						
2	3		9.024						
2	4		9.332						
22 Heptachlor									
1	100	5.242	5.242	0.000	13563427	0.005566			
2	100	6.392	6.391	0.001	41474954	0.005808			
						RPD = 4.26			
4 Aldrin									
1	100	5.703	5.703	0.000	16038691	0.005406			
2	100	7.128	7.127	0.001	43255659	0.005265			
						RPD = 2.63			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.958	6.960	-0.002	13746102	0.005576			
2	100	8.602	8.601	0.001	38427289	0.005625			
						RPD = 0.87			
21 gamma-Chlordane									
1	100	7.272	7.273	-0.001	14214660	0.005380			
2	100	9.025	9.024	0.001	37741508	0.005416			
						RPD = 0.67			
6 alpha-Chlordane									
1	100	7.622	7.623	-0.001	14837903	0.005468			
2	100	9.334	9.331	0.003	38198131	0.005427			
						RPD = 0.75			
14 Endosulfan I									
1	100	7.896	7.895	0.001	13140650	0.005642			
2	100	9.394	9.392	0.002	33119830	0.005750			
						RPD = 1.90			
2 4,4'-DDE									
1	100	7.995	7.996	-0.001	15657288	0.005409			
2	100	9.787	9.785	0.002	38296692	0.005314			
						RPD = 1.78			
13 Dieldrin									
1	100	8.454	8.455	-0.001	13173934	0.005423			
2	100	9.924	9.924	0.000	34604244	0.005477			
						RPD = 1.00			
17 Endrin									
1	100	8.909	8.908	0.001	12532491	0.005612			
2	100	10.444	10.444	0.000	31973647	0.005495			
						RPD = 2.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.264	9.265	-0.001	9489764	0.005296			
2	100	10.812	10.809	0.003	53030473	0.005406			
						RPD = 2.06			
15 Endosulfan II									
1	100	9.353	9.354	-0.001	12390208	0.005842			
2	100	10.812	10.809	0.003	53030473	0.005406			
						RPD = 7.76			
30 Toxaphene									1
1	100		9.483						
1	2		10.024						
1	3		10.090						
1	4		10.671						
1	5		11.234						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.149						
2	5		12.534						
3 4,4'-DDT									
1	100	9.782	9.781	0.001	6687455	0.004709			
2	100	11.292	11.291	0.001	16064987	0.004825			
						RPD = 2.43			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	8994996	0.005713			
2	100	11.382	11.382	0.000	22495618	0.005880			
						RPD = 2.88			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.723	10.723	0.000	3664630	0.005391			
2	100	12.365	12.365	0.000	8918988	0.005366			
						RPD = 0.47			
16 Endosulfan sulfate									
1	100	10.860	10.861	-0.001	9245158	0.005353			
2	100	11.813	11.813	0.000	22667021	0.005254			
						RPD = 1.86			
19 Endrin ketone									
1	100	11.259	11.260	-0.001	10979861	0.005801			
2	100	12.552	12.551	0.001	25123612	0.005731			
						RPD = 1.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.862						
2	100		14.324						

QC Flag Legend

Processing Flags
1 - Missing Peaks

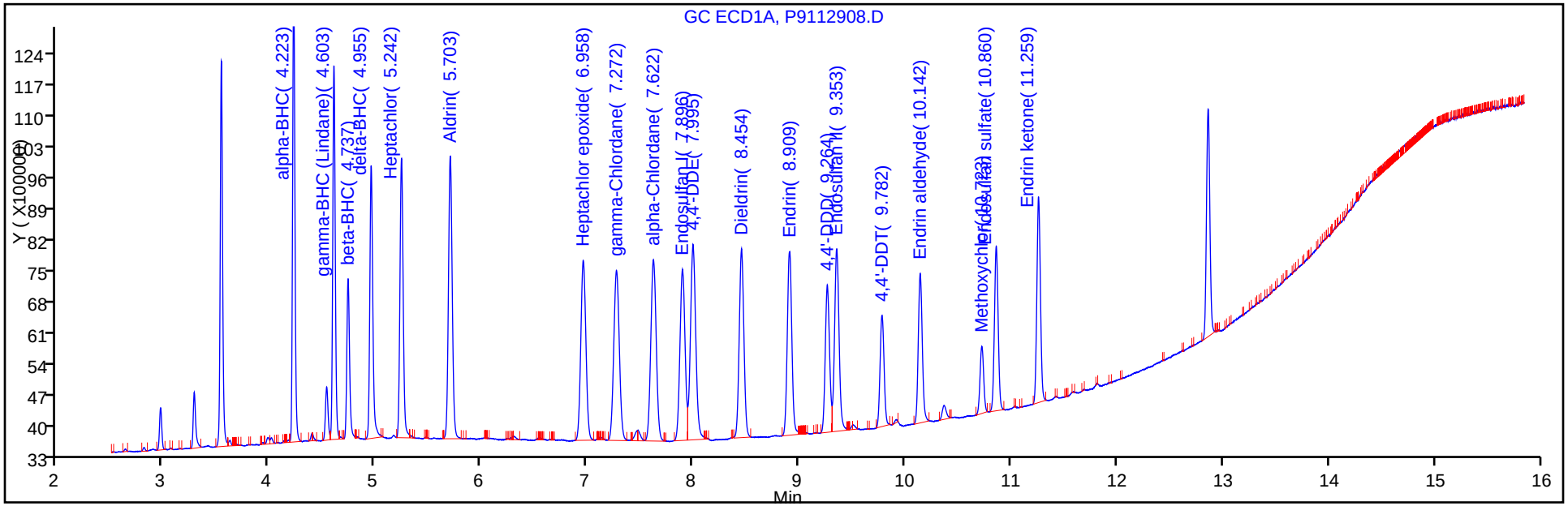
Report Date: 30-Nov-2012 12:11:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

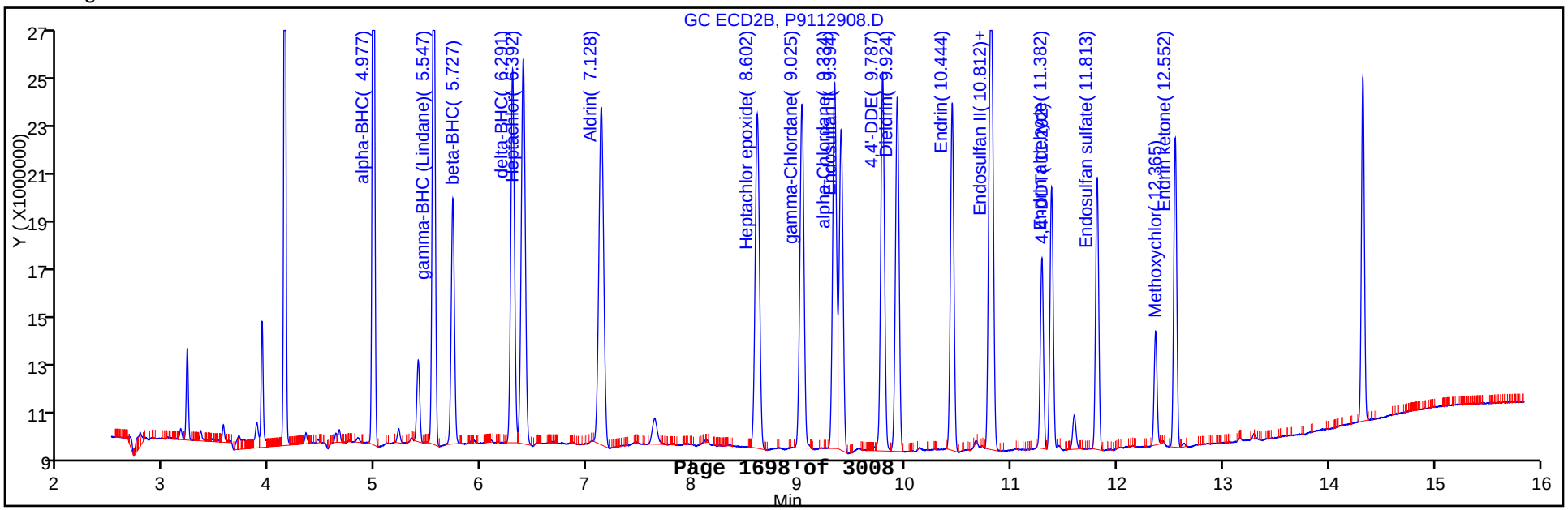
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112908.D

Injection Date:	29-Nov-2012 18:02:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66829/8

Matrix: Solid | Lab File ID: P9112908.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 18:02

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66829 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00541		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00531		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00482	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00527		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00482	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00543		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00584		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00462	J	0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00548		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00575		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00541		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00525		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00550		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00588		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00573		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00513		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00542		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00581		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00562		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00537	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112908.D
Lims ID: MRL Client ID:
Inject. Date: 29-Nov-2012 18:02:45 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015403-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 66829 Lims Sample ID: 8
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:15:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.540						
2	100		4.140						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.223	4.224	-0.001	16257211	0.005131			
2	100	4.977	4.977	0.000	47937267	0.004823			
						RPD = 6.19			
20 gamma-BHC (Lindane)									
1	100	4.603	4.605	-0.002	14037296	0.005206			
2	100	5.547	5.546	0.001	42519505	0.005127			
						RPD = 1.54			
7 beta-BHC									
1	100	4.737	4.738	-0.001	6636072	0.005567			
2	100	5.727	5.726	0.001	21038932	0.005835			
						RPD = 4.71			
11 delta-BHC									
1	100	4.955	4.956	-0.001	12227345	0.004715			
2	100	6.291	6.290	0.001	36556067	0.004620			
						RPD = 2.03			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.127						
1	2		6.000						
1	3		7.272						
1	4		7.617						
2	100		6.089						
2	2		7.622						
2	3		9.024						
2	4		9.332						
22 Heptachlor									
1	100	5.242	5.242	0.000	13563427	0.005566			
2	100	6.392	6.391	0.001	41474954	0.005808			
						RPD = 4.26			
4 Aldrin									
1	100	5.703	5.703	0.000	16038691	0.005406			
2	100	7.128	7.127	0.001	43255659	0.005265			
						RPD = 2.63			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.958	6.960	-0.002	13746102	0.005576			
2	100	8.602	8.601	0.001	38427289	0.005625			
						RPD = 0.87			
21 gamma-Chlordane									
1	100	7.272	7.273	-0.001	14214660	0.005380			
2	100	9.025	9.024	0.001	37741508	0.005416			
						RPD = 0.67			
6 alpha-Chlordane									
1	100	7.622	7.623	-0.001	14837903	0.005468			
2	100	9.334	9.331	0.003	38198131	0.005427			
						RPD = 0.75			
14 Endosulfan I									
1	100	7.896	7.895	0.001	13140650	0.005642			
2	100	9.394	9.392	0.002	33119830	0.005750			
						RPD = 1.90			
2 4,4'-DDE									
1	100	7.995	7.996	-0.001	15657288	0.005409			
2	100	9.787	9.785	0.002	38296692	0.005314			
						RPD = 1.78			
13 Dieldrin									
1	100	8.454	8.455	-0.001	13173934	0.005423			
2	100	9.924	9.924	0.000	34604244	0.005477			
						RPD = 1.00			
17 Endrin									
1	100	8.909	8.908	0.001	12532491	0.005612			
2	100	10.444	10.444	0.000	31973647	0.005495			
						RPD = 2.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.264	9.265	-0.001	9489764	0.005296			
2	100	10.812	10.809	0.003	53030473	0.005406			
						RPD = 2.06			
15 Endosulfan II									
1	100	9.353	9.354	-0.001	12390208	0.005842			
2	100	10.812	10.809	0.003	53030473	0.005406			
						RPD = 7.76			
30 Toxaphene									1
1	100		9.483						
1	2		10.024						
1	3		10.090						
1	4		10.671						
1	5		11.234						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.149						
2	5		12.534						
3 4,4'-DDT									
1	100	9.782	9.781	0.001	6687455	0.004709			
2	100	11.292	11.291	0.001	16064987	0.004825			
						RPD = 2.43			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	8994996	0.005713			
2	100	11.382	11.382	0.000	22495618	0.005880			
						RPD = 2.88			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.723	10.723	0.000	3664630	0.005391			
2	100	12.365	12.365	0.000	8918988	0.005366			
						RPD = 0.47			
16 Endosulfan sulfate									
1	100	10.860	10.861	-0.001	9245158	0.005353			
2	100	11.813	11.813	0.000	22667021	0.005254			
						RPD = 1.86			
19 Endrin ketone									
1	100	11.259	11.260	-0.001	10979861	0.005801			
2	100	12.552	12.551	0.001	25123612	0.005731			
						RPD = 1.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.862						
2	100		14.324						

QC Flag Legend

Processing Flags
1 - Missing Peaks

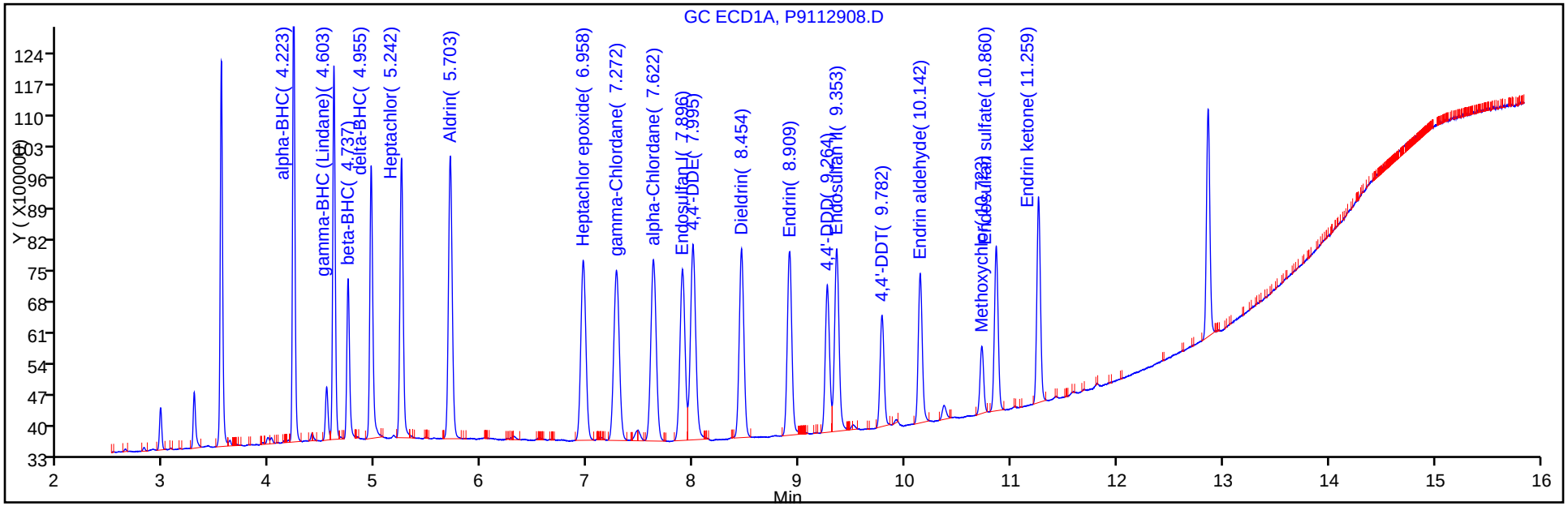
Report Date: 30-Nov-2012 12:11:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

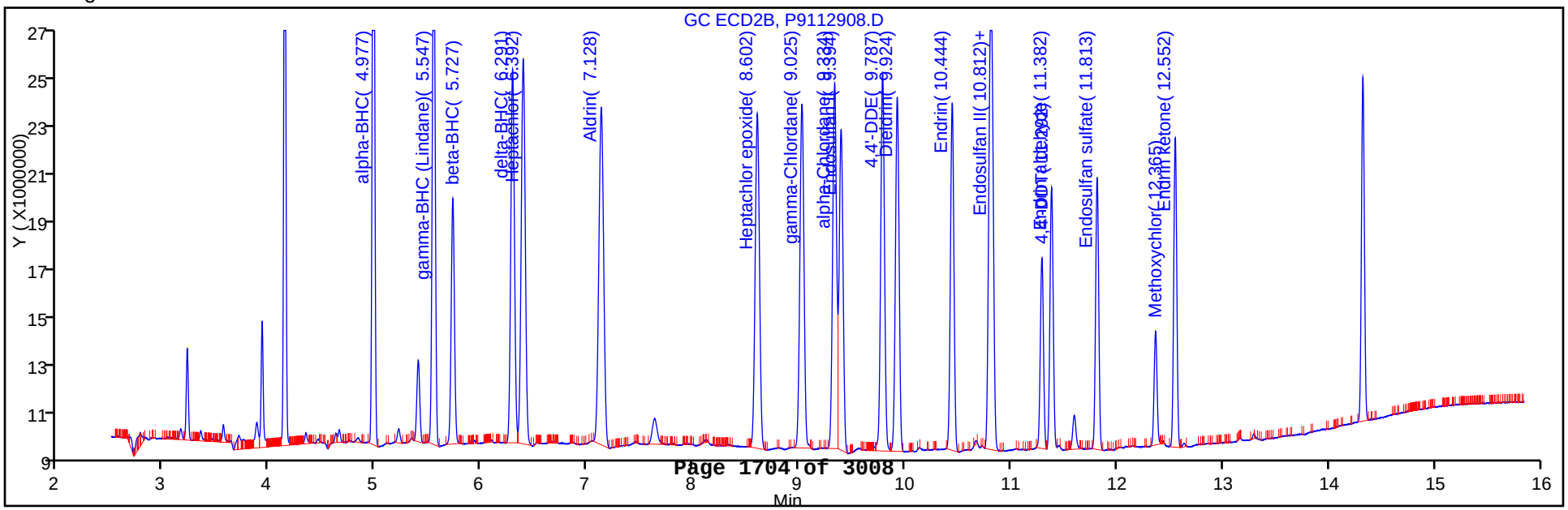
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112908.D

Injection Date:	29-Nov-2012 18:02:45	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66829/18

Matrix: Solid | Lab File ID: P9112918.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 22:31

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66829 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00632*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00628*		*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00467*	*J*	*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00644*		*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00612*		*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00651*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00666*	^	*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00620*		*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00656*	^	*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00678*	^	*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00616*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00582*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00660*	^	*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00569*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00536*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00558*		*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00630*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00589*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00683*	^	*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00525*	*J*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112918.D
Lims ID: MRL Client ID:
Inject. Date: 29-Nov-2012 22:31:48 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015403-018
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 66829 Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:21 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:19:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.542						
2	100		4.141						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.225	4.225	0.000	19378246	0.006116			
2	100	4.977	4.978	-0.001	56521432	0.005686			
						RPD = 7.28			
20 gamma-BHC (Lindane)									
1	100	4.604	4.606	-0.002	15036384	0.005577			
2	100	5.545	5.547	-0.002	44873963	0.005411			
						RPD = 3.02			
7 beta-BHC									
1	100	4.737	4.739	-0.002	7939092	0.006660			
2	100	5.726	5.727	-0.001	24702345	0.006851			
						RPD = 2.84			
11 delta-BHC									
1	100	4.956	4.957	-0.001	16067426	0.006196			
2	100	6.290	6.293	-0.003	47687214	0.006027			
						RPD = 2.76			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.127						
1	2		6.000						
1	3		7.272						
1	4		7.617						
2	100		6.089						
2	2		7.622						
2	3		9.024						
2	4		9.332						
22 Heptachlor									
1	100	5.243	5.243	0.000	14350041	0.005889			
2	100	6.391	6.394	-0.003	42366924	0.005933			
						RPD = 0.75			
4 Aldrin									
1	100	5.703	5.705	-0.002	19115732	0.006443			
2	100	7.129	7.130	-0.001	51002536	0.006208			
						RPD = 3.70			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.960	6.961	-0.001	16845120	0.006833			
2	100	8.602	8.604	-0.002	46152923	0.006756			
						RPD = 1.14			
21 gamma-Chlordane									
1	100	7.272	7.275	-0.003	16636749	0.006296			
2	100	9.025	9.024	0.001	43014189	0.006172			
						RPD = 1.99			
6 alpha-Chlordane									
1	100	7.622	7.622	0.000	17658566	0.006508			
2	100	9.333	9.332	0.001	46445605	0.006599			
						RPD = 1.40			
14 Endosulfan I									
1	100	7.897	7.897	0.000	15785397	0.006778			
2	100	9.395	9.394	0.001	38374113	0.006662			
						RPD = 1.72			
2 4,4'-DDE									
1	100	7.995	7.996	-0.001	18163980	0.006275			
2	100	9.785	9.787	-0.002	42878644	0.005950			
						RPD = 5.33			
13 Dieldrin									
1	100	8.454	8.454	0.000	15938300	0.006561			
2	100	9.924	9.926	-0.002	39448693	0.006244			
						RPD = 4.94			
17 Endrin									
1	100	8.906	8.908	-0.002	14749918	0.006605			
2	100	10.444	10.443	0.001	36117291	0.006207			
						RPD = 6.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.262	9.264	-0.002	11332433	0.006324			
2	100	10.808	10.808	0.000	59382059	0.006053			
						RPD = 4.38			
15 Endosulfan II									
1	100	9.352	9.353	-0.001	13064425	0.006160			
2	100	10.808	10.808	0.000	59382059	0.006053			
						RPD = 1.75			
30 Toxaphene									
1	100		9.483						
1	2		10.024						
1	3		10.090						
1	4		10.671						
1	5		11.234						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.149						
2	5		12.534						
3 4,4'-DDT									
1	100	9.780	9.781	-0.001	6627528	0.004667			
2	100	11.291	11.291	0.000	15129437	0.004544			
						RPD = 2.67			
18 Endrin aldehyde									
1	100	10.140	10.142	-0.002	8959038	0.005690			
2	100	11.382	11.382	0.000	22002652	0.005751			
						RPD = 1.06			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.722	10.722	0.000	3568061	0.005249			
2	100	12.365	12.364	0.001	7911527	0.004760			
						RPD = 9.78			
16 Endosulfan sulfate									
1	100	10.859	10.861	-0.002	10045391	0.005816			
2	100	11.814	11.814	0.000	24150942	0.005598			
						RPD = 3.82			
19 Endrin ketone									
1	100	11.260	11.260	0.000	10153593	0.005364			
2	100	12.550	12.551	-0.001	22324066	0.005092			
						RPD = 5.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.861						
2	100		14.324						

QC Flag Legend

Processing Flags
1 - Missing Peaks

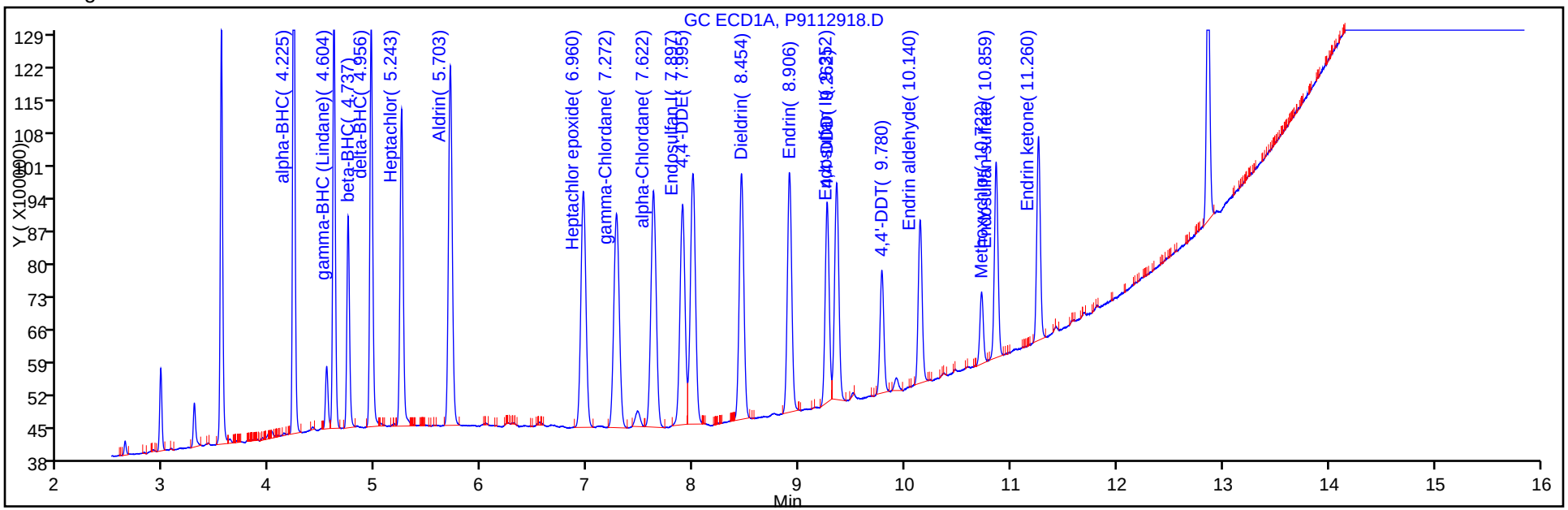
Report Date: 30-Nov-2012 12:11:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

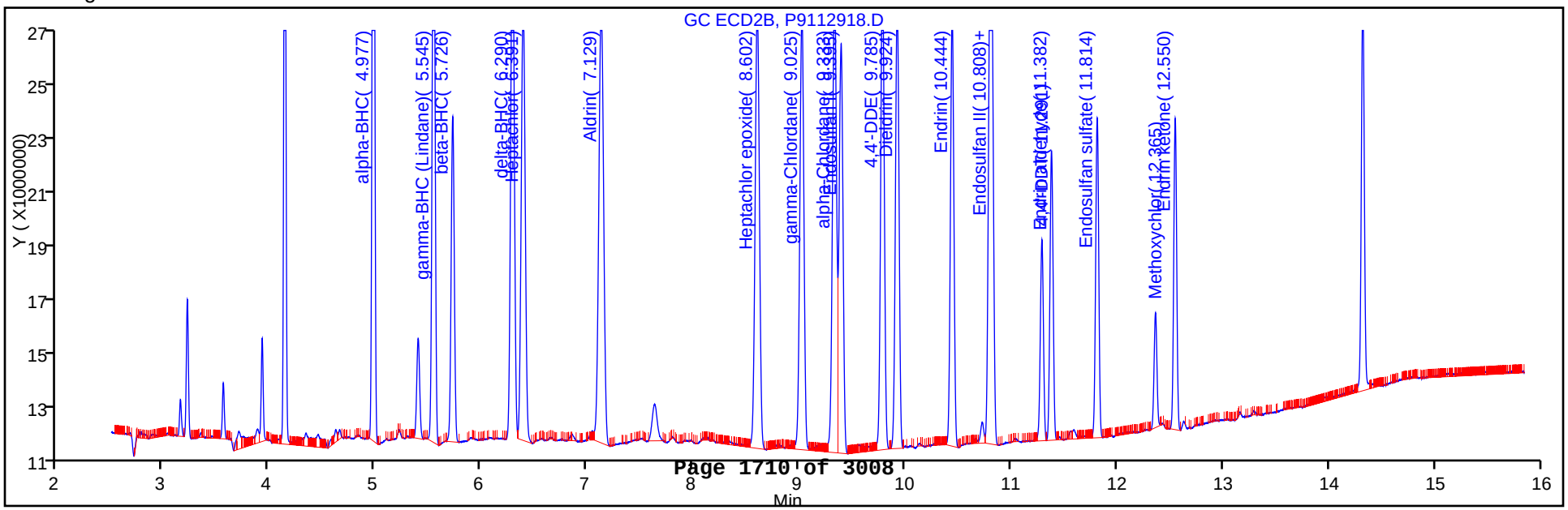
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112918.D

Injection Date:	29-Nov-2012 22:31:48	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	18
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66829/18

Matrix: Solid | Lab File ID: P9112918.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 22:31

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66829 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00605		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00595		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00454	J	0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00621		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00569		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00660	^	0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00685	^	0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00603		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00624		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00666	^	0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00605		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00560		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00621		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00575		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00509		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00541		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00617		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00593		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00676	^	0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00476	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112918.D
Lims ID: MRL Client ID:
Inject. Date: 29-Nov-2012 22:31:48 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015403-018
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 66829 Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:21 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:19:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.542						
2	100		4.141						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.225	4.225	0.000	19378246	0.006116			
2	100	4.977	4.978	-0.001	56521432	0.005686			
						RPD = 7.28			
20 gamma-BHC (Lindane)									
1	100	4.604	4.606	-0.002	15036384	0.005577			
2	100	5.545	5.547	-0.002	44873963	0.005411			
						RPD = 3.02			
7 beta-BHC									
1	100	4.737	4.739	-0.002	7939092	0.006660			
2	100	5.726	5.727	-0.001	24702345	0.006851			
						RPD = 2.84			
11 delta-BHC									
1	100	4.956	4.957	-0.001	16067426	0.006196			
2	100	6.290	6.293	-0.003	47687214	0.006027			
						RPD = 2.76			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.127						
1	2		6.000						
1	3		7.272						
1	4		7.617						
2	100		6.089						
2	2		7.622						
2	3		9.024						
2	4		9.332						
22 Heptachlor									
1	100	5.243	5.243	0.000	14350041	0.005889			
2	100	6.391	6.394	-0.003	42366924	0.005933			
						RPD = 0.75			
4 Aldrin									
1	100	5.703	5.705	-0.002	19115732	0.006443			
2	100	7.129	7.130	-0.001	51002536	0.006208			
						RPD = 3.70			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.960	6.961	-0.001	16845120	0.006833			
2	100	8.602	8.604	-0.002	46152923	0.006756			
						RPD = 1.14			
21 gamma-Chlordane									
1	100	7.272	7.275	-0.003	16636749	0.006296			
2	100	9.025	9.024	0.001	43014189	0.006172			
						RPD = 1.99			
6 alpha-Chlordane									
1	100	7.622	7.622	0.000	17658566	0.006508			
2	100	9.333	9.332	0.001	46445605	0.006599			
						RPD = 1.40			
14 Endosulfan I									
1	100	7.897	7.897	0.000	15785397	0.006778			
2	100	9.395	9.394	0.001	38374113	0.006662			
						RPD = 1.72			
2 4,4'-DDE									
1	100	7.995	7.996	-0.001	18163980	0.006275			
2	100	9.785	9.787	-0.002	42878644	0.005950			
						RPD = 5.33			
13 Dieldrin									
1	100	8.454	8.454	0.000	15938300	0.006561			
2	100	9.924	9.926	-0.002	39448693	0.006244			
						RPD = 4.94			
17 Endrin									
1	100	8.906	8.908	-0.002	14749918	0.006605			
2	100	10.444	10.443	0.001	36117291	0.006207			
						RPD = 6.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.262	9.264	-0.002	11332433	0.006324			
2	100	10.808	10.808	0.000	59382059	0.006053			
						RPD = 4.38			
15 Endosulfan II									
1	100	9.352	9.353	-0.001	13064425	0.006160			
2	100	10.808	10.808	0.000	59382059	0.006053			
						RPD = 1.75			
30 Toxaphene									
1	100		9.483						
1	2		10.024						
1	3		10.090						
1	4		10.671						
1	5		11.234						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.149						
2	5		12.534						
3 4,4'-DDT									
1	100	9.780	9.781	-0.001	6627528	0.004667			
2	100	11.291	11.291	0.000	15129437	0.004544			
						RPD = 2.67			
18 Endrin aldehyde									
1	100	10.140	10.142	-0.002	8959038	0.005690			
2	100	11.382	11.382	0.000	22002652	0.005751			
						RPD = 1.06			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.722	10.722	0.000	3568061	0.005249			
2	100	12.365	12.364	0.001	7911527	0.004760			
						RPD = 9.78			
16 Endosulfan sulfate									
1	100	10.859	10.861	-0.002	10045391	0.005816			
2	100	11.814	11.814	0.000	24150942	0.005598			
						RPD = 3.82			
19 Endrin ketone									
1	100	11.260	11.260	0.000	10153593	0.005364			
2	100	12.550	12.551	-0.001	22324066	0.005092			
						RPD = 5.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.861						
2	100		14.324						

QC Flag Legend

Processing Flags
1 - Missing Peaks

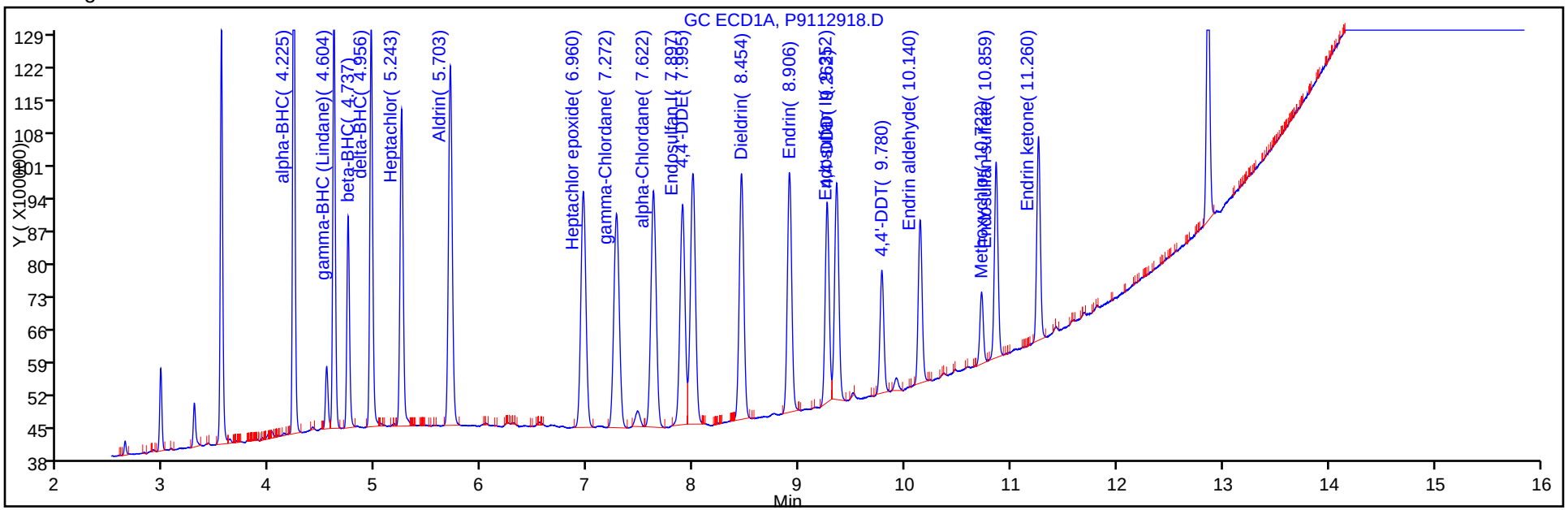
Report Date: 30-Nov-2012 12:11:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

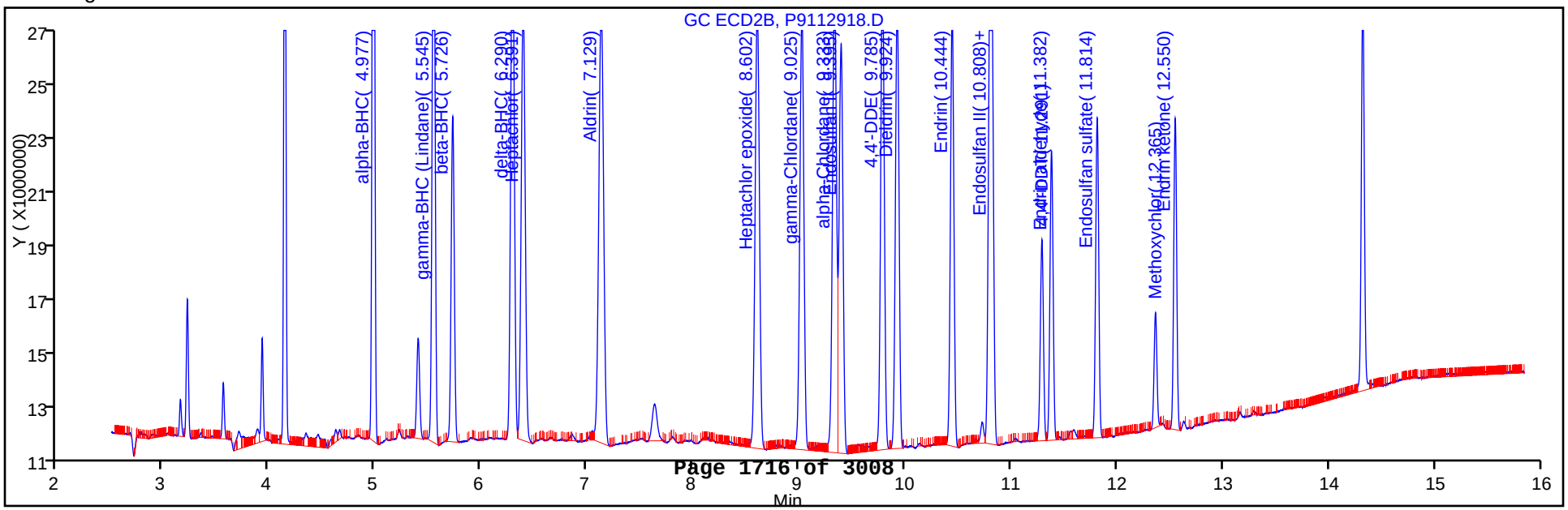
Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112918.D

Injection Date:	29-Nov-2012 22:31:48	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	18
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS Lab Sample ID: 240-17477-6 MS

Matrix: Solid Lab File ID: P9112910.D

Analysis Method: 8081/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:21

Sample wt/vol: 30.18(g) Date Analyzed: 11/29/2012 18:57

Con. Extract Vol.: 10(mL) Dilution Factor: 50

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66829 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	33	U J	99	33	31
33213-65-9	Endosulfan II	66	U	120	66	41
1024-57-3	Heptachlor epoxide	66	U J	120	66	40

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	114		55-130
877-09-8	Tetrachloro-m-xylene	110		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112910.D
Lims ID: 240-17477-A-6-R MS Client ID: 079SS-0004M-0002-SO
Inject. Date: 29-Nov-2012 18:57:44 Dil. Factor: 50.0000
Sample Type: MS
Sample ID: 240-0015403-010
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 66829 Lims Sample ID: 10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:33:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.540	0.002	1060030	0.000439			
2	100	4.138	4.140	-0.002	4193544	0.000590			
						RPD = 29.39			
5 alpha-BHC									
1	100	4.224	4.224	0.000	6700292	0.002115			
2	100	4.976	4.977	-0.001	15087754	0.001518			
						RPD = 32.85			
20 gamma-BHC (Lindane)									
1	100	4.603	4.605	-0.002	4740455	0.001758			
2	100	5.547	5.546	0.001	22768744	0.002745			
						RPD = 43.84			
7 beta-BHC									
1	100	4.738	4.738	0.000	2252826	0.001890			
2	100	5.718	5.726	-0.008	83951630	0.0233			
						RPD = 169.97			
11 delta-BHC									
1	100	4.956	4.956	0.000	5170837	0.001994			
2	100	6.289	6.290	-0.001	12186981	0.001540			
						RPD = 25.68			
22 Heptachlor									
1	100	5.246	5.242	0.004	25625887	0.0105			
2	100	6.390	6.391	-0.001	15909424	0.002228			
						RPD = 130.07			
4 Aldrin									
1	100	5.703	5.703	0.000	6069483	0.002046			
2	100	7.128	7.127	0.001	15761363	0.001919			
						RPD = 6.41			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.959	6.960	-0.001	4839010	0.001963			E
2	100	8.634	8.601	0.033	2963176348	0.4337			E
						RPD = 198.20			
21 gamma-Chlordane									
1	100	7.273	7.273	0.000	5130798	0.001942			
2	100	9.023	9.024	-0.001	13528459	0.001941			
						RPD = 0.02			
6 alpha-Chlordane									
1	100	7.622	7.623	-0.001	5134943	0.001892			
2	100	9.333	9.331	0.002	13407542	0.001905			
						RPD = 0.66			
14 Endosulfan I									
1	100	7.896	7.895	0.001	3395817	0.001458			
2	100	9.396	9.392	0.004	8465976	0.001470			
						RPD = 0.81			
2 4,4'-DDE									
1	100	7.995	7.996	-0.001	5806690	0.002006			
2	100	9.784	9.785	-0.001	13875854	0.001925			
						RPD = 4.11			
13 Dieldrin									
1	100	8.454	8.455	-0.001	4498652	0.001852			
2	100	9.924	9.924	0.000	11920300	0.001887			
						RPD = 1.87			
17 Endrin									
1	100	8.905	8.908	-0.003	4060729	0.001818			
2	100	10.443	10.444	-0.001	10945492	0.001881			
						RPD = 3.40			
1 4,4'-DDD									
1	100	9.262	9.265	-0.003	3204506	0.001788			
2	100	10.806	10.809	-0.003	16281285	0.001660			
						RPD = 7.46			
15 Endosulfan II									
1	100	9.352	9.354	-0.002	3296475	0.001554			
2	100	10.806	10.809	-0.003	16281285	0.001660			
						RPD = 6.56			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									1
1	100		9.483						
1	2		10.024						
1	3		10.090						
1	4		10.671						
1	5		11.234						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.149						
2	5		12.534						
3 4,4'-DDT									
1	100	9.778	9.781	-0.003	2379223	0.001675			
2	100	11.290	11.291	-0.001	5856852	0.001759			
						RPD = 4.87			
18 Endrin aldehyde									
1	100	10.140	10.142	-0.002	2830786	0.001798			
2	100	11.383	11.382	0.001	7369238	0.001926			
						RPD = 6.88			
27 Methoxychlor									
1	100	10.721	10.723	-0.002	1036226	0.001524			
2	100	12.365	12.365	0.000	3334634	0.002006			
						RPD = 27.29			
16 Endosulfan sulfate									
1	100	10.860	10.861	-0.001	2964385	0.001716			
2	100	11.813	11.813	0.000	7783209	0.001804			
						RPD = 4.98			
19 Endrin ketone									
1	100	11.261	11.260	0.001	3705398	0.001958			
2	100	12.551	12.551	0.000	8384004	0.001912			
						RPD = 2.34			
$ 10 DCB Decachlorobiphenyl									
1	100	12.861	12.862	-0.001	943220	0.000457			7
2	100	14.324	14.324	0.000	2322291	0.000491			7
						RPD = 7.02			

LOD = 0.000500

QC Flag Legend

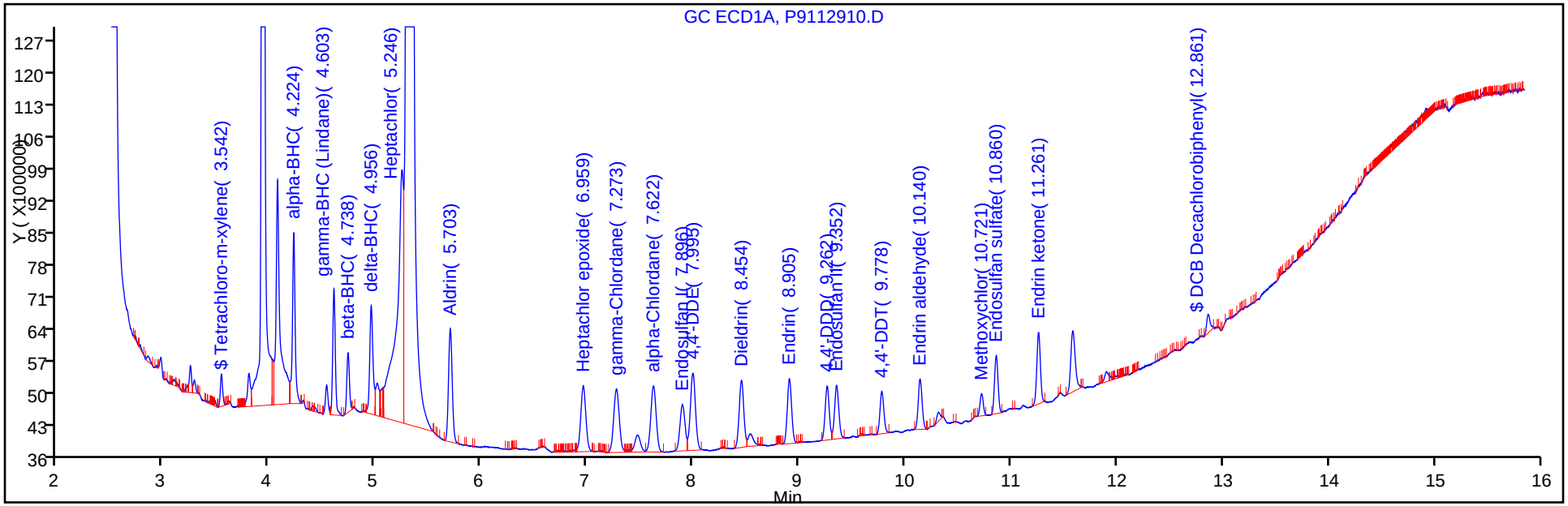
Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Report Date: 30-Nov-2012 12:11:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

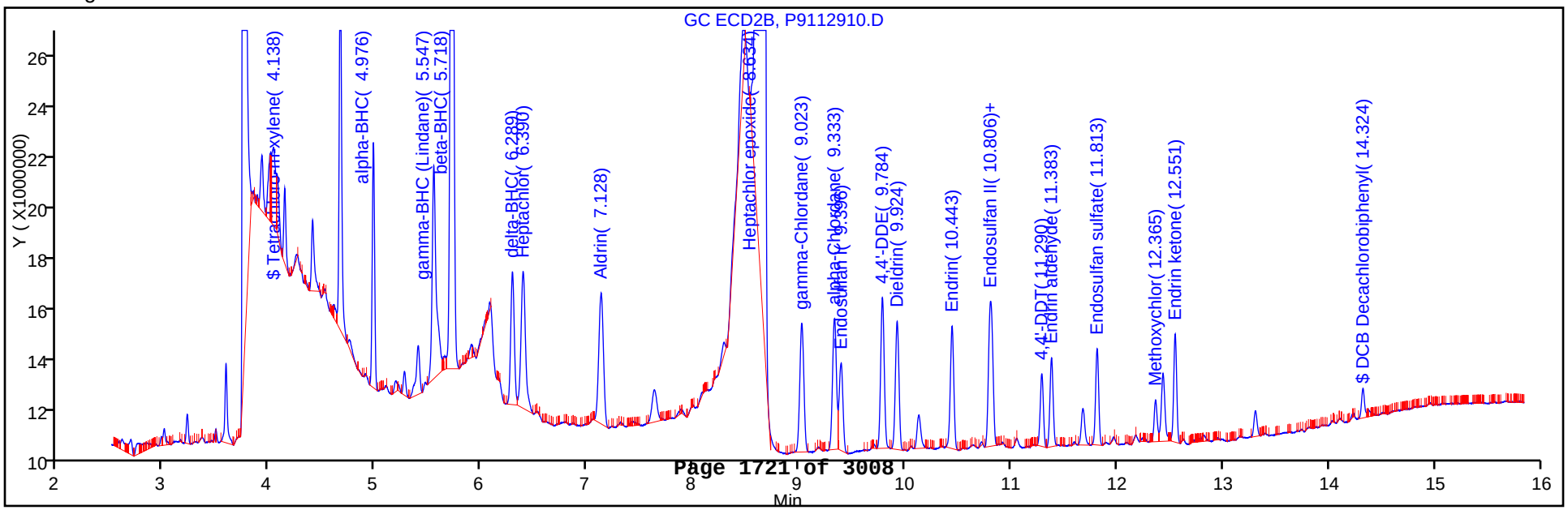
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112910.D		
Injection Date:	29-Nov-2012 18:57:44	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS | Lab Sample ID: 240-17477-6 MS

Matrix: Solid | Lab File ID: P9112910.D

Analysis Method: 8081/DOD | Date Collected: 11/09/2012 11:10

Extraction Method: 3540C | Date Extracted: 11/20/2012 11:21

Sample wt/vol: 30.18(g) | Date Analyzed: 11/29/2012 18:57

Con. Extract Vol.: 10(mL) | Dilution Factor: 50

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66829 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	31.9	J D	84	33	19
50-29-3	4,4'-DDT	33	U J	99	33	31
309-00-2	Aldrin	66	U	200	66	60
319-84-6	alpha-BHC	66	U	120	66	36
5103-71-9	alpha-Chlordane	66	U	150	66	47
319-85-7	beta-BHC	386	D	170	66	55
319-86-8	delta-BHC	66	U	200	66	60
60-57-1	Dieldrin	31.3	J D	84	33	23
959-98-8	Endosulfan I	33	U J	84	33	26
1031-07-8	Endosulfan sulfate	66	U	150	66	43
72-20-8	Endrin	31.2	J D	84	33	25
7421-93-4	Endrin aldehyde	66	U	150	66	50
53494-70-5	Endrin ketone	31.7	J D	99	33	31
58-89-9	gamma-BHC (Lindane)	45.5	J D	120	66	37
5103-74-2	gamma-Chlordane	32.2	J D	84	33	21
76-44-8	Heptachlor	66	U	170	66	55
72-43-5	Methoxychlor	160	U	250	160	75
8001-35-2	Toxaphene	990	U	3300	990	940

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	123		55-130
877-09-8	Tetrachloro-m-xylene	147	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112910.D
Lims ID: 240-17477-A-6-R MS Client ID: 079SS-0004M-0002-SO
Inject. Date: 29-Nov-2012 18:57:44 Dil. Factor: 50.0000
Sample Type: MS
Sample ID: 240-0015403-010
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 66829 Lims Sample ID: 10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc Date: 30-Nov-2012 11:33:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.540	0.002	1060030	0.000439			
2	100	4.138	4.140	-0.002	4193544	0.000590			
						RPD = 29.39			
5 alpha-BHC									
1	100	4.224	4.224	0.000	6700292	0.002115			
2	100	4.976	4.977	-0.001	15087754	0.001518			
						RPD = 32.85			
20 gamma-BHC (Lindane)									
1	100	4.603	4.605	-0.002	4740455	0.001758			
2	100	5.547	5.546	0.001	22768744	0.002745			
						RPD = 43.84			
7 beta-BHC									
1	100	4.738	4.738	0.000	2252826	0.001890			
2	100	5.718	5.726	-0.008	83951630	0.0233			
						RPD = 169.97			
11 delta-BHC									
1	100	4.956	4.956	0.000	5170837	0.001994			
2	100	6.289	6.290	-0.001	12186981	0.001540			
						RPD = 25.68			
22 Heptachlor									
1	100	5.246	5.242	0.004	25625887	0.0105			
2	100	6.390	6.391	-0.001	15909424	0.002228			
						RPD = 130.07			
4 Aldrin									
1	100	5.703	5.703	0.000	6069483	0.002046			
2	100	7.128	7.127	0.001	15761363	0.001919			
						RPD = 6.41			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.959	6.960	-0.001	4839010	0.001963			E
2	100	8.634	8.601	0.033	2963176348	0.4337			E
						RPD = 198.20			
21 gamma-Chlordane									
1	100	7.273	7.273	0.000	5130798	0.001942			
2	100	9.023	9.024	-0.001	13528459	0.001941			
						RPD = 0.02			
6 alpha-Chlordane									
1	100	7.622	7.623	-0.001	5134943	0.001892			
2	100	9.333	9.331	0.002	13407542	0.001905			
						RPD = 0.66			
14 Endosulfan I									
1	100	7.896	7.895	0.001	3395817	0.001458			
2	100	9.396	9.392	0.004	8465976	0.001470			
						RPD = 0.81			
2 4,4'-DDE									
1	100	7.995	7.996	-0.001	5806690	0.002006			
2	100	9.784	9.785	-0.001	13875854	0.001925			
						RPD = 4.11			
13 Dieldrin									
1	100	8.454	8.455	-0.001	4498652	0.001852			
2	100	9.924	9.924	0.000	11920300	0.001887			
						RPD = 1.87			
17 Endrin									
1	100	8.905	8.908	-0.003	4060729	0.001818			
2	100	10.443	10.444	-0.001	10945492	0.001881			
						RPD = 3.40			
1 4,4'-DDD									
1	100	9.262	9.265	-0.003	3204506	0.001788			
2	100	10.806	10.809	-0.003	16281285	0.001660			
						RPD = 7.46			
15 Endosulfan II									
1	100	9.352	9.354	-0.002	3296475	0.001554			
2	100	10.806	10.809	-0.003	16281285	0.001660			
						RPD = 6.56			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									1
1	100		9.483						
1	2		10.024						
1	3		10.090						
1	4		10.671						
1	5		11.234						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.149						
2	5		12.534						
3 4,4'-DDT									
1	100	9.778	9.781	-0.003	2379223	0.001675			
2	100	11.290	11.291	-0.001	5856852	0.001759			
						RPD = 4.87			
18 Endrin aldehyde									
1	100	10.140	10.142	-0.002	2830786	0.001798			
2	100	11.383	11.382	0.001	7369238	0.001926			
						RPD = 6.88			
27 Methoxychlor									
1	100	10.721	10.723	-0.002	1036226	0.001524			
2	100	12.365	12.365	0.000	3334634	0.002006			
						RPD = 27.29			
16 Endosulfan sulfate									
1	100	10.860	10.861	-0.001	2964385	0.001716			
2	100	11.813	11.813	0.000	7783209	0.001804			
						RPD = 4.98			
19 Endrin ketone									
1	100	11.261	11.260	0.001	3705398	0.001958			
2	100	12.551	12.551	0.000	8384004	0.001912			
						RPD = 2.34			
$ 10 DCB Decachlorobiphenyl									
1	100	12.861	12.862	-0.001	943220	0.000457			7
2	100	14.324	14.324	0.000	2322291	0.000491			7
						RPD = 7.02			

LOD = 0.000500

QC Flag Legend

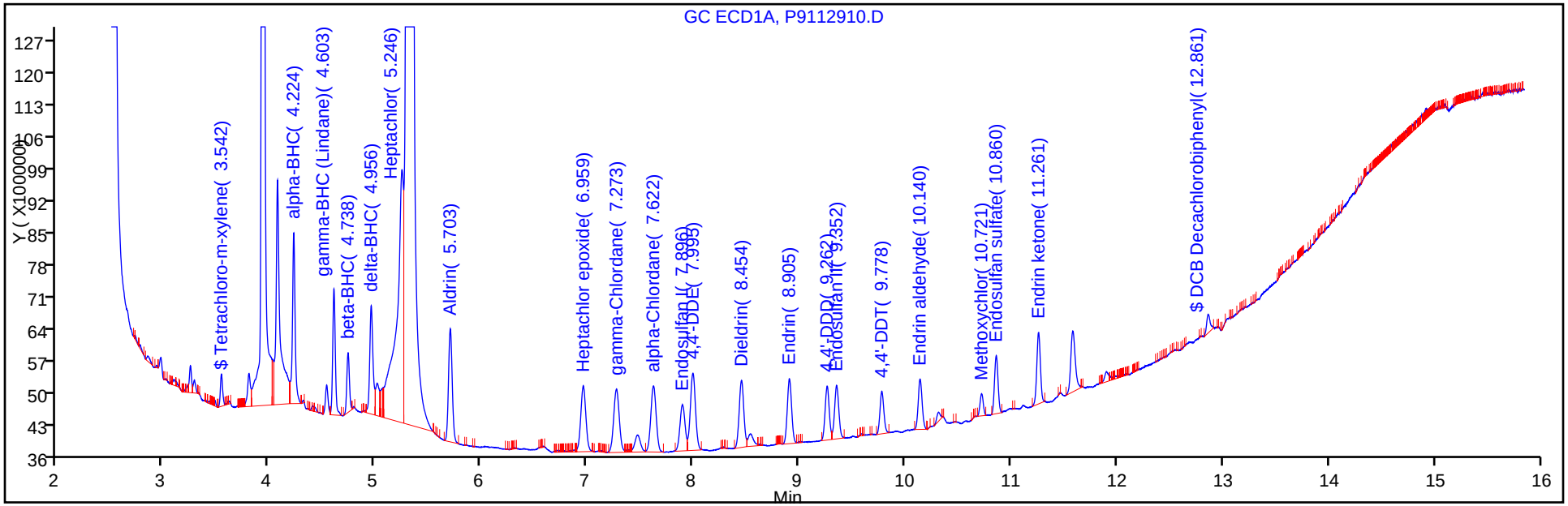
Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Report Date: 30-Nov-2012 12:11:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

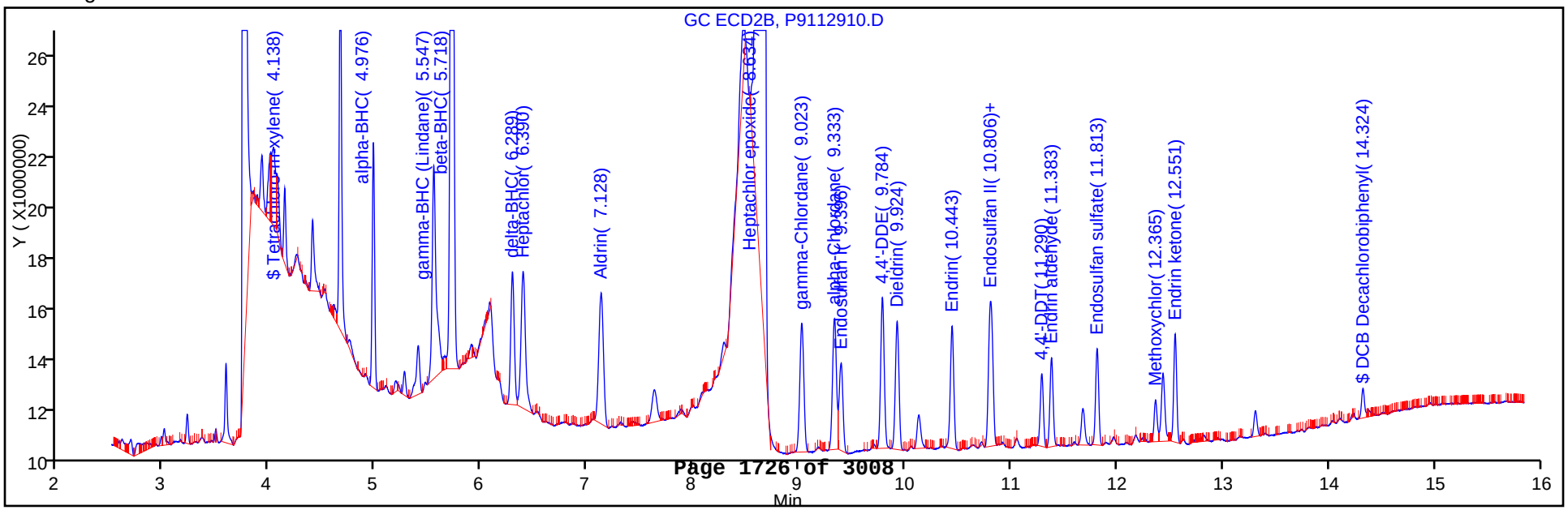
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112910.D		
Injection Date:	29-Nov-2012 18:57:44	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD Lab Sample ID: 240-17477-6 MSD

Matrix: Solid Lab File ID: P9112911.D

Analysis Method: 8081/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:21

Sample wt/vol: 30.36(g) Date Analyzed: 11/29/2012 19:24

Con. Extract Vol.: 10(mL) Dilution Factor: 50

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66829 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	33	U J	99	33	31
33213-65-9	Endosulfan II	66	U	120	66	41
1024-57-3	Heptachlor epoxide	66	U J	120	66	40

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	91	*M*	55-130
877-09-8	Tetrachloro-m-xylene	102		70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112911.D
Lims ID: 240-17477-A-6-S MSD
Client ID: 079SS-0004M-0002-SO
Inject. Date: 29-Nov-2012 19:24:57
Dil. Factor: 50.0000
Sample Type: MSD
Sample ID: 240-0015403-011
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 11
Lims Batch ID: 66829
Lims Sample ID: 11
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:11
Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc
Date: 30-Nov-2012 11:34:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.541	3.540	0.001	986726	0.000408			
2	100	4.140	4.140	0.000	3784478	0.000532			
						RPD = 26.36			
5 alpha-BHC									
1	100	4.224	4.224	0.000	7307272	0.002306			
2	100	4.977	4.977	0.000	16244386	0.001634			
						RPD = 34.10			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	4775413	0.001771			
2	100	5.547	5.546	0.001	18785689	0.002265			
						RPD = 24.48			
7 beta-BHC									
1	100	4.737	4.738	-0.001	2790552	0.002341			
2	100	5.719	5.726	-0.007	75091080	0.0208			
						RPD = 159.58			
11 delta-BHC									
1	100	4.956	4.956	0.000	5762212	0.002222			
2	100	6.292	6.290	0.002	12616557	0.001594			
						RPD = 32.88			
22 Heptachlor									
1	100	5.247	5.242	0.005	21049005	0.008638			
2	100	6.392	6.391	0.001	14267662	0.001998			
						RPD = 124.85			
4 Aldrin									
1	100	5.703	5.703	0.000	5887404	0.001984			
2	100	7.128	7.127	0.001	16596470	0.002020			
						RPD = 1.80			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.957	6.960	-0.003	5009770	0.002032			E
2	100	8.635	8.601	0.034	2715510231	0.3975			E
						RPD = 197.97			
21 gamma-Chlordane									
1	100	7.274	7.273	0.001	4881203	0.001847			
2	100	9.024	9.024	0.000	13885991	0.001993			
						RPD = 7.57			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	5126088	0.001889			
2	100	9.331	9.331	0.000	13665408	0.001942			
						RPD = 2.74			
14 Endosulfan I									
1	100	7.895	7.895	0.000	3298447	0.001416			
2	100	9.392	9.392	0.000	8758753	0.001521			
						RPD = 7.11			
2 4,4'-DDE									
1	100	7.996	7.996	0.000	5803429	0.002005			
2	100	9.785	9.785	0.000	13872091	0.001925			
						RPD = 4.08			
13 Dieldrin									
1	100	8.452	8.455	-0.003	3591659	0.001478			
2	100	9.924	9.924	0.000	11944820	0.001891			
						RPD = 24.47			
17 Endrin									
1	100	8.907	8.908	-0.001	3833524	0.001717			
2	100	10.443	10.444	-0.001	10601008	0.001822			
						RPD = 5.96			
1 4,4'-DDD									
1	100	9.264	9.265	-0.001	3190815	0.001781			
2	100	10.807	10.809	-0.002	16267403	0.001658			
						RPD = 7.12			
15 Endosulfan II									
1	100	9.352	9.354	-0.002	3206709	0.001512			
2	100	10.807	10.809	-0.002	16267403	0.001658			
						RPD = 9.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100		9.483						
1	2		10.024						
1	3		10.090						
1	4		10.671						
1	5		11.234						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.149						
2	5		12.534						
3 4,4'-DDT									
1	100	9.778	9.781	-0.003	2309198	0.001626			
2	100	11.291	11.291	0.000	5990724	0.001799			
						RPD = 10.11			
18 Endrin aldehyde									
1	100	10.140	10.142	-0.002	2914588	0.001851			
2	100	11.382	11.382	0.000	7466391	0.001952			
						RPD = 5.28			
27 Methoxychlor									
1	100	10.722	10.723	-0.001	1139679	0.001677			
2	100	12.364	12.365	-0.001	3492426	0.002101			
						RPD = 22.47			
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	3230319	0.001870			
2	100	11.813	11.813	0.000	8358327	0.001937			
						RPD = 3.52			
19 Endrin ketone									
1	100	11.260	11.260	0.000	3852710	0.002035			
2	100	12.552	12.551	0.001	8703367	0.001985			
						RPD = 2.50			
$ 10 DCB Decachlorobiphenyl									
1	100	12.865	12.862	0.003	746779	0.000362			7M
2	100	14.325	14.324	0.001	1811165	0.000383			7
						RPD = 5.52			

LOD = 0.000500

QC Flag Legend

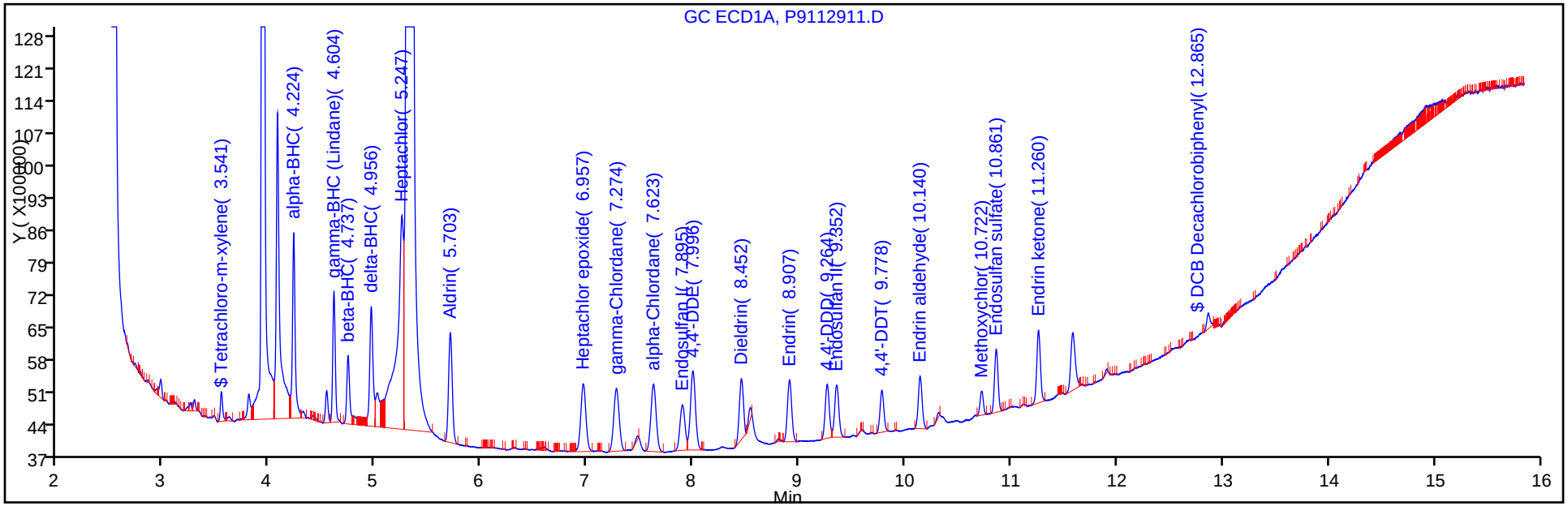
Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Report Date: 30-Nov-2012 12:11:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

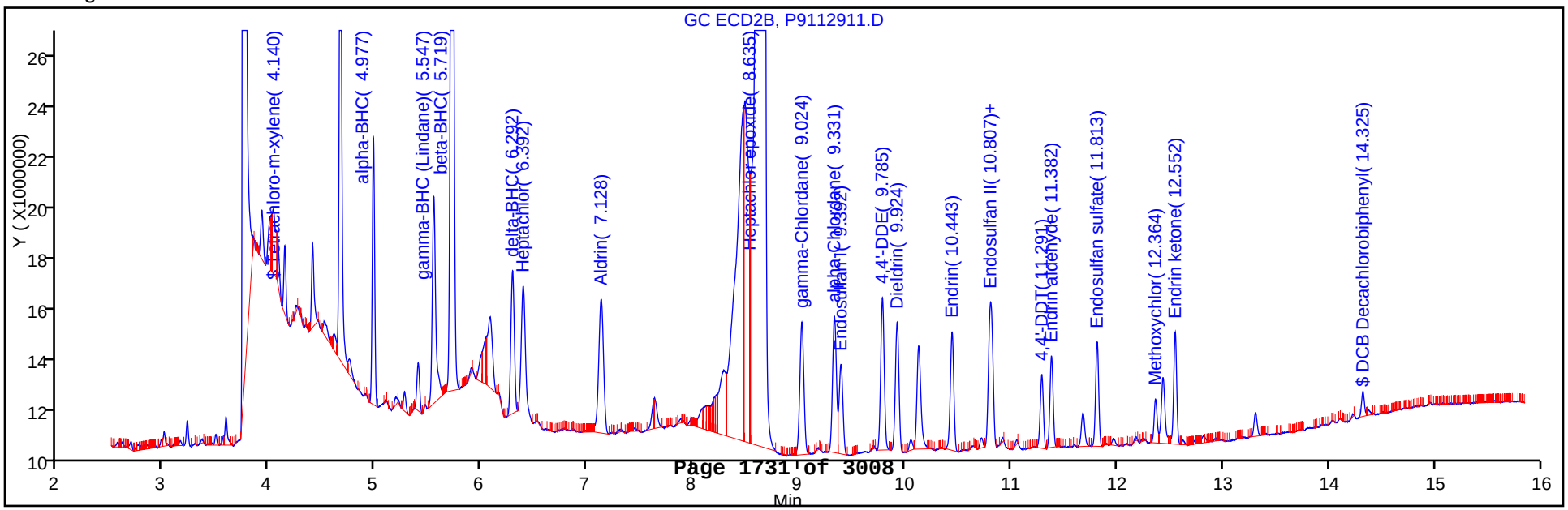
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112911.D		
Injection Date:	29-Nov-2012 19:24:57	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD | Lab Sample ID: 240-17477-6 MSD

Matrix: Solid | Lab File ID: P9112911.D

Analysis Method: 8081/DOD | Date Collected: 11/09/2012 11:10

Extraction Method: 3540C | Date Extracted: 11/20/2012 11:21

Sample wt/vol: 30.36(g) | Date Analyzed: 11/29/2012 19:24

Con. Extract Vol.: 10(mL) | Dilution Factor: 50

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66829 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	31.7	J D	84	33	19
50-29-3	4,4'-DDT	33	U J	99	33	31
309-00-2	Aldrin	66	U	200	66	59
319-84-6	alpha-BHC	66	U	120	66	36
5103-71-9	alpha-Chlordane	66	U	150	66	46
319-85-7	beta-BHC	343	D	170	66	54
319-86-8	delta-BHC	66	U	200	66	59
60-57-1	Dieldrin	31.1	J D	84	33	23
959-98-8	Endosulfan I	33	U J	84	33	26
1031-07-8	Endosulfan sulfate	66	U	150	66	43
72-20-8	Endrin	30.0	J D	84	33	25
7421-93-4	Endrin aldehyde	66	U	150	66	49
53494-70-5	Endrin ketone	32.7	J D	99	33	31
58-89-9	gamma-BHC (Lindane)	37.3	J D	120	66	37
5103-74-2	gamma-Chlordane	32.8	J D	84	33	21
76-44-8	Heptachlor	66	U	170	66	54
72-43-5	Methoxychlor	160	U	250	160	74
8001-35-2	Toxaphene	990	U	3300	990	940

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	96		55-130
877-09-8	Tetrachloro-m-xylene	133	Q	70-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112911.D
Lims ID: 240-17477-A-6-S MSD
Client ID: 079SS-0004M-0002-SO
Inject. Date: 29-Nov-2012 19:24:57
Dil. Factor: 50.0000
Sample Type: MSD
Sample ID: 240-0015403-011
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 11
Lims Batch ID: 66829
Lims Sample ID: 11
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121129-15403.b\PEST9.m
Last Update: 30-Nov-2012 12:11:11
Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK022

First Level Reviewer: vandorenc
Date: 30-Nov-2012 11:34:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.541	3.540	0.001	986726	0.000408			
2	100	4.140	4.140	0.000	3784478	0.000532			
						RPD = 26.36			
5 alpha-BHC									
1	100	4.224	4.224	0.000	7307272	0.002306			
2	100	4.977	4.977	0.000	16244386	0.001634			
						RPD = 34.10			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	4775413	0.001771			
2	100	5.547	5.546	0.001	18785689	0.002265			
						RPD = 24.48			
7 beta-BHC									
1	100	4.737	4.738	-0.001	2790552	0.002341			
2	100	5.719	5.726	-0.007	75091080	0.0208			
						RPD = 159.58			
11 delta-BHC									
1	100	4.956	4.956	0.000	5762212	0.002222			
2	100	6.292	6.290	0.002	12616557	0.001594			
						RPD = 32.88			
22 Heptachlor									
1	100	5.247	5.242	0.005	21049005	0.008638			
2	100	6.392	6.391	0.001	14267662	0.001998			
						RPD = 124.85			
4 Aldrin									
1	100	5.703	5.703	0.000	5887404	0.001984			
2	100	7.128	7.127	0.001	16596470	0.002020			
						RPD = 1.80			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.957	6.960	-0.003	5009770	0.002032			E
2	100	8.635	8.601	0.034	2715510231	0.3975			E
						RPD = 197.97			
21 gamma-Chlordane									
1	100	7.274	7.273	0.001	4881203	0.001847			
2	100	9.024	9.024	0.000	13885991	0.001993			
						RPD = 7.57			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	5126088	0.001889			
2	100	9.331	9.331	0.000	13665408	0.001942			
						RPD = 2.74			
14 Endosulfan I									
1	100	7.895	7.895	0.000	3298447	0.001416			
2	100	9.392	9.392	0.000	8758753	0.001521			
						RPD = 7.11			
2 4,4'-DDE									
1	100	7.996	7.996	0.000	5803429	0.002005			
2	100	9.785	9.785	0.000	13872091	0.001925			
						RPD = 4.08			
13 Dieldrin									
1	100	8.452	8.455	-0.003	3591659	0.001478			
2	100	9.924	9.924	0.000	11944820	0.001891			
						RPD = 24.47			
17 Endrin									
1	100	8.907	8.908	-0.001	3833524	0.001717			
2	100	10.443	10.444	-0.001	10601008	0.001822			
						RPD = 5.96			
1 4,4'-DDD									
1	100	9.264	9.265	-0.001	3190815	0.001781			
2	100	10.807	10.809	-0.002	16267403	0.001658			
						RPD = 7.12			
15 Endosulfan II									
1	100	9.352	9.354	-0.002	3206709	0.001512			
2	100	10.807	10.809	-0.002	16267403	0.001658			
						RPD = 9.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									
1	100		9.483						
1	2		10.024						
1	3		10.090						
1	4		10.671						
1	5		11.234						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.149						
2	5		12.534						
3 4,4'-DDT									
1	100	9.778	9.781	-0.003	2309198	0.001626			
2	100	11.291	11.291	0.000	5990724	0.001799			
						RPD = 10.11			
18 Endrin aldehyde									
1	100	10.140	10.142	-0.002	2914588	0.001851			
2	100	11.382	11.382	0.000	7466391	0.001952			
						RPD = 5.28			
27 Methoxychlor									
1	100	10.722	10.723	-0.001	1139679	0.001677			
2	100	12.364	12.365	-0.001	3492426	0.002101			
						RPD = 22.47			
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	3230319	0.001870			
2	100	11.813	11.813	0.000	8358327	0.001937			
						RPD = 3.52			
19 Endrin ketone									
1	100	11.260	11.260	0.000	3852710	0.002035			
2	100	12.552	12.551	0.001	8703367	0.001985			
						RPD = 2.50			
$ 10 DCB Decachlorobiphenyl									
1	100	12.865	12.862	0.003	746779	0.000362			7M
2	100	14.325	14.324	0.001	1811165	0.000383			7
						RPD = 5.52			

LOD = 0.000500

QC Flag Legend

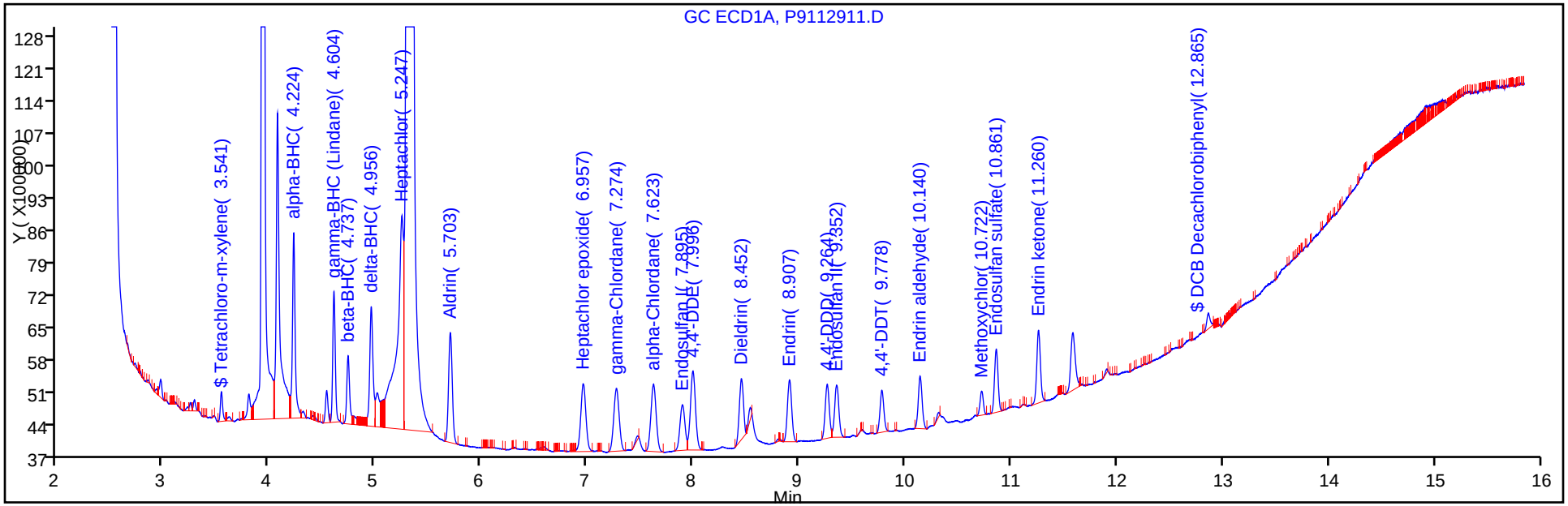
Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Report Date: 30-Nov-2012 12:11:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

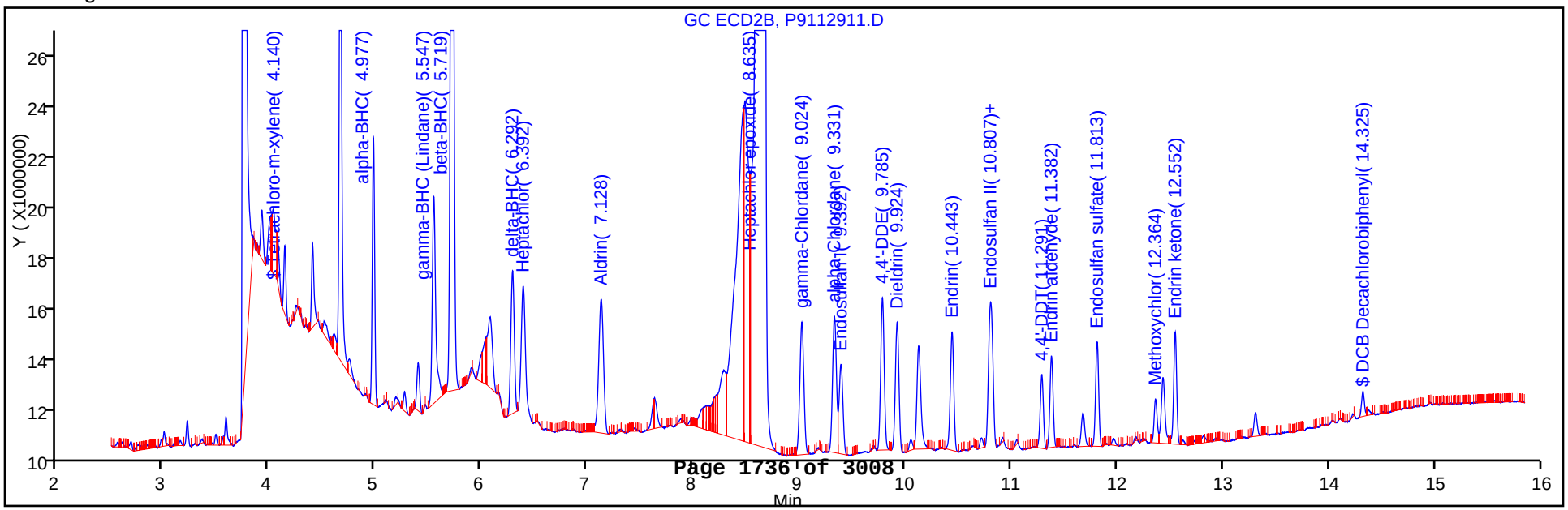
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121129-15403.b\P9112911.D		
Injection Date:	29-Nov-2012 19:24:57	Limit Group:	GC 8081 D0D ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A2HP9
Lims Batch ID:	66829	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP9 Start Date: 11/28/2012 03:23

Analysis Batch Number: 66500 End Date: 11/29/2012 03:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-66500/4		11/28/2012 03:23	1	P9112704.D	CLP-1 0.53(mm)
PEM 240-66500/4		11/28/2012 03:23	1	P9112704.D	CLP-2 0.53(mm)
STD 240-66500/5 IC		11/28/2012 03:51	1	P9112705.D	CLP-1 0.53(mm)
STD 240-66500/5 IC		11/28/2012 03:51	1	P9112705.D	CLP-2 0.53(mm)
STD 240-66500/6 IC		11/28/2012 04:19	1	P9112706.D	CLP-1 0.53(mm)
STD 240-66500/6 IC		11/28/2012 04:19	1	P9112706.D	CLP-2 0.53(mm)
STD 240-66500/7 ICRT		11/28/2012 04:47	1	P9112707.D	CLP-1 0.53(mm)
STD 240-66500/7 ICRT		11/28/2012 04:47	1	P9112707.D	CLP-2 0.53(mm)
STD 240-66500/8 IC		11/28/2012 05:11	1	P9112708.D	CLP-1 0.53(mm)
STD 240-66500/8 IC		11/28/2012 05:11	1	P9112708.D	CLP-2 0.53(mm)
STD 240-66500/9 IC		11/28/2012 05:30	1	P9112709.D	CLP-1 0.53(mm)
STD 240-66500/9 IC		11/28/2012 05:30	1	P9112709.D	CLP-2 0.53(mm)
STD 240-66500/10 IC		11/28/2012 05:55	1	P9112710.D	CLP-1 0.53(mm)
STD 240-66500/10 IC		11/28/2012 05:55	1	P9112710.D	CLP-2 0.53(mm)
ICV 240-66500/11		11/28/2012 06:22	1	P9112711.D	CLP-1 0.53(mm)
ICV 240-66500/11		11/28/2012 06:22	1	P9112711.D	CLP-2 0.53(mm)
STD 240-66500/12 IC		11/28/2012 06:50	1	P9112712.D	CLP-1 0.53(mm)
STD 240-66500/12 IC		11/28/2012 06:50	1	P9112712.D	CLP-2 0.53(mm)
STD 240-66500/13 IC		11/28/2012 07:18	1	P9112713.D	CLP-1 0.53(mm)
STD 240-66500/13 IC		11/28/2012 07:18	1	P9112713.D	CLP-2 0.53(mm)
STD 240-66500/14 IC		11/28/2012 07:46	1	P9112714.D	CLP-1 0.53(mm)
STD 240-66500/14 IC		11/28/2012 07:46	1	P9112714.D	CLP-2 0.53(mm)
STD 240-66500/15 IC		11/28/2012 08:14	1	P9112715.D	CLP-1 0.53(mm)
STD 240-66500/15 IC		11/28/2012 08:14	1	P9112715.D	CLP-2 0.53(mm)
STD 240-66500/16 IC		11/28/2012 08:42	1	P9112716.D	CLP-1 0.53(mm)
STD 240-66500/16 IC		11/28/2012 08:42	1	P9112716.D	CLP-2 0.53(mm)
ICV 240-66500/17		11/28/2012 09:09	1	P9112717.D	CLP-1 0.53(mm)
ICV 240-66500/17		11/28/2012 09:09	1	P9112717.D	CLP-2 0.53(mm)
MRL 240-66500/18		11/28/2012 09:37	1	P9112718.D	CLP-1 0.53(mm)
MRL 240-66500/18		11/28/2012 09:37	1	P9112718.D	CLP-2 0.53(mm)
ZZZZZ		11/28/2012 10:05	1		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 10:05	1		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 10:32	5		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 10:32	5		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 11:00	5		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 11:00	5		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 11:28	5		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 11:28	5		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 11:56	1		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 11:56	1		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 12:24	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 12:24	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 12:48	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 12:48	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 13:16	20		CLP-1 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP9 Start Date: 11/28/2012 03:23

Analysis Batch Number: 66500 End Date: 11/29/2012 03:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/28/2012 13:16	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 13:44	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 13:44	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 14:12	1		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 14:12	1		CLP-2 0.53(mm)
PEM 240-66500/29		11/28/2012 14:40	1	P9112729.D	CLP-1 0.53(mm)
PEM 240-66500/29		11/28/2012 14:40	1	P9112729.D	CLP-2 0.53(mm)
CCV 240-66500/30		11/28/2012 15:08	1	P9112730.D	CLP-1 0.53(mm)
CCV 240-66500/30		11/28/2012 15:08	1	P9112730.D	CLP-2 0.53(mm)
LCS 240-65759/18-A		11/28/2012 15:36	1	P9112731.D	CLP-1 0.53(mm)
LCS 240-65759/18-A		11/28/2012 15:36	1	P9112731.D	CLP-2 0.53(mm)
ZZZZZ		11/28/2012 16:04	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 16:04	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 16:31	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 16:31	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 16:59	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 16:59	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 17:27	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 17:27	10		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 17:55	50		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 17:55	50		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 18:24	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 18:24	10		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 18:52	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 18:52	10		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 19:19	1		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 19:19	1		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 19:47	1		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 19:47	1		CLP-2 0.53(mm)
CCV 240-66500/41		11/28/2012 20:15	1	P9112741.D	CLP-1 0.53(mm)
CCV 240-66500/41		11/28/2012 20:15	1	P9112741.D	CLP-2 0.53(mm)
240-17477-7	079SS-0005M-0001-SO	11/28/2012 20:43	10	P9112742.D	CLP-1 0.53(mm)
240-17477-7	079SS-0005M-0001-SO	11/28/2012 20:43	10	P9112742.D	CLP-2 0.53(mm)
ZZZZZ		11/28/2012 21:11	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 21:11	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 21:38	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 21:38	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 22:06	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 22:06	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 22:34	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 22:34	10		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 23:00	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 23:00	10		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 23:27	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 23:27	10		CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP9 Start Date: 11/28/2012 03:23

Analysis Batch Number: 66500 End Date: 11/29/2012 03:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/28/2012 23:54	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 23:54	10		CLP-2 0.53(mm)
ZZZZZ		11/29/2012 00:21	10		CLP-1 0.53(mm)
ZZZZZ		11/29/2012 00:21	10		CLP-2 0.53(mm)
MB 240-65759/17-A		11/29/2012 00:47	1	P9112751.D	CLP-1 0.53(mm)
MB 240-65759/17-A		11/29/2012 00:47	1	P9112751.D	CLP-2 0.53(mm)
CCV 240-66500/52		11/29/2012 01:13	1	P9112752.D	CLP-1 0.53(mm)
CCV 240-66500/52		11/29/2012 01:13	1	P9112752.D	CLP-2 0.53(mm)
CCV 240-66500/53		11/29/2012 01:41	1	P9112753.D	CLP-1 0.53(mm)
CCV 240-66500/53		11/29/2012 01:41	1	P9112753.D	CLP-2 0.53(mm)
ZZZZZ		11/29/2012 02:08	1		CLP-1 0.53(mm)
ZZZZZ		11/29/2012 02:08	1		CLP-2 0.53(mm)
CCV 240-66500/55		11/29/2012 02:36	1		CLP-1 0.53(mm)
CCV 240-66500/55		11/29/2012 02:36	1		CLP-2 0.53(mm)
MRL 240-66500/56		11/29/2012 03:03	1	P9112756.D	CLP-1 0.53(mm)
MRL 240-66500/56		11/29/2012 03:03	1	P9112756.D	CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP9 Start Date: 11/29/2012 16:12

Analysis Batch Number: 66829 End Date: 11/30/2012 03:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-66829/4		11/29/2012 16:12	1	P9112904.D	CLP-1 0.53(mm)
PEM 240-66829/4		11/29/2012 16:12	1	P9112904.D	CLP-2 0.53(mm)
CCV 240-66829/5		11/29/2012 16:40	1	P9112905.D	CLP-1 0.53(mm)
CCV 240-66829/5		11/29/2012 16:40	1	P9112905.D	CLP-2 0.53(mm)
CCV 240-66829/7 CCVRT		11/29/2012 17:35	1	P9112907.D	CLP-1 0.53(mm)
CCV 240-66829/7 CCVRT		11/29/2012 17:35	1	P9112907.D	CLP-2 0.53(mm)
MRL 240-66829/8		11/29/2012 18:02	1	P9112908.D	CLP-1 0.53(mm)
MRL 240-66829/8		11/29/2012 18:02	1	P9112908.D	CLP-2 0.53(mm)
240-17477-6	079SS-0004M-0001-SO	11/29/2012 18:30	50	P9112909.D	CLP-1 0.53(mm)
240-17477-6	079SS-0004M-0001-SO	11/29/2012 18:30	50	P9112909.D	CLP-2 0.53(mm)
240-17477-6 MS	079SS-0004M-0001-SO MS	11/29/2012 18:57	50	P9112910.D	CLP-1 0.53(mm)
240-17477-6 MS	079SS-0004M-0001-SO MS	11/29/2012 18:57	50	P9112910.D	CLP-2 0.53(mm)
240-17477-6 MSD	079SS-0004M-0001-SO MSD	11/29/2012 19:24	50	P9112911.D	CLP-1 0.53(mm)
240-17477-6 MSD	079SS-0004M-0001-SO MSD	11/29/2012 19:24	50	P9112911.D	CLP-2 0.53(mm)
CCV 240-66829/17		11/29/2012 22:04	1	P9112917.D	CLP-1 0.53(mm)
CCV 240-66829/17		11/29/2012 22:04	1	P9112917.D	CLP-2 0.53(mm)
MRL 240-66829/18		11/29/2012 22:31	1	P9112918.D	CLP-1 0.53(mm)
MRL 240-66829/18		11/29/2012 22:31	1	P9112918.D	CLP-2 0.53(mm)
CCV 240-66829/30		11/30/2012 03:59	1	P9112930.D	CLP-1 0.53(mm)
CCV 240-66829/30		11/30/2012 03:59	1	P9112930.D	CLP-2 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 65759 Batch Start Date: 11/20/12 14:40 Batch Analyst: Cerne, Amanda

Batch Method: 3540C Batch End Date: 11/21/12 06:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX2/.2SURRW 00019	EXPSTNPDESSPW 00011	AnalysisComment	
240-17477-A-6-B	079SS-0004M-0001 -SO	3540C, 8081/DOD	T	30.22 g	10 mL	1 mL		Associated w/ 65753	
240-17477-A-6-C MS	079SS-0004M-0001 -SO	3540C, 8081/DOD	T	30.18 g	10 mL	1 mL	1 mL		
240-17477-A-6-D MSD	079SS-0004M-0001 -SO	3540C, 8081/DOD	T	30.36 g	10 mL	1 mL	1 mL		
240-17477-A-7-B	079SS-0005M-0001 -SO	3540C, 8081/DOD	T	29.96 g	10 mL	1 mL		Associated w/ 65753	
MB 240-65759/17		3540C, 8081/DOD		30.00 g	10 mL	1 mL		Associated w/ 65753	
LCS 240-65759/18		3540C, 8081/DOD		30.00 g	10 mL	1 mL	1 mL		

Batch Notes	
Balance ID	b036
Person's name who did the concentration	cc/lh
Exchange Solvent Lot #	671344
Na2SO4 Lot Number	677243
Prep Solvent Lot #	719009

Basis	Basis Description
T	Total/NA

Method 8082 DOD

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
079SS-0004M-0001-SO	240-17477-6	65	58	68	62
079SS-0005M-0001-SO	240-17477-7	76	68	74	72
	MB 240-65753/23-A	79	72	80	82
	LCS 240-65753/24-A	61	60	83	84
079SS-0004M-0001-SO MS	240-17477-6 MS	64	60	66	60
079SS-0004M-0001-SO MSD	240-17477-6 MSD	71	68	78	70

	QC LIMITS
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	60-125

Column to be used to flag recovery values

FORM II 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
068SW-0013-0001-SW	240-17477-1	93	80	78	74
068SW-0014-0001-SW	240-17477-2	88	73	73	68
068SW-0015-0001-SW	240-17477-3	95	80	74	69
068SW-0016-0001-SW	240-17477-4	91	74	71	66
	MB 240-64779/13-A	92	88	90	85
	LCS 240-64779/14-A	89	76	92	85
068SW-0016-0001-SW MS	240-17477-4 MS	96	79	80	75
068SW-0016-0001-SW MSD	240-17477-4 MSD	95	76	68	62

	QC LIMITS
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	40-135

Column to be used to flag recovery values

FORM II 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
	MRL 240-65363/4	105	113	111	109
	MRL 240-65363/26	108	105	112	107
	MRL 240-66323/3	107	114	117	113
	MRL 240-66323/31	108	118	112	109

	QC LIMITS
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Column to be used to flag recovery values

FORM II 8082/DOD

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300024.D

Lab ID: LCS 240-64779/14-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	5.00	4.39	88	25-145	
Aroclor-1260	5.00	4.71	94	30-145	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1300029.D

Lab ID: LCS 240-65753/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	333	254	76	40-140	
Aroclor-1260	333	286	86	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300004.D

Lab ID: MRL 240-65363/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0524	105	70-130	
Aroclor-1016	0.0500	0.0534	107	70-130	
Aroclor-1260	0.0500	0.0525	105	70-130	
Aroclor-1260	0.0500	0.0462 J	92	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300026.D

Lab ID: MRL 240-65363/26 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0686	137	70-130	^
Aroclor-1016	0.0500	0.0534	107	70-130	
Aroclor-1260	0.0500	0.0460 J	92	70-130	
Aroclor-1260	0.0500	0.0452 J	90	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300003.D

Lab ID: MRL 240-66323/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0554	111	70-130	
Aroclor-1016	0.0500	0.0579	116	70-130	
Aroclor-1260	0.0500	0.0542	108	70-130	
Aroclor-1260	0.0500	0.0503	101	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300031.D

Lab ID: MRL 240-66323/31 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0560	112	70-130	
Aroclor-1016	0.0500	0.0582	116	70-130	
Aroclor-1260	0.0500	0.0494 J	99	70-130	
Aroclor-1260	0.0500	0.0498 J	100	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300022.D

Lab ID: 240-17477-4 MS Client ID: 068SW-0016-0001-SW MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Aroclor-1016	4.76	0.19 U	4.52	95	25-145	
Aroclor-1260	4.76	0.19 U	4.55	96	30-145	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1300016.D

Lab ID: 240-17477-6 MS Client ID: 079SS-0004M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor-1016	337	25 U	223	66	40-140	
Aroclor-1260	337	25 U	225	67	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300023.D

Lab ID: 240-17477-4 MSD Client ID: 068SW-0016-0001-SW MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor-1016	4.76	4.53	95	0	30	25-145	
Aroclor-1260	4.76	4.36	92	4	30	30-145	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1300017.D

Lab ID: 240-17477-6 MSD Client ID: 079SS-0004M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor-1016	337	253	75	13	30	40-140	
Aroclor-1260	337	262	78	15	30	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: MB 240-64779/13-A

Matrix: Water Date Extracted: 11/13/2012 09:55

Lab File ID:(1) P1300016.D Lab File ID:(2) P1300016.D

Date Analyzed:(1) 11/18/2012 17:27 Date Analyzed:(2) 11/18/2012 17:27

Instrument ID:(1) A2HP13 Instrument ID:(2) A2HP13

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
068SW-0013-0001-SW	240-17477-1	11/18/2012 17:57	11/18/2012 17:57
068SW-0014-0001-SW	240-17477-2	11/18/2012 18:12	11/18/2012 18:12
068SW-0015-0001-SW	240-17477-3	11/18/2012 18:27	11/18/2012 18:27
068SW-0016-0001-SW	240-17477-4	11/18/2012 18:42	11/18/2012 18:42
068SW-0016-0001-SW MS	240-17477-4 MS	11/18/2012 18:57	11/18/2012 18:57
068SW-0016-0001-SW MSD	240-17477-4 MSD	11/18/2012 19:12	11/18/2012 19:12
	LCS 240-64779/14-A	11/18/2012 19:27	11/18/2012 19:27

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: MB 240-65753/23-A

Matrix: Solid Date Extracted: 11/20/2012 11:06

Lab File ID:(1) P1300018.D Lab File ID:(2) P1300018.D

Date Analyzed:(1) 11/27/2012 05:50 Date Analyzed:(2) 11/27/2012 05:50

Instrument ID:(1) A2HP13 Instrument ID:(2) A2HP13

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
079SS-0004M-0001-SO	240-17477-6	11/27/2012 05:06	11/27/2012 05:06
079SS-0004M-0001-SO MS	240-17477-6 MS	11/27/2012 05:21	11/27/2012 05:21
079SS-0004M-0001-SO MSD	240-17477-6 MSD	11/27/2012 05:35	11/27/2012 05:35
079SS-0005M-0001-SO	240-17477-7	11/27/2012 06:20	11/27/2012 06:20
	LCS 240-65753/24-A	11/27/2012 08:35	11/27/2012 08:35

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: CCV 240-65363/3 Date Analyzed: 11/18/2012 14:13

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P1300003.D Heated Purge: (Y/N) N

Calibration ID: 12036

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.29	7.06	
UPPER LIMIT				1.39	7.16	
LOWER LIMIT				1.19	6.96	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-65363/3 CCVRT		11/18/2012 14:13	P1300003.D	1.29	7.06	
MB 240-64779/13-A		11/18/2012 17:27	P1300016.D	1.30	7.06	
CCV 240-65363/17		11/18/2012 17:42	P1300017.D	1.29	7.06	
240-17477-1	068SW-0013-0001-SW	11/18/2012 17:57	P1300018.D	1.29	7.06	
240-17477-2	068SW-0014-0001-SW	11/18/2012 18:12	P1300019.D	1.30	7.06	
240-17477-3	068SW-0015-0001-SW	11/18/2012 18:27	P1300020.D	1.29	7.06	
240-17477-4	068SW-0016-0001-SW	11/18/2012 18:42	P1300021.D	1.30	7.06	
240-17477-4 MS	068SW-0016-0001-SW MS	11/18/2012 18:57	P1300022.D	1.29	7.06	
240-17477-4 MSD	068SW-0016-0001-SW MSD	11/18/2012 19:12	P1300023.D	1.30	7.06	
LCS 240-64779/14-A		11/18/2012 19:27	P1300024.D	1.30	7.06	
CCV 240-65363/25		11/18/2012 19:41	P1300025.D	1.29	7.06	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: CCV 240-65363/3 Date Analyzed: 11/18/2012 14:13

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P1300003.D Heated Purge: (Y/N) N

Calibration ID: 12037

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.65	8.22	
UPPER LIMIT				1.75	8.32	
LOWER LIMIT				1.55	8.12	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-65363/3 CCVRT		11/18/2012 14:13	P1300003.D	1.65	8.22	
MB 240-64779/13-A		11/18/2012 17:27	P1300016.D	1.65	8.22	
CCV 240-65363/17		11/18/2012 17:42	P1300017.D	1.65	8.22	
240-17477-1	068SW-0013-0001-SW	11/18/2012 17:57	P1300018.D	1.65	8.22	
240-17477-2	068SW-0014-0001-SW	11/18/2012 18:12	P1300019.D	1.65	8.22	
240-17477-3	068SW-0015-0001-SW	11/18/2012 18:27	P1300020.D	1.65	8.22	
240-17477-4	068SW-0016-0001-SW	11/18/2012 18:42	P1300021.D	1.65	8.22	
240-17477-4 MS	068SW-0016-0001-SW MS	11/18/2012 18:57	P1300022.D	1.65	8.22	
240-17477-4 MSD	068SW-0016-0001-SW MSD	11/18/2012 19:12	P1300023.D	1.65	8.22	
LCS 240-64779/14-A		11/18/2012 19:27	P1300024.D	1.65	8.22	
CCV 240-65363/25		11/18/2012 19:41	P1300025.D	1.65	8.22	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: CCV 240-66323/4 Date Analyzed: 11/27/2012 02:21

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P1300004.D Heated Purge: (Y/N) N

Calibration ID: 12036

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.29	7.07	
UPPER LIMIT				1.39	7.17	
LOWER LIMIT				1.19	6.97	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-66323/4 CCVRT		11/27/2012 02:21	P1300004.D	1.29	7.07	
240-17477-6	079SS-0004M-0001-SO	11/27/2012 05:06	P1300015.D	1.29	7.06	
240-17477-6 MS	079SS-0004M-0001-SO MS	11/27/2012 05:21	P1300016.D	1.29	7.06	
240-17477-6 MSD	079SS-0004M-0001-SO MSD	11/27/2012 05:35	P1300017.D	1.29	7.06	
MB 240-65753/23-A		11/27/2012 05:50	P1300018.D	1.29	7.07	
CCV 240-66323/19		11/27/2012 06:05	P1300019.D	1.29	7.07	
240-17477-7	079SS-0005M-0001-SO	11/27/2012 06:20	P1300020.D	1.30	7.07	
LCS 240-65753/24-A		11/27/2012 08:35	P1300029.D	1.29	7.06	
CCV 240-66323/30		11/27/2012 08:49	P1300030.D	1.29	7.07	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Sample No.: CCV 240-66323/4 Date Analyzed: 11/27/2012 02:21

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P1300004.D Heated Purge: (Y/N) N

Calibration ID: 12037

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.65	8.22	
UPPER LIMIT				1.75	8.32	
LOWER LIMIT				1.55	8.12	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-66323/4 CCVRT		11/27/2012 02:21	P1300004.D	1.65	8.22	
240-17477-6	079SS-0004M-0001-SO	11/27/2012 05:06	P1300015.D	1.65	8.22	
240-17477-6 MS	079SS-0004M-0001-SO MS	11/27/2012 05:21	P1300016.D	1.65	8.22	
240-17477-6 MSD	079SS-0004M-0001-SO MSD	11/27/2012 05:35	P1300017.D	1.65	8.22	
MB 240-65753/23-A		11/27/2012 05:50	P1300018.D	1.65	8.22	
CCV 240-66323/19		11/27/2012 06:05	P1300019.D	1.65	8.22	
240-17477-7	079SS-0005M-0001-SO	11/27/2012 06:20	P1300020.D	1.65	8.22	
LCS 240-65753/24-A		11/27/2012 08:35	P1300029.D	1.65	8.22	
CCV 240-66323/30		11/27/2012 08:49	P1300030.D	1.65	8.22	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW MS Lab Sample ID: 240-17477-4 MS

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 11/18/2012 18:57 Date Analyzed (2): 11/18/2012 18:57

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.15	2.09	2.19	4.38	4.52	9.5
		2	2.57	2.52	2.62	4.46		
		3	3.05	3.00	3.10	5.35		
		4	3.20	3.15	3.25	4.60		
		5	3.85	3.80	3.90	3.83		
	2	1	1.59	1.54	1.64	3.54	4.11	
		2	1.90	1.85	1.95	3.82		
		3	2.33	2.28	2.38	4.65		
		4	2.46	2.41	2.51	4.61		
		5	2.87	2.82	2.92	3.94		
Aroclor-1260	1	1	5.14	5.09	5.19	4.41	4.55	12.7
		2	5.39	5.33	5.43	4.78		
		3	5.77	5.72	5.82	4.51		
		4	6.51	6.45	6.55	4.62		
		5	6.91	6.86	6.96	4.44		
	2	1	4.17	4.12	4.22	4.03	4.01	
		2	4.48	4.43	4.53	4.01		
		3	4.77	4.72	4.82	4.04		
		4	5.53	5.48	5.58	4.03		
		5	5.83	5.78	5.88	3.92		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW MSD Lab Sample ID: 240-17477-4 MSD

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 11/18/2012 19:12 Date Analyzed (2): 11/18/2012 19:12

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.15	2.09	2.19	4.42	4.53	14.4
		2	2.57	2.52	2.62	4.43		
		3	3.05	3.00	3.10	5.21		
		4	3.20	3.15	3.25	4.54		
		5	3.85	3.80	3.90	4.05		
	2	1	1.60	1.54	1.64	3.54	3.92	
		2	1.90	1.85	1.95	3.68		
		3	2.33	2.28	2.38	4.53		
		4	2.46	2.41	2.51	3.97		
		5	2.88	2.82	2.92	3.88		
Aroclor-1260	1	1	5.14	5.09	5.19	4.27	4.36	12.9
		2	5.39	5.33	5.43	4.66		
		3	5.77	5.72	5.82	4.41		
		4	6.51	6.45	6.55	4.33		
		5	6.91	6.86	6.96	4.12		
	2	1	4.17	4.12	4.22	3.93	3.83	
		2	4.48	4.43	4.53	3.89		
		3	4.78	4.72	4.82	3.91		
		4	5.53	5.48	5.58	3.78		
		5	5.83	5.78	5.88	3.65		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS Lab Sample ID: 240-17477-6 MS

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 11/27/2012 05:21 Date Analyzed (2): 11/27/2012 05:21

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.15	2.10	2.20	226	223	9.6
		2	2.57	2.52	2.62	215		
		3	3.05	3.00	3.10	248		
		4	3.20	3.15	3.25	222		
		5	3.85	3.80	3.90	204		
	2	1	1.59	1.50	1.60	194	203	
		2	1.90	1.85	1.95	209		
		3	2.33	2.28	2.38	208		
		4	2.46	2.41	2.51	208		
		5	2.87	2.82	2.92	195		
Aroclor-1260	1	1	5.14	5.09	5.19	210	225	20.2
		2	5.38	5.33	5.43	231		
		3	5.77	5.72	5.82	224		
		4	6.50	6.45	6.55	235		
		5	6.91	6.86	6.96	226		
	2	1	4.17	4.12	4.22	178	184	
		2	4.48	4.42	4.52	184		
		3	4.77	4.72	4.82	187		
		4	5.53	5.48	5.58	183		
		5	5.83	5.78	5.88	187		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD Lab Sample ID: 240-17477-6 MSD

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 11/27/2012 05:35 Date Analyzed (2): 11/27/2012 05:35

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.15	2.10	2.20	252	253	9.6
		2	2.57	2.52	2.62	242		
		3	3.05	3.00	3.10	286		
		4	3.20	3.15	3.25	253		
		5	3.85	3.80	3.90	231		
	2	1	1.59	1.50	1.60	228	230	
		2	1.90	1.85	1.95	228		
		3	2.33	2.28	2.38	239		
		4	2.46	2.41	2.51	235		
		5	2.87	2.82	2.92	219		
Aroclor-1260	1	1	5.14	5.09	5.19	239	262	19.7
		2	5.38	5.33	5.43	267		
		3	5.77	5.72	5.82	260		
		4	6.50	6.45	6.55	276		
		5	6.91	6.86	6.96	264		
	2	1	4.17	4.12	4.22	204	215	
		2	4.48	4.42	4.52	212		
		3	4.78	4.72	4.82	218		
		4	5.53	5.48	5.58	216		
		5	5.83	5.78	5.88	224		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-64779/14-A

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 11/18/2012 19:27 Date Analyzed (2): 11/18/2012 19:27

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.15	2.09	2.19	4.42	4.39	15.0
		2	2.57	2.52	2.62	4.23		
		3	3.05	3.00	3.10	4.93		
		4	3.20	3.15	3.25	4.38		
		5	3.85	3.80	3.90	4.01		
	2	1	1.59	1.54	1.64	3.59	3.78	
		2	1.90	1.85	1.95	3.70		
		3	2.33	2.28	2.38	4.33		
		4	2.46	2.41	2.51	3.47		
		5	2.87	2.82	2.92	3.81		
Aroclor-1260	1	1	5.14	5.09	5.19	4.38	4.71	14.2
		2	5.39	5.33	5.43	4.87		
		3	5.77	5.72	5.82	4.62		
		4	6.51	6.45	6.55	4.92		
		5	6.91	6.86	6.96	4.75		
	2	1	4.17	4.12	4.22	4.01	4.08	
		2	4.48	4.43	4.53	4.05		
		3	4.78	4.72	4.82	4.05		
		4	5.53	5.48	5.58	4.20		
		5	5.83	5.78	5.88	4.10		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-65753/24-A

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 11/27/2012 08:35 Date Analyzed (2): 11/27/2012 08:35

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.15	2.09	2.19	226	254	12.6
		2	2.57	2.52	2.62	255		
		3	3.05	3.00	3.10	278		
		4	3.20	3.15	3.25	270		
		5	3.85	3.80	3.90	240		
	2	1	1.59	1.54	1.64	192	224	
		2	1.90	1.85	1.95	221		
		3	2.33	2.28	2.38	235		
		4	2.46	2.41	2.51	236		
		5	2.87	2.82	2.92	234		
Aroclor-1260	1	1	5.14	5.09	5.19	268	286	11.7
		2	5.38	5.33	5.43	295		
		3	5.77	5.72	5.82	282		
		4	6.50	6.45	6.55	300		
		5	6.91	6.86	6.96	287		
	2	1	4.17	4.12	4.22	244	255	
		2	4.48	4.43	4.53	249		
		3	4.78	4.73	4.83	255		
		4	5.53	5.48	5.58	261		
		5	5.83	5.78	5.88	265		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0013-0001-SW Lab Sample ID: 240-17477-1

Matrix: Water Lab File ID: P1300018.D

Analysis Method: 8082/DOD Date Collected: 11/08/2012 14:00

Extraction Method: 3520C Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) Date Analyzed: 11/18/2012 17:57

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		40-140
2051-24-3	DCB Decachlorobiphenyl	74		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300018.D		
Lims ID:	240-17477-C-1-A	Client ID:	068SW-0013-0001-SW
Inject. Date:	18-Nov-2012 17:57:34	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015025-018		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	18
Lims Batch ID:	65363	Lims Sample ID:	18
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m		
Last Update:	19-Nov-2012 11:08:36	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: hassl Date: 19-Nov-2012 11:06:04

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.292	1.291	0.001	73166156	0.0321			
2	2	1.649	1.647	0.002	53611511	0.0373			
						RPD = 15.16			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100		1.589						
1	2		1.898						
1	3		2.325						
1	4		2.457						
1	5		2.870						
2	6		2.143						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									1
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.165						
1	2		4.475						
1	3		4.774						
1	4		5.525						
1	5		5.828						
2	6		5.136						
2	7		5.384						
2	8		5.771						
2	9		6.504						
2	10		6.907						
$ 12 DCB Decachlorobiphenyl									
1	100	7.062	7.063	-0.001	68796943	0.0295			
2	2	8.219	8.219	0.000	41945099	0.0311			
						RPD = 5.52			

QC Flag Legend

Processing Flags
1 - Missing Peaks

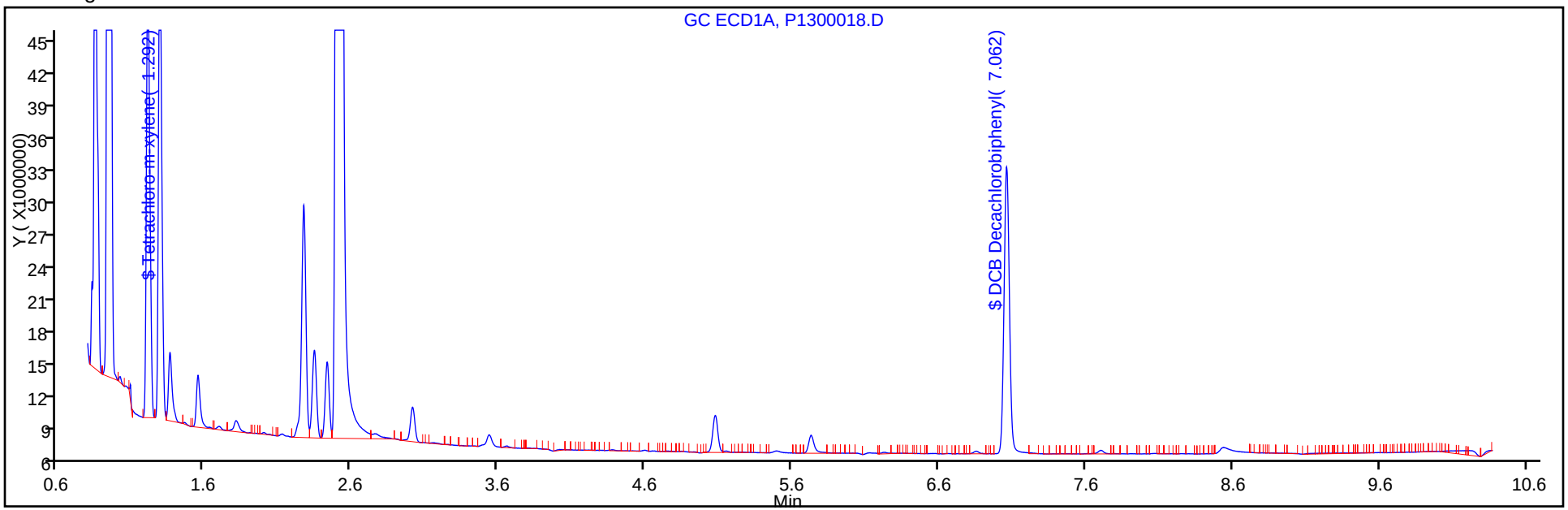
Report Date: 19-Nov-2012 11:08:45 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

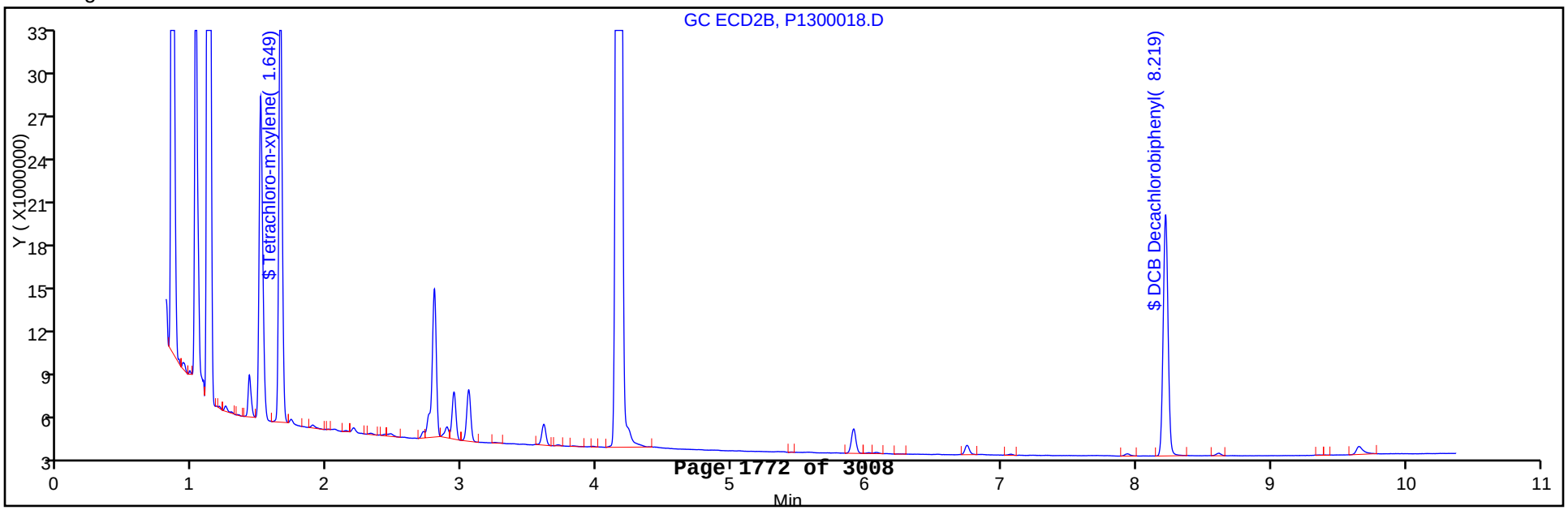
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300018.D

Injection Date:	18-Nov-2012 17:57:34	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0013-0001-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0013-0001-SW | Lab Sample ID: 240-17477-1

Matrix: Water | Lab File ID: P1300018.D

Analysis Method: 8082/DOD | Date Collected: 11/08/2012 14:00

Extraction Method: 3520C | Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) | Date Analyzed: 11/18/2012 17:57

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.19	U	0.48	0.19	0.12
12674-11-2	Aroclor-1016	0.19	U	0.48	0.19	0.16
11141-16-5	Aroclor-1232	0.19	U	0.48	0.19	0.15
53469-21-9	Aroclor-1242	0.38	U	0.48	0.38	0.21
12672-29-6	Aroclor-1248	0.19	U	0.48	0.19	0.095
11097-69-1	Aroclor-1254	0.19	U	0.48	0.19	0.15
11096-82-5	Aroclor-1260	0.19	U	0.48	0.19	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		40-140
2051-24-3	DCB Decachlorobiphenyl	78		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300018.D		
Lims ID:	240-17477-C-1-A	Client ID:	068SW-0013-0001-SW
Inject. Date:	18-Nov-2012 17:57:34	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015025-018		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	18
Lims Batch ID:	65363	Lims Sample ID:	18
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m		
Last Update:	19-Nov-2012 11:08:36	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: hassl Date: 19-Nov-2012 11:06:04

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.292	1.291	0.001	73166156	0.0321			
2	2	1.649	1.647	0.002	53611511	0.0373			
						RPD = 15.16			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100		1.589						
1	2		1.898						
1	3		2.325						
1	4		2.457						
1	5		2.870						
2	6		2.143						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									1
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.165						
1	2		4.475						
1	3		4.774						
1	4		5.525						
1	5		5.828						
2	6		5.136						
2	7		5.384						
2	8		5.771						
2	9		6.504						
2	10		6.907						
$ 12 DCB Decachlorobiphenyl									
1	100	7.062	7.063	-0.001	68796943	0.0295			
2	2	8.219	8.219	0.000	41945099	0.0311			
						RPD = 5.52			

QC Flag Legend

Processing Flags
1 - Missing Peaks

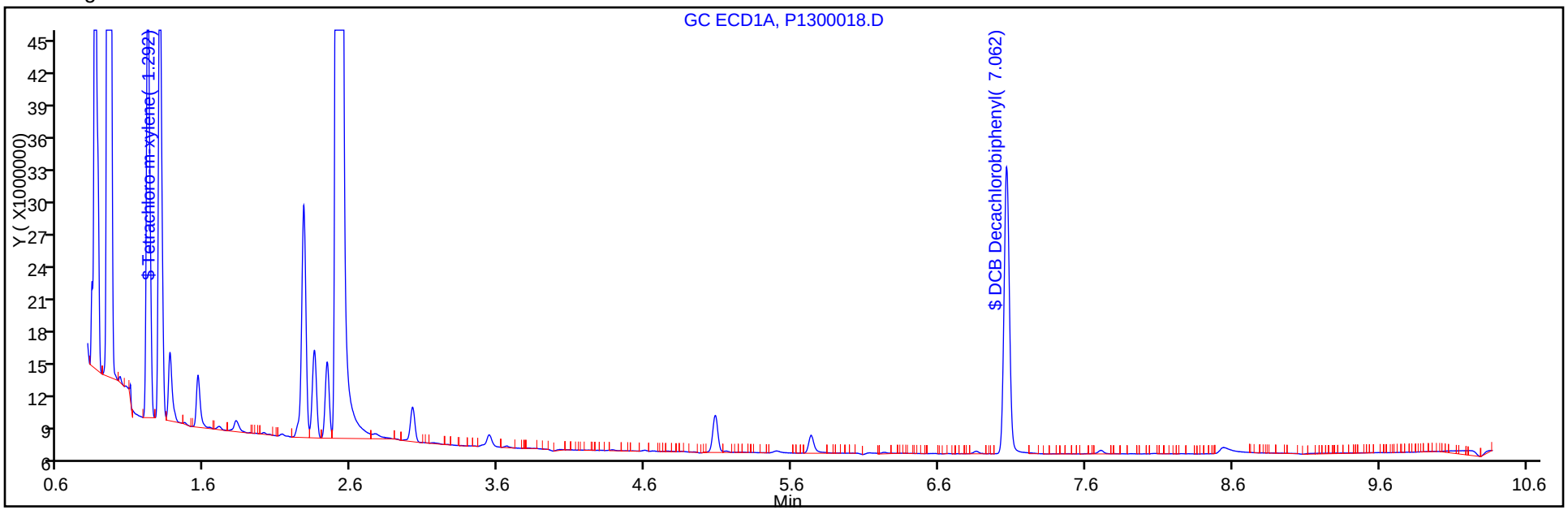
Report Date: 19-Nov-2012 11:08:45 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

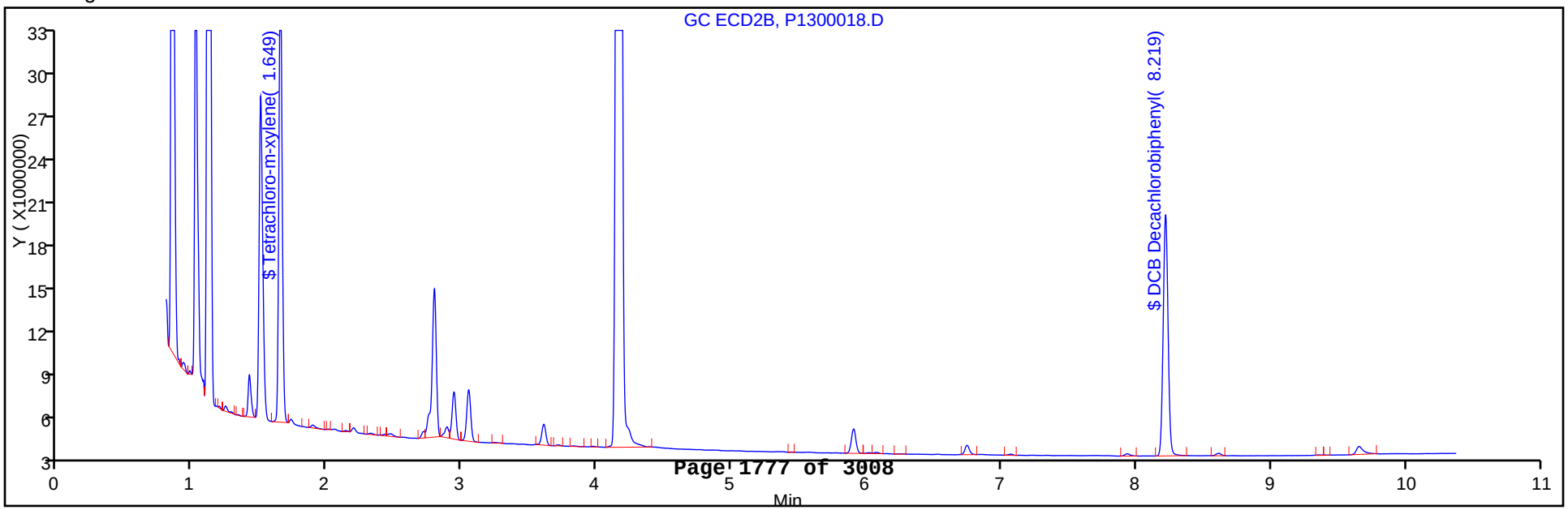
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300018.D

Injection Date:	18-Nov-2012 17:57:34	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0013-0001-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0014-0001-SW Lab Sample ID: 240-17477-2

Matrix: Water Lab File ID: P1300019.D

Analysis Method: 8082/DOD Date Collected: 11/08/2012 13:25

Extraction Method: 3520C Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) Date Analyzed: 11/18/2012 18:12

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	73		40-140
2051-24-3	DCB Decachlorobiphenyl	68		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300019.D		
Lims ID:	240-17477-B-2-A	Client ID:	068SW-0014-0001-SW
Inject. Date:	18-Nov-2012 18:12:34	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015025-019		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	19
Lims Batch ID:	65363	Lims Sample ID:	19
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m		
Last Update:	19-Nov-2012 11:08:36	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: hassl Date: 19-Nov-2012 11:06:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.296	1.291	0.005	66339397	0.0291			
2	2	1.654	1.647	0.007	50664764	0.0353			
						RPD = 19.27			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100		1.589						
1	2		1.898						
1	3		2.325						
1	4		2.457						
1	5		2.870						
2	6		2.143						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									1
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.165						
1	2		4.475						
1	3		4.774						
1	4		5.525						
1	5		5.828						
2	6		5.136						
2	7		5.384						
2	8		5.771						
2	9		6.504						
2	10		6.907						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	63907654	0.0274			
2	2	8.219	8.219	0.000	39438827	0.0293			
						RPD = 6.73			

QC Flag Legend

Processing Flags
1 - Missing Peaks

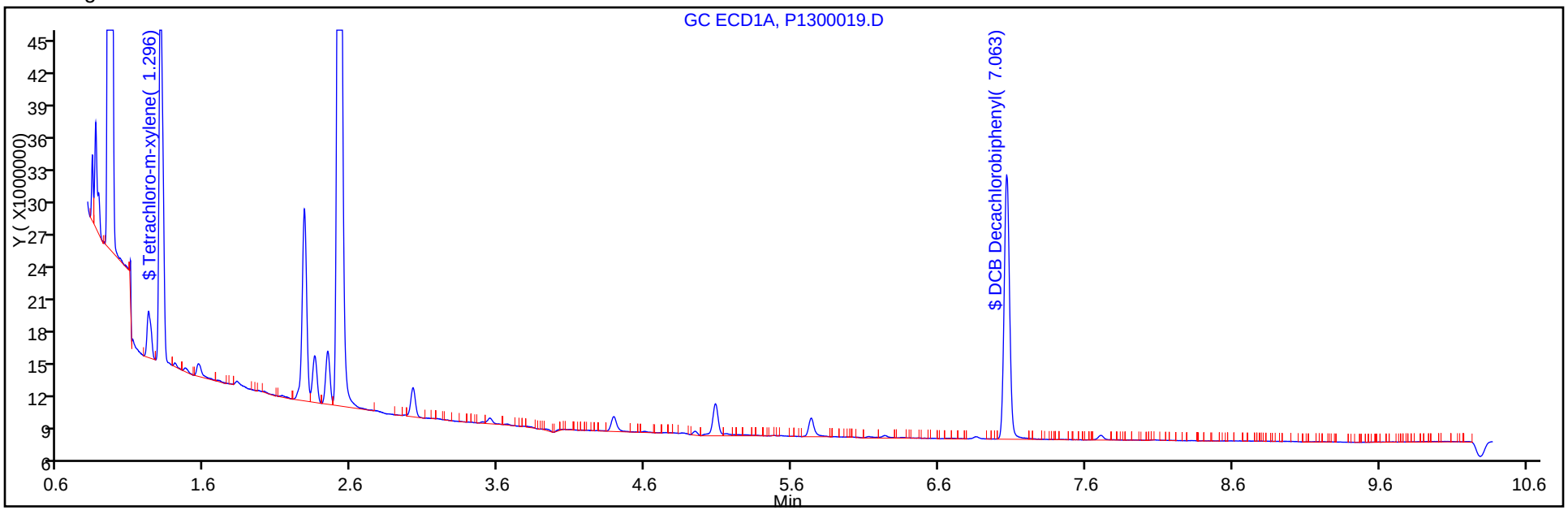
Report Date: 19-Nov-2012 11:08:44 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

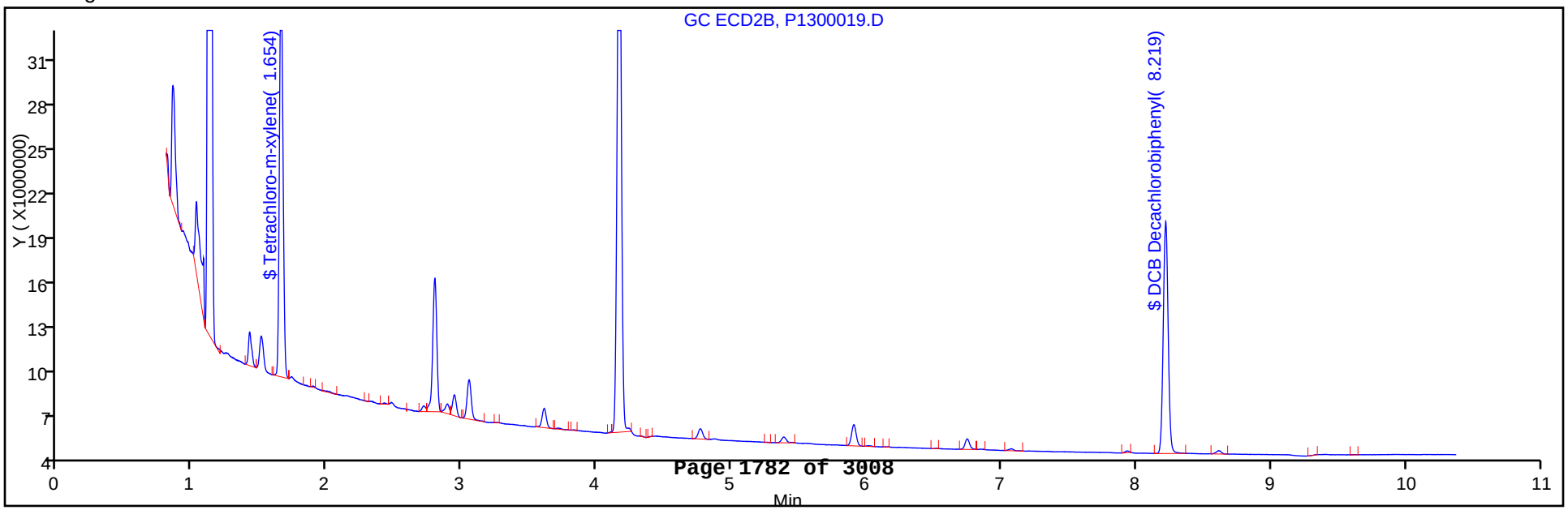
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300019.D

Injection Date:	18-Nov-2012 18:12:34	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0014-0001-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0014-0001-SW | Lab Sample ID: 240-17477-2

Matrix: Water | Lab File ID: P1300019.D

Analysis Method: 8082/DOD | Date Collected: 11/08/2012 13:25

Extraction Method: 3520C | Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) | Date Analyzed: 11/18/2012 18:12

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.19	U	0.48	0.19	0.12
12674-11-2	Aroclor-1016	0.19	U	0.48	0.19	0.16
11141-16-5	Aroclor-1232	0.19	U	0.48	0.19	0.15
53469-21-9	Aroclor-1242	0.38	U	0.48	0.38	0.21
12672-29-6	Aroclor-1248	0.19	U	0.48	0.19	0.095
11097-69-1	Aroclor-1254	0.19	U	0.48	0.19	0.15
11096-82-5	Aroclor-1260	0.19	U	0.48	0.19	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		40-140
2051-24-3	DCB Decachlorobiphenyl	73		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300019.D		
Lims ID:	240-17477-B-2-A	Client ID:	068SW-0014-0001-SW
Inject. Date:	18-Nov-2012 18:12:34	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015025-019		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	19
Lims Batch ID:	65363	Lims Sample ID:	19
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m		
Last Update:	19-Nov-2012 11:08:36	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: hassl Date: 19-Nov-2012 11:06:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.296	1.291	0.005	66339397	0.0291			
2	2	1.654	1.647	0.007	50664764	0.0353			
						RPD = 19.27			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100		1.589						
1	2		1.898						
1	3		2.325						
1	4		2.457						
1	5		2.870						
2	6		2.143						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									1
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.165						
1	2		4.475						
1	3		4.774						
1	4		5.525						
1	5		5.828						
2	6		5.136						
2	7		5.384						
2	8		5.771						
2	9		6.504						
2	10		6.907						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	63907654	0.0274			
2	2	8.219	8.219	0.000	39438827	0.0293			
						RPD = 6.73			

QC Flag Legend

Processing Flags
1 - Missing Peaks

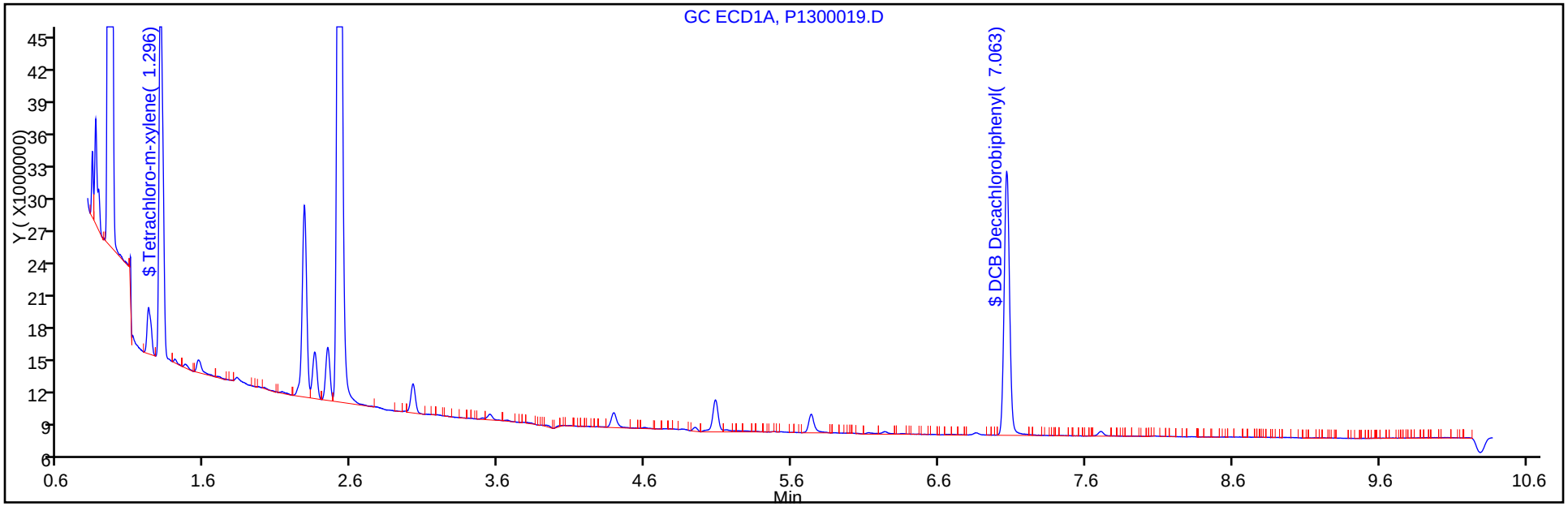
Report Date: 19-Nov-2012 11:08:44 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

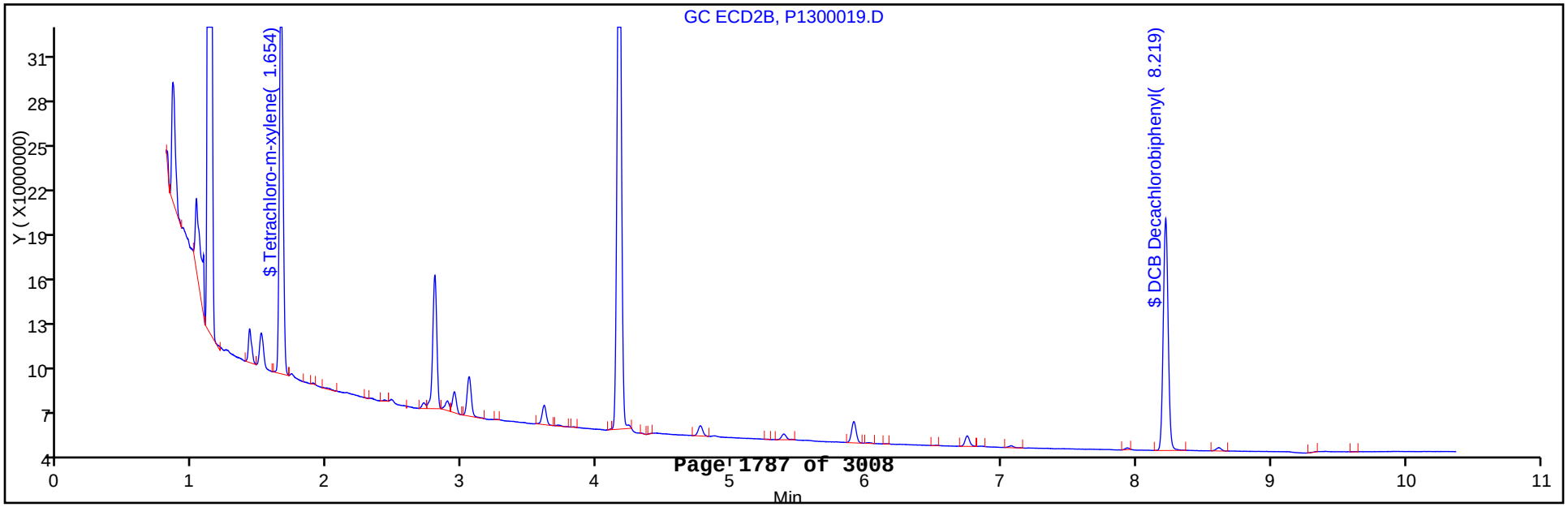
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300019.D

Injection Date:	18-Nov-2012 18:12:34	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0014-0001-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0015-0001-SW Lab Sample ID: 240-17477-3

Matrix: Water Lab File ID: P1300020.D

Analysis Method: 8082/DOD Date Collected: 11/08/2012 13:40

Extraction Method: 3520C Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) Date Analyzed: 11/18/2012 18:27

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		40-140
2051-24-3	DCB Decachlorobiphenyl	69		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300020.D		
Lims ID:	240-17477-C-3-A	Client ID:	068SW-0015-0001-SW
Inject. Date:	18-Nov-2012 18:27:27	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015025-020		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	20
Lims Batch ID:	65363	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m		
Last Update:	19-Nov-2012 11:08:36	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: hassl Date: 19-Nov-2012 11:06:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.292	1.291	0.001	73122335	0.0320			
2	2	1.649	1.647	0.002	54399264	0.0379			
						RPD = 16.67			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100		1.589						
1	2		1.898						
1	3		2.325						
1	4		2.457						
1	5		2.870						
2	6		2.143						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									1
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.165						
1	2		4.475						
1	3		4.774						
1	4		5.525						
1	5		5.828						
2	6		5.136						
2	7		5.384						
2	8		5.771						
2	9		6.504						
2	10		6.907						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	64636163	0.0277			
2	2	8.221	8.219	0.002	39727705	0.0295			
						RPD = 6.33			

QC Flag Legend

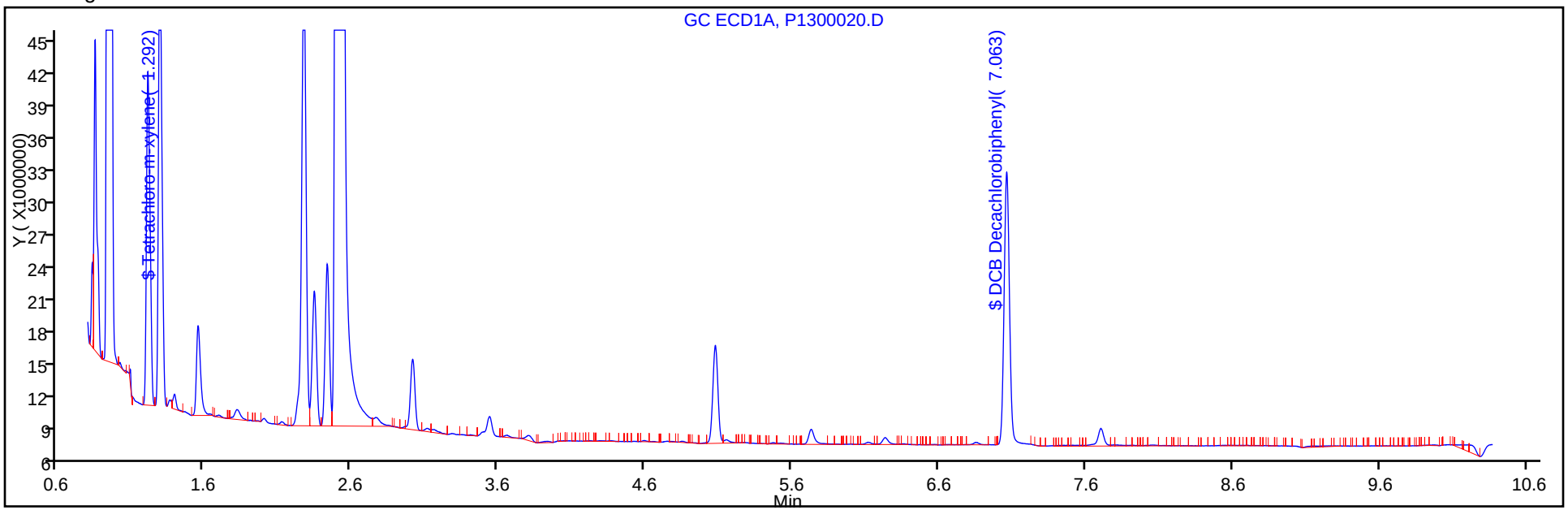
Processing Flags
1 - Missing Peaks

Report Date: 19-Nov-2012 11:08:43 Chrom Revision: 2.0 15-Nov-2012 14:43:54

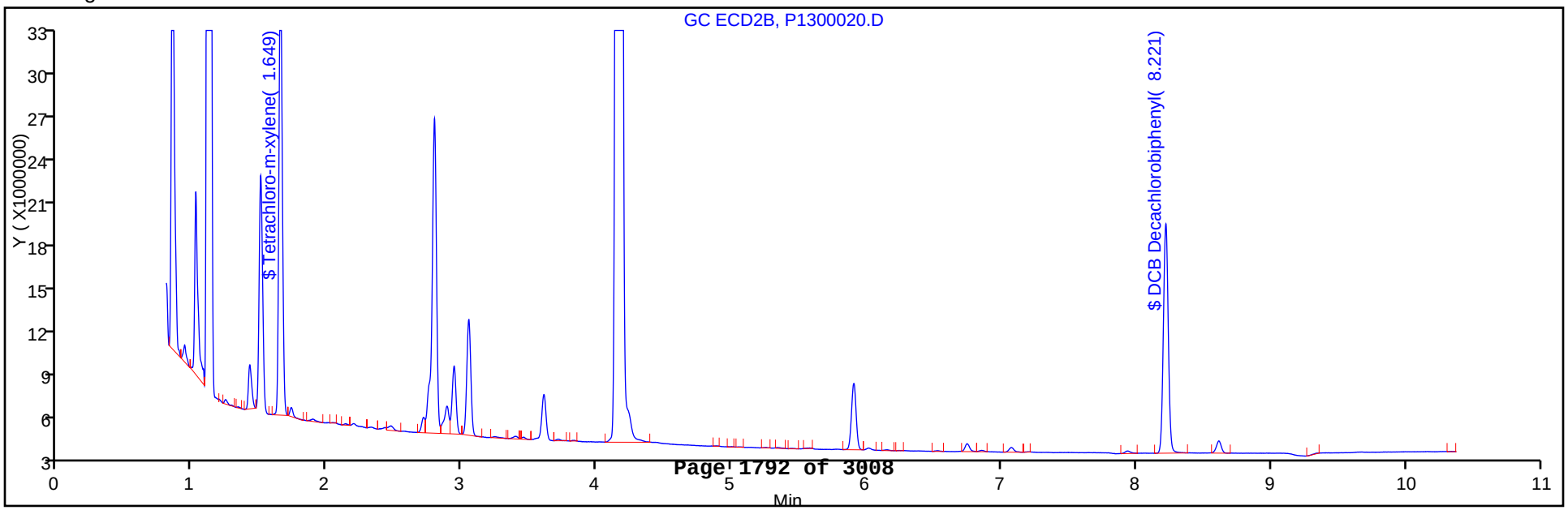
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300020.D		
Injection Date:	18-Nov-2012 18:27:27	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0015-0001-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0015-0001-SW Lab Sample ID: 240-17477-3

Matrix: Water Lab File ID: P1300020.D

Analysis Method: 8082/DOD Date Collected: 11/08/2012 13:40

Extraction Method: 3520C Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) Date Analyzed: 11/18/2012 18:27

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.19	U	0.48	0.19	0.12
12674-11-2	Aroclor-1016	0.19	U	0.48	0.19	0.16
11141-16-5	Aroclor-1232	0.19	U	0.48	0.19	0.15
53469-21-9	Aroclor-1242	0.38	U	0.48	0.38	0.21
12672-29-6	Aroclor-1248	0.19	U	0.48	0.19	0.095
11097-69-1	Aroclor-1254	0.19	U	0.48	0.19	0.15
11096-82-5	Aroclor-1260	0.19	U	0.48	0.19	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95		40-140
2051-24-3	DCB Decachlorobiphenyl	74		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300020.D		
Lims ID:	240-17477-C-3-A	Client ID:	068SW-0015-0001-SW
Inject. Date:	18-Nov-2012 18:27:27	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015025-020		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	20
Lims Batch ID:	65363	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m		
Last Update:	19-Nov-2012 11:08:36	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: hassl Date: 19-Nov-2012 11:06:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.292	1.291	0.001	73122335	0.0320			
2	2	1.649	1.647	0.002	54399264	0.0379			
						RPD = 16.67			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100		1.589						
1	2		1.898						
1	3		2.325						
1	4		2.457						
1	5		2.870						
2	6		2.143						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									1
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.165						
1	2		4.475						
1	3		4.774						
1	4		5.525						
1	5		5.828						
2	6		5.136						
2	7		5.384						
2	8		5.771						
2	9		6.504						
2	10		6.907						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	64636163	0.0277			
2	2	8.221	8.219	0.002	39727705	0.0295			
						RPD = 6.33			

QC Flag Legend

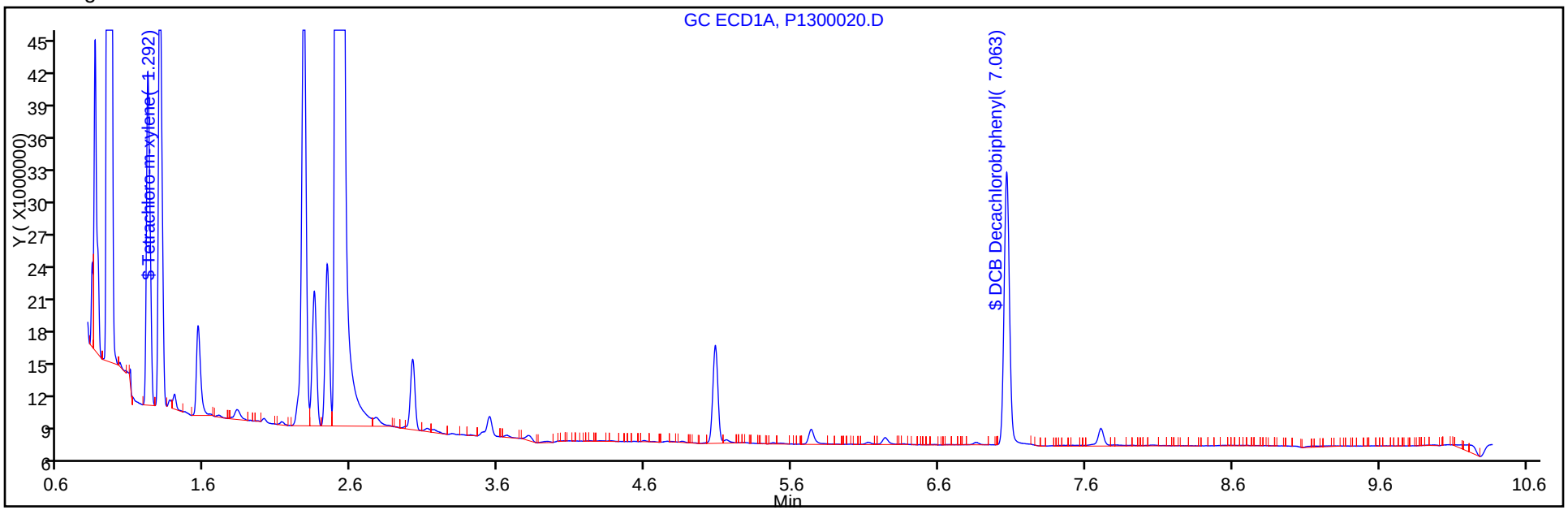
Processing Flags
1 - Missing Peaks

Report Date: 19-Nov-2012 11:08:43 Chrom Revision: 2.0 15-Nov-2012 14:43:54

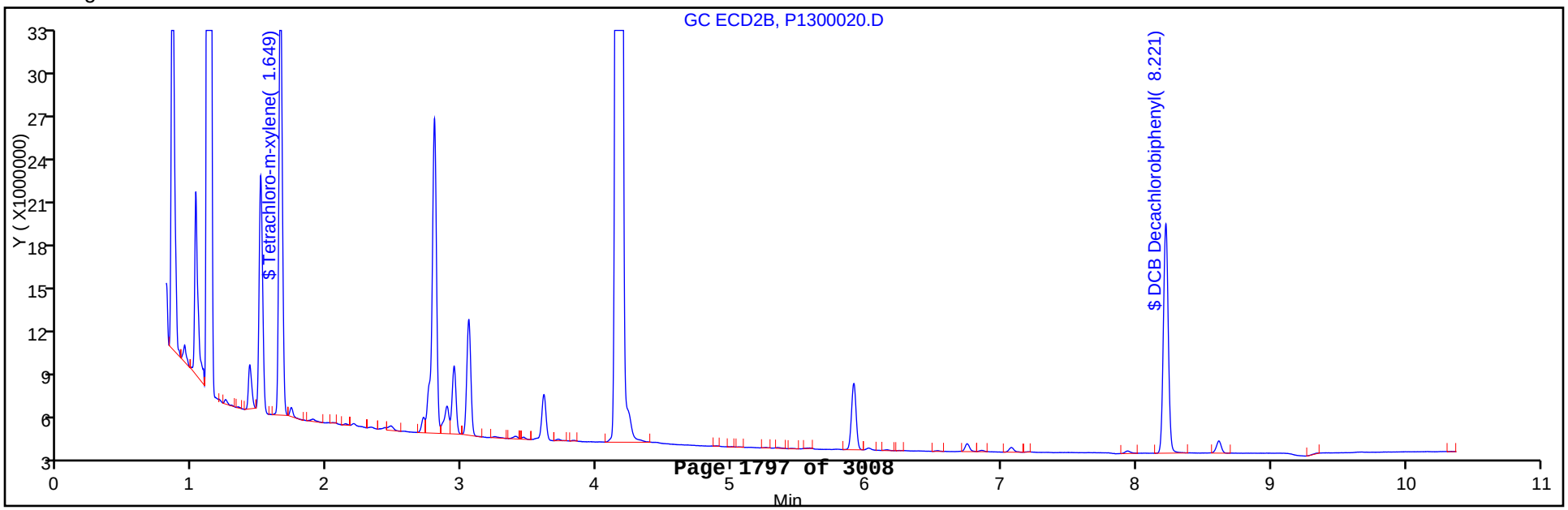
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300020.D		
Injection Date:	18-Nov-2012 18:27:27	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0015-0001-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW Lab Sample ID: 240-17477-4

Matrix: Water Lab File ID: P1300021.D

Analysis Method: 8082/DOD Date Collected: 11/08/2012 13:25

Extraction Method: 3520C Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) Date Analyzed: 11/18/2012 18:42

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	74		40-140
2051-24-3	DCB Decachlorobiphenyl	66		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300021.D		
Lims ID:	240-17477-G-4-A	Client ID:	068SW-0016-0001-SW
Inject. Date:	18-Nov-2012 18:42:21	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015025-021		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	21
Lims Batch ID:	65363	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m		
Last Update:	19-Nov-2012 11:08:36	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: hassl Date: 19-Nov-2012 11:06:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.297	1.291	0.006	67799854	0.0297			
2	2	1.653	1.647	0.006	52021934	0.0362			
						RPD = 19.73			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100		1.589						
1	2		1.898						
1	3		2.325						
1	4		2.457						
1	5		2.870						
2	6		2.143						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									1
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.165						
1	2		4.475						
1	3		4.774						
1	4		5.525						
1	5		5.828						
2	6		5.136						
2	7		5.384						
2	8		5.771						
2	9		6.504						
2	10		6.907						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	61990585	0.0266			
2	2	8.220	8.219	0.001	38394662	0.0285			
						RPD = 7.10			

QC Flag Legend

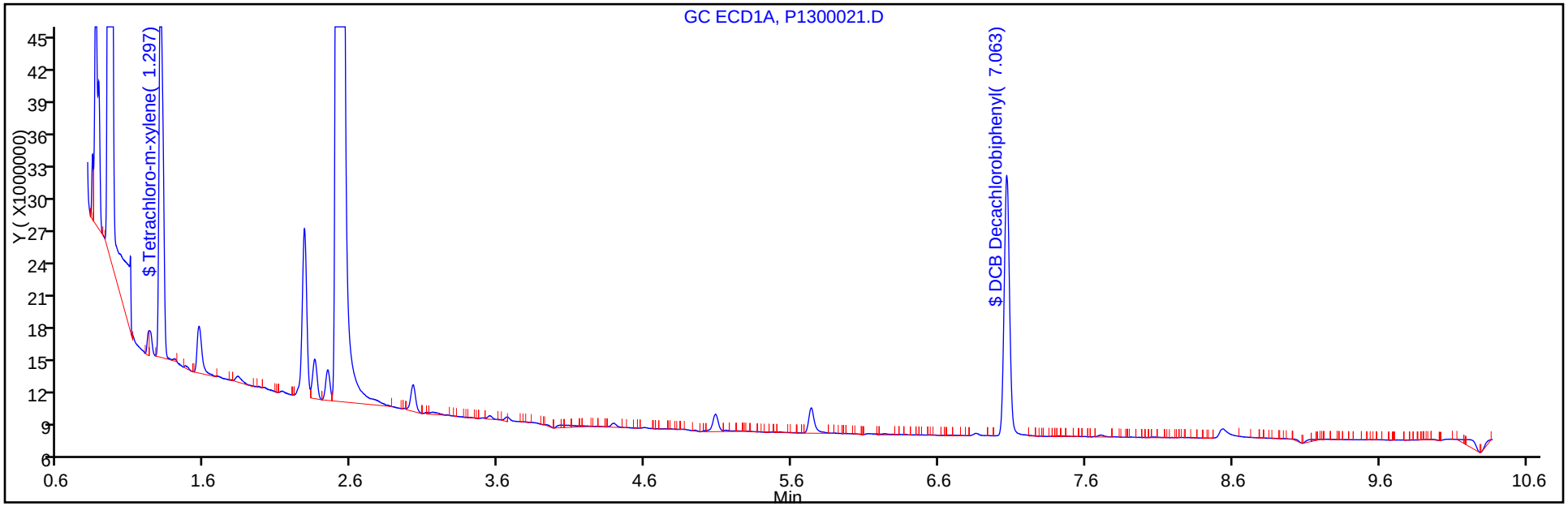
Processing Flags
1 - Missing Peaks

Report Date: 19-Nov-2012 11:08:43 Chrom Revision: 2.0 15-Nov-2012 14:43:54

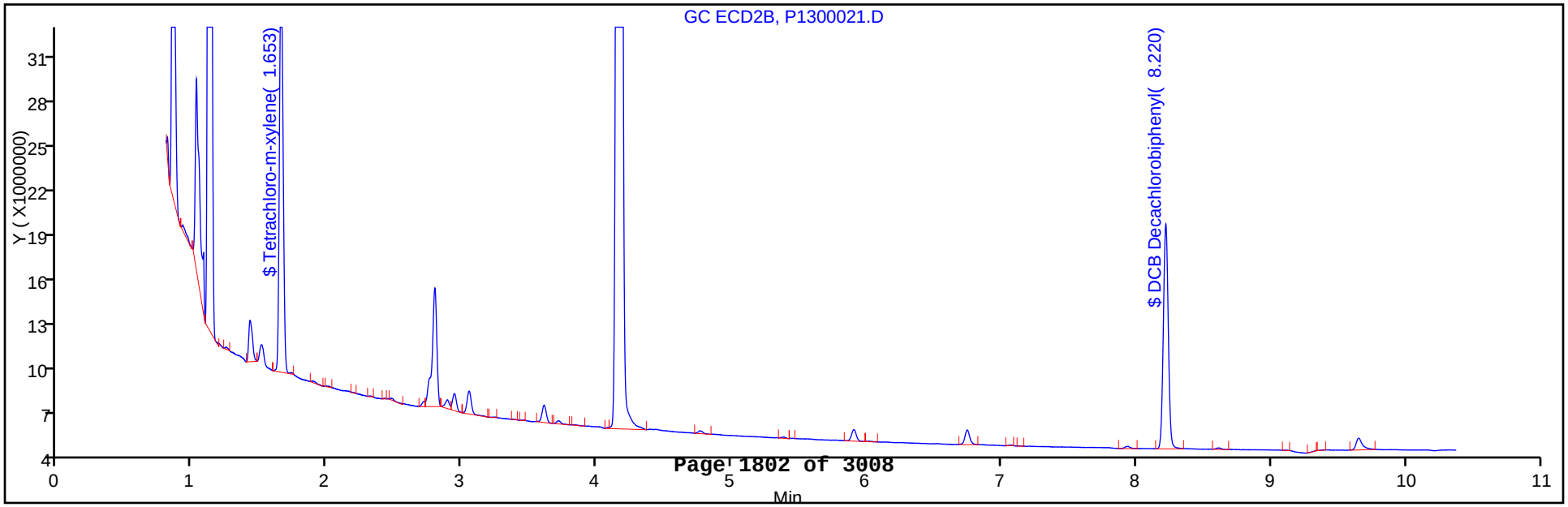
TestAmerica Canton

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300021.D		
Injection Date:	18-Nov-2012 18:42:21	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0016-0001-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW | Lab Sample ID: 240-17477-4

Matrix: Water | Lab File ID: P1300021.D

Analysis Method: 8082/DOD | Date Collected: 11/08/2012 13:25

Extraction Method: 3520C | Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) | Date Analyzed: 11/18/2012 18:42

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.19	U	0.48	0.19	0.12
12674-11-2	Aroclor-1016	0.19	U	0.48	0.19	0.16
11141-16-5	Aroclor-1232	0.19	U	0.48	0.19	0.15
53469-21-9	Aroclor-1242	0.38	U	0.48	0.38	0.21
12672-29-6	Aroclor-1248	0.19	U	0.48	0.19	0.095
11097-69-1	Aroclor-1254	0.19	U	0.48	0.19	0.15
11096-82-5	Aroclor-1260	0.19	U	0.48	0.19	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		40-140
2051-24-3	DCB Decachlorobiphenyl	71		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300021.D		
Lims ID:	240-17477-G-4-A	Client ID:	068SW-0016-0001-SW
Inject. Date:	18-Nov-2012 18:42:21	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015025-021		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	21
Lims Batch ID:	65363	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m		
Last Update:	19-Nov-2012 11:08:36	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: hassl Date: 19-Nov-2012 11:06:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.297	1.291	0.006	67799854	0.0297			
2	2	1.653	1.647	0.006	52021934	0.0362			
						RPD = 19.73			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100		1.589						
1	2		1.898						
1	3		2.325						
1	4		2.457						
1	5		2.870						
2	6		2.143						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									1
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.165						
1	2		4.475						
1	3		4.774						
1	4		5.525						
1	5		5.828						
2	6		5.136						
2	7		5.384						
2	8		5.771						
2	9		6.504						
2	10		6.907						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	61990585	0.0266			
2	2	8.220	8.219	0.001	38394662	0.0285			
						RPD = 7.10			

QC Flag Legend

Processing Flags
1 - Missing Peaks

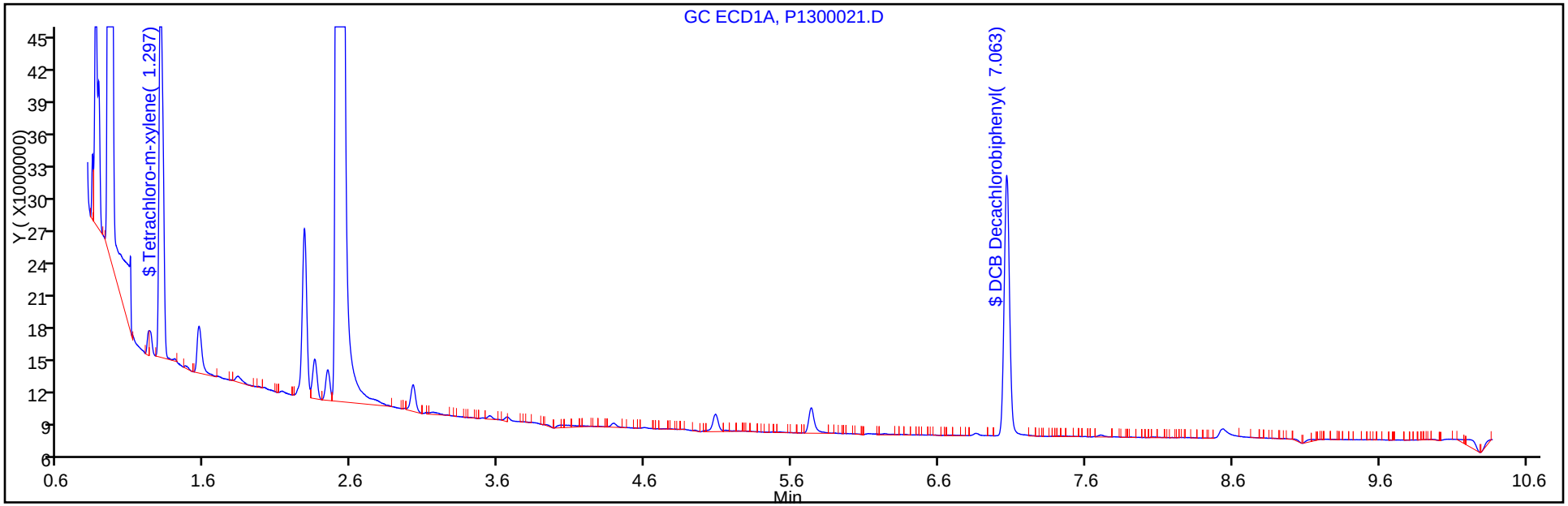
Report Date: 19-Nov-2012 11:08:43 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

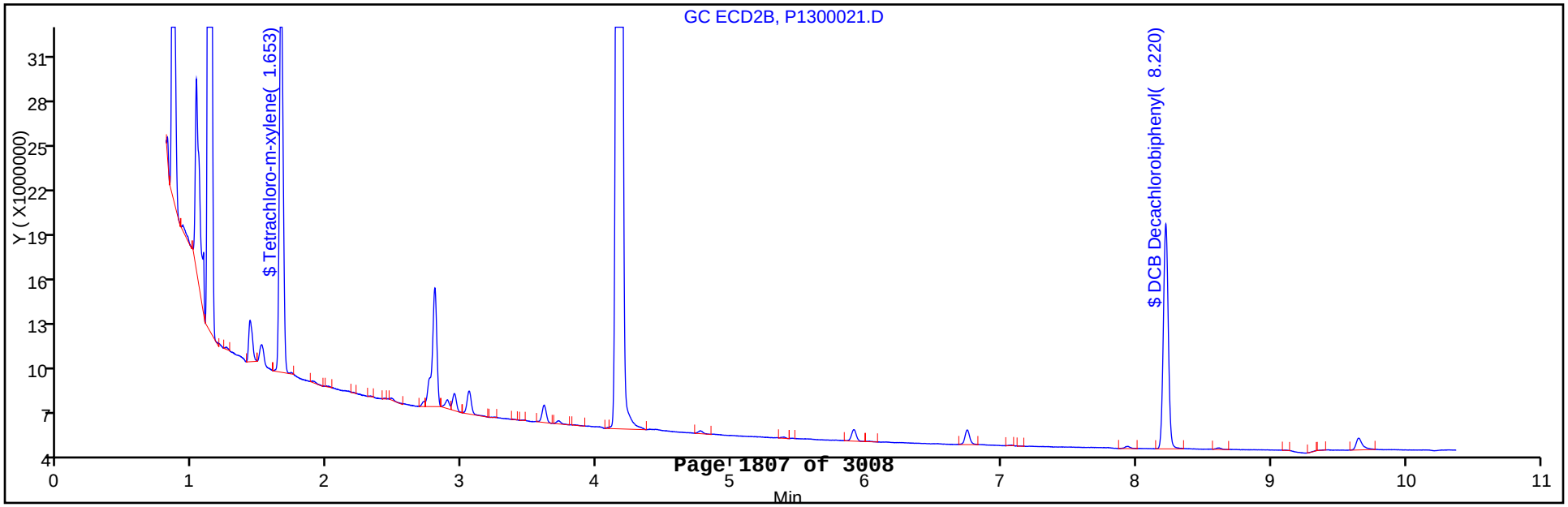
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300021.D

Injection Date:	18-Nov-2012 18:42:21	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0016-0001-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO Lab Sample ID: 240-17477-6

Matrix: Solid Lab File ID: P1300015.D

Analysis Method: 8082/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 30.22(g) Date Analyzed: 11/27/2012 05:06

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	58		40-140
2051-24-3	DCB Decachlorobiphenyl	62		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300015.D		
Lims ID:	240-17477-A-6-N	Client ID:	079SS-0004M-0001-SO
Inject. Date:	27-Nov-2012 05:06:07	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015278-015		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 1/cm	ALS Bottle#:	15
Lims Batch ID:	66323	Lims Sample ID:	15
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m		
Last Update:	27-Nov-2012 09:54:17	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		
First Level Reviewer: hassl		Date:	27-Nov-2012 09:46:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.292	0.002	26563220	0.0116			
2	2	1.650	1.648	0.002	18550255	0.0129			
						RPD = 10.37			
3 PCB-1221									1
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									
1	100		1.553						
1	2		1.900						
1	3		2.327						
1	4		2.460						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		4.167						
1	2		4.474						
1	3		4.774						
1	4		5.526						
1	5		5.828						
2	6		5.136						
2	7		5.382						
2	8		5.771						
2	9		6.503						
2	10		6.906						
9 PCB-1262									
1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						
11 PCB-1268									
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.064	7.065	-0.001	28890572	0.0124			
2	2	8.219	8.217	0.002	18396096	0.0137			
						RPD = 9.86			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

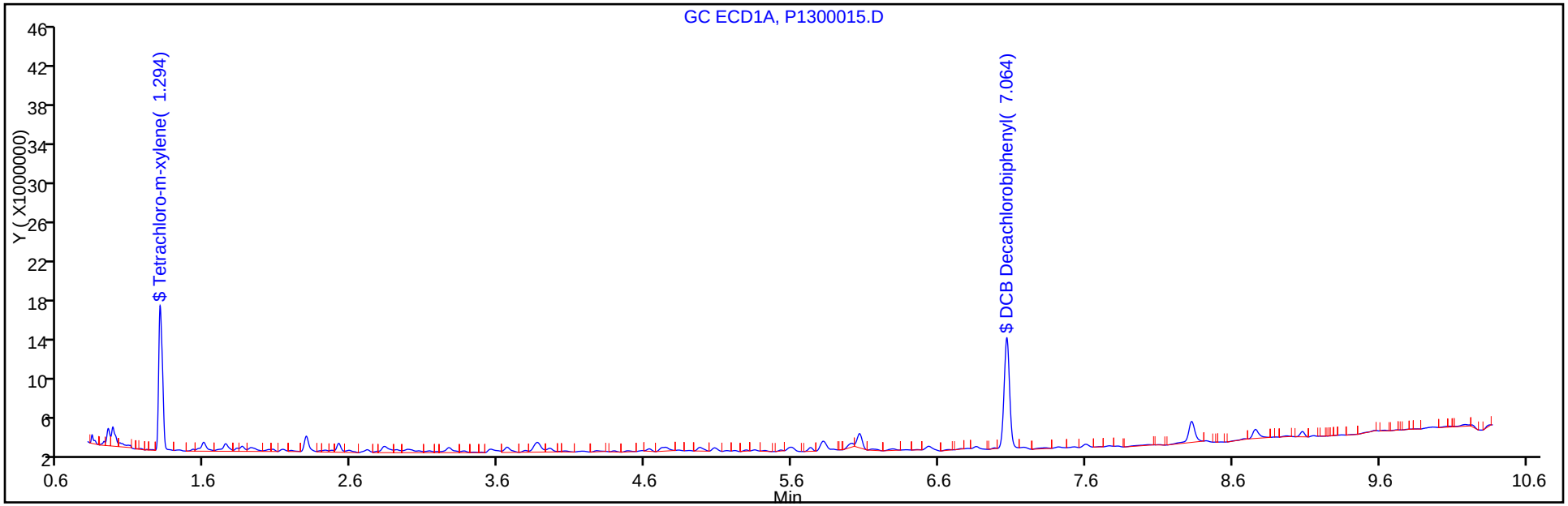
Report Date: 27-Nov-2012 09:54:23 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

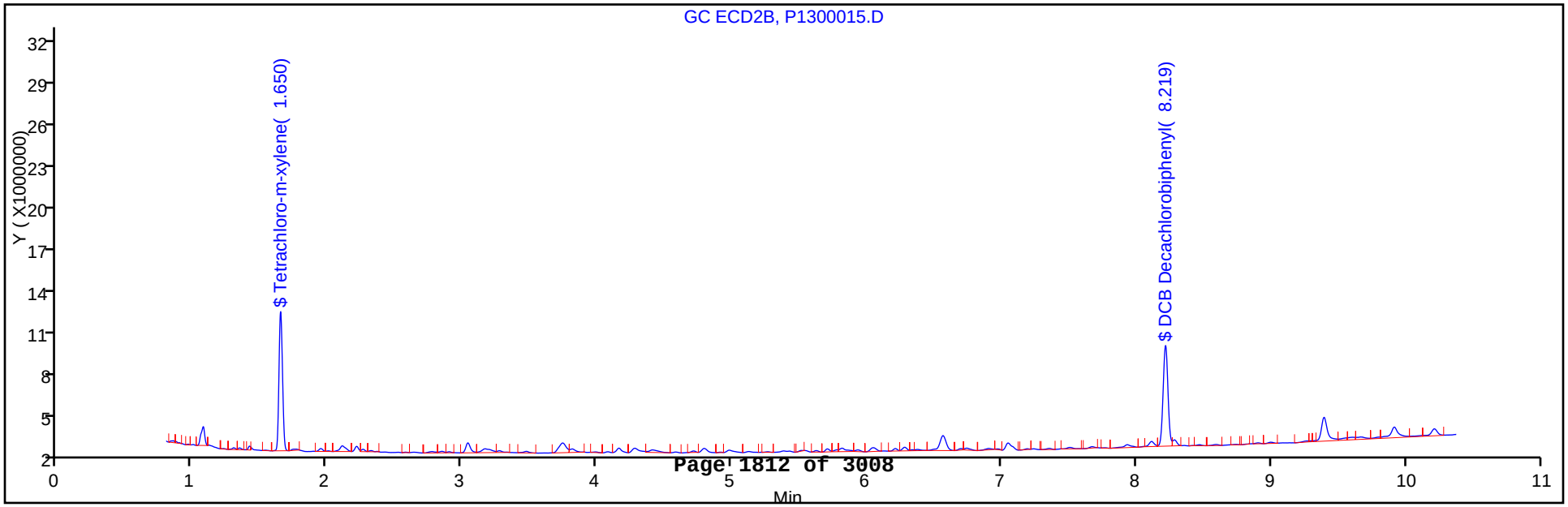
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300015.D

Injection Date:	27-Nov-2012 05:06:07	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO Lab Sample ID: 240-17477-6

Matrix: Solid Lab File ID: P1300015.D

Analysis Method: 8082/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 30.22(g) Date Analyzed: 11/27/2012 05:06

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	65		40-140
2051-24-3	DCB Decachlorobiphenyl	68		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300015.D		
Lims ID:	240-17477-A-6-N	Client ID:	079SS-0004M-0001-SO
Inject. Date:	27-Nov-2012 05:06:07	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015278-015		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 1/cm	ALS Bottle#:	15
Lims Batch ID:	66323	Lims Sample ID:	15
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m		
Last Update:	27-Nov-2012 09:54:17	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 27-Nov-2012 09:46:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.292	0.002	26563220	0.0116			
2	2	1.650	1.648	0.002	18550255	0.0129			
						RPD = 10.37			
3 PCB-1221									1
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									
1	100		1.553						
1	2		1.900						
1	3		2.327						
1	4		2.460						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		4.167						
1	2		4.474						
1	3		4.774						
1	4		5.526						
1	5		5.828						
2	6		5.136						
2	7		5.382						
2	8		5.771						
2	9		6.503						
2	10		6.906						
9 PCB-1262									
1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						
11 PCB-1268									
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.064	7.065	-0.001	28890572	0.0124			
2	2	8.219	8.217	0.002	18396096	0.0137			
						RPD = 9.86			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

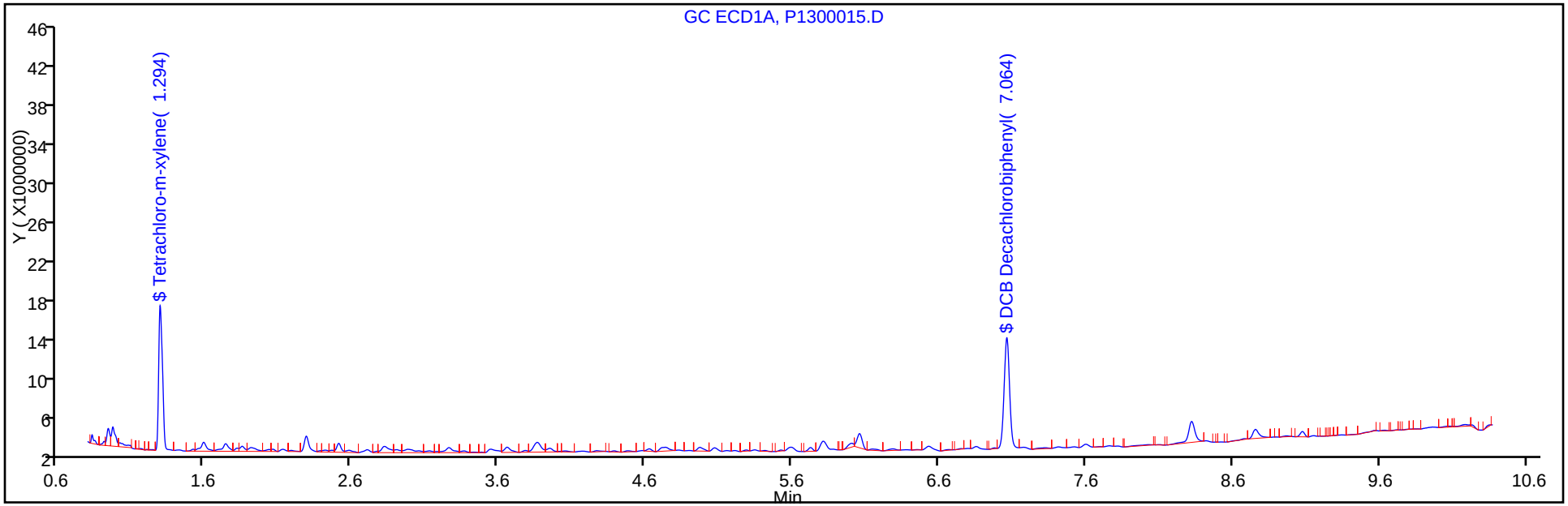
Report Date: 27-Nov-2012 09:54:23 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

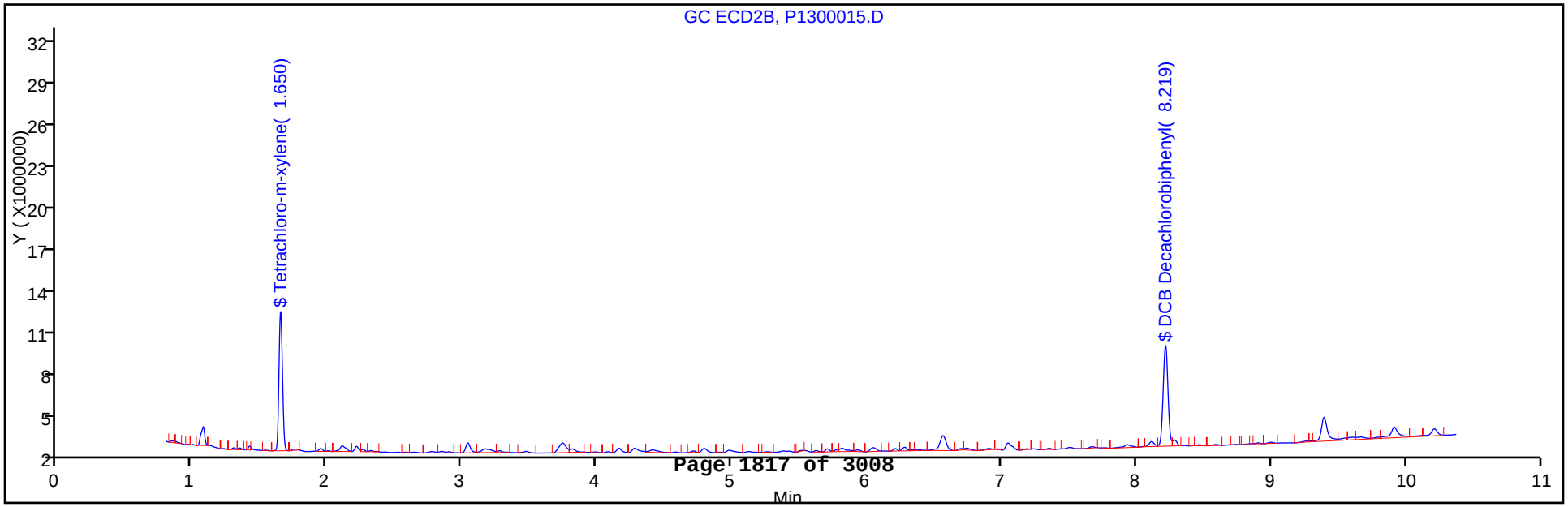
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300015.D

Injection Date:	27-Nov-2012 05:06:07	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO Lab Sample ID: 240-17477-7

Matrix: Solid Lab File ID: P1300020.D

Analysis Method: 8082/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 29.96(g) Date Analyzed: 11/27/2012 06:20

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68		40-140
2051-24-3	DCB Decachlorobiphenyl	72		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300020.D		
Lims ID:	240-17477-A-7-E	Client ID:	079SS-0005M-0001-SO
Inject. Date:	27-Nov-2012 06:20:48	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015278-020		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 1/cm	ALS Bottle#:	20
Lims Batch ID:	66323	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m		
Last Update:	27-Nov-2012 09:54:27	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		
First Level Reviewer: hassl		Date:	27-Nov-2012 09:43:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.296	1.293	0.003	31257330	0.0137			
2	2	1.649	1.648	0.001	21818132	0.0152			
						RPD = 10.32			
3 PCB-1221									1
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									
1	100		1.593						
1	2		1.902						
1	3		2.329						
1	4		2.460						
1	5		2.873						
2	6		2.144						
2	7		2.567						
2	8		3.049						
2	9		3.198						
2	10		3.849						
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		4.168						
1	2		4.478						
1	3		4.777						
1	4		5.528						
1	5		5.830						
2	6		5.135						
2	7		5.383						
2	8		5.771						
2	9		6.503						
2	10		6.905						
$ 12 DCB Decachlorobiphenyl									
1	100	7.066	7.065	0.001	33783238	0.0145			
2	2	8.217	8.218	-0.001	20027799	0.0149			
						RPD = 2.72			

QC Flag Legend

Processing Flags
1 - Missing Peaks

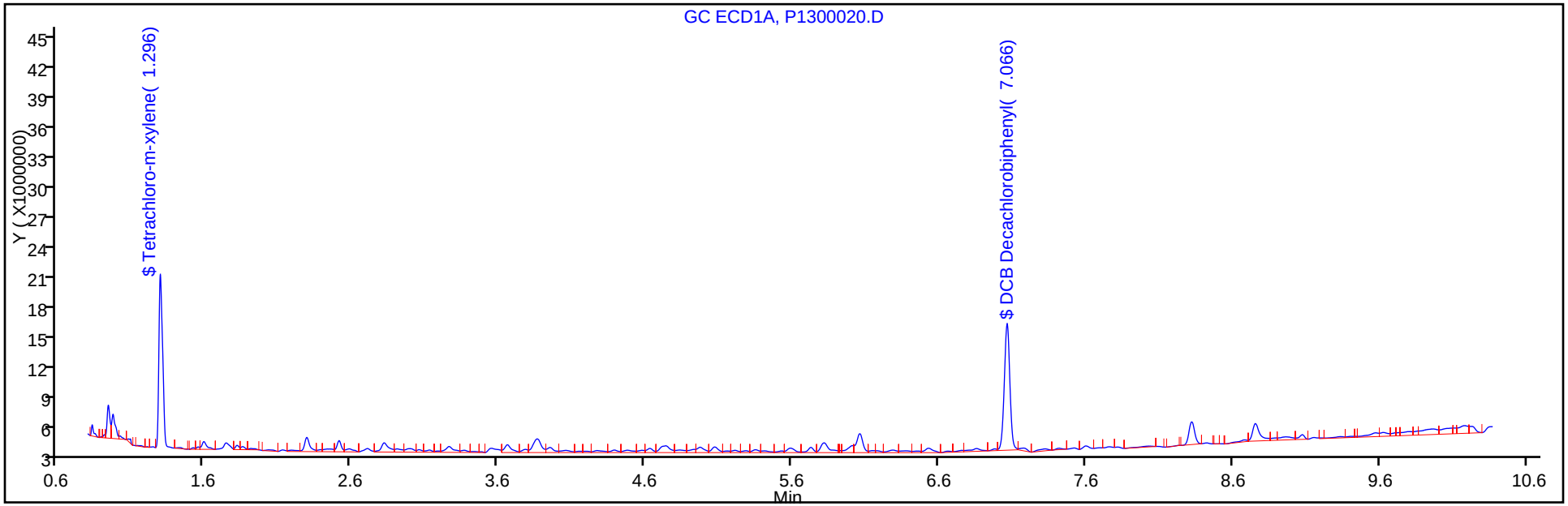
Report Date: 27-Nov-2012 09:54:29 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

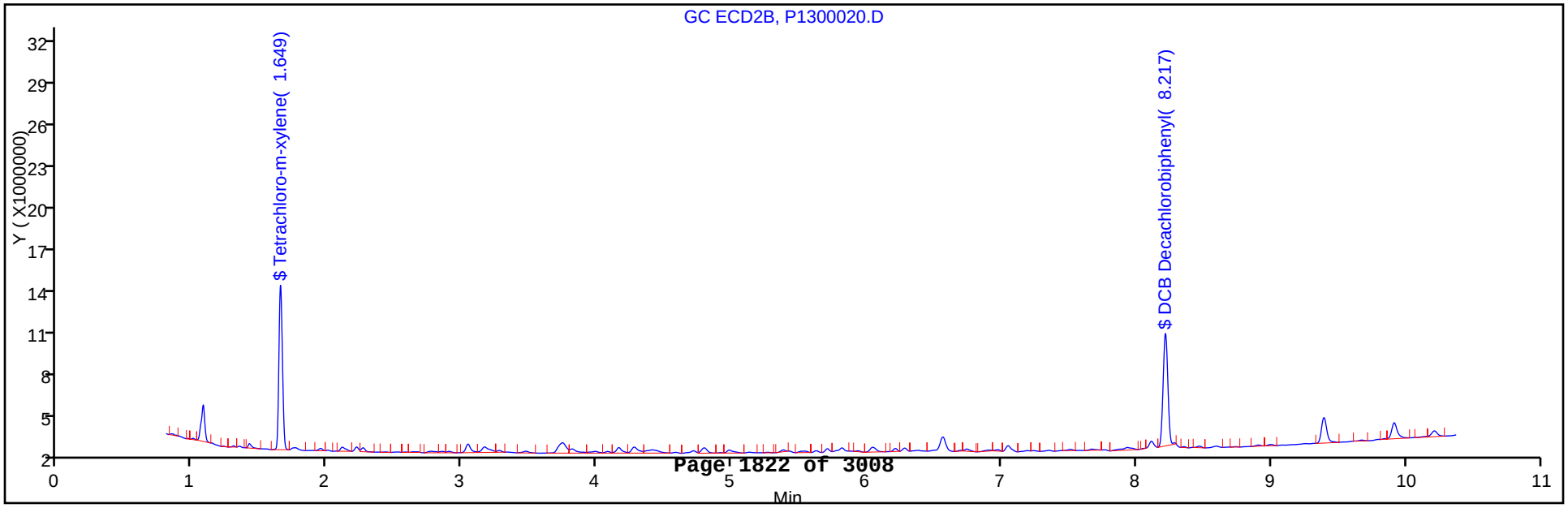
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300020.D

Injection Date:	27-Nov-2012 06:20:48	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO Lab Sample ID: 240-17477-7

Matrix: Solid Lab File ID: P1300020.D

Analysis Method: 8082/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 29.96(g) Date Analyzed: 11/27/2012 06:20

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		40-140
2051-24-3	DCB Decachlorobiphenyl	74		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300020.D
Lims ID: 240-17477-A-7-E
Client ID: 079SS-0005M-0001-SO
Inject. Date: 27-Nov-2012 06:20:48
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015278-020
Misc. Info.:
Operator:
Instrument ID: A2HP13
Injection Vol: 1.0 1/cm
ALS Bottle#: 20
Lims Batch ID: 66323
Lims Sample ID: 20
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 09:54:27
Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl
Date: 27-Nov-2012 09:43:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.296	1.293	0.003	31257330	0.0137			
2	2	1.649	1.648	0.001	21818132	0.0152			
						RPD = 10.32			
3 PCB-1221									1
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									
1	100		1.593						
1	2		1.902						
1	3		2.329						
1	4		2.460						
1	5		2.873						
2	6		2.144						
2	7		2.567						
2	8		3.049						
2	9		3.198						
2	10		3.849						
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		4.168						
1	2		4.478						
1	3		4.777						
1	4		5.528						
1	5		5.830						
2	6		5.135						
2	7		5.383						
2	8		5.771						
2	9		6.503						
2	10		6.905						
$ 12 DCB Decachlorobiphenyl									
1	100	7.066	7.065	0.001	33783238	0.0145			
2	2	8.217	8.218	-0.001	20027799	0.0149			
						RPD = 2.72			

QC Flag Legend

Processing Flags
1 - Missing Peaks

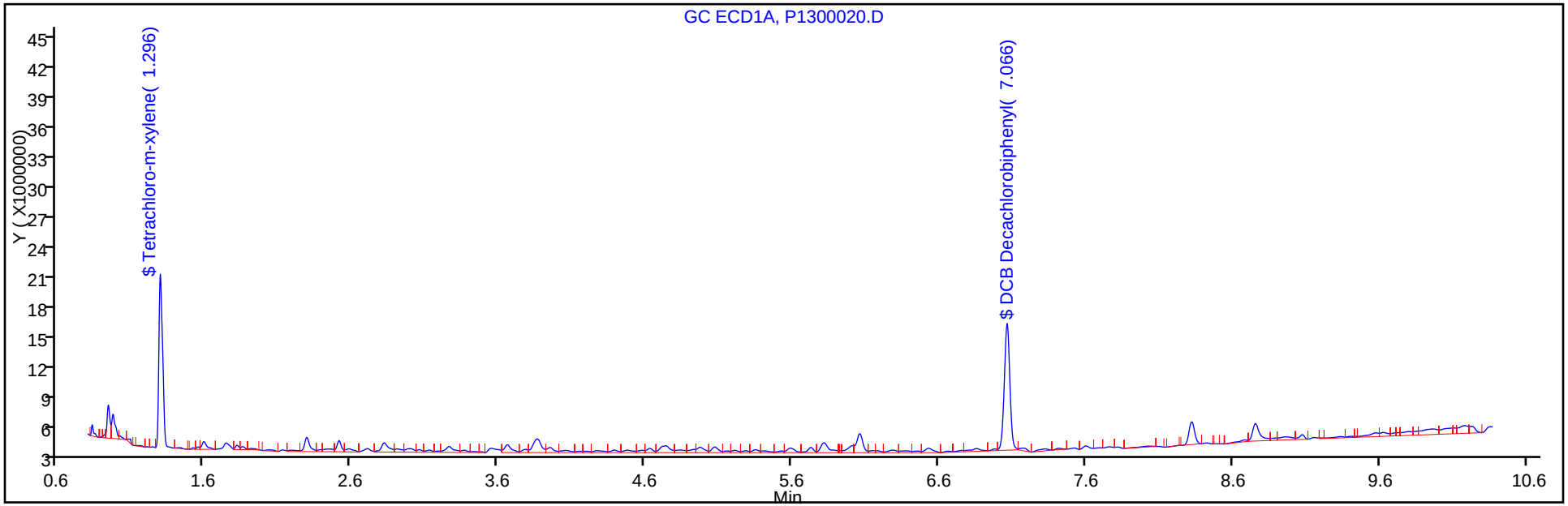
Report Date: 27-Nov-2012 09:54:29 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

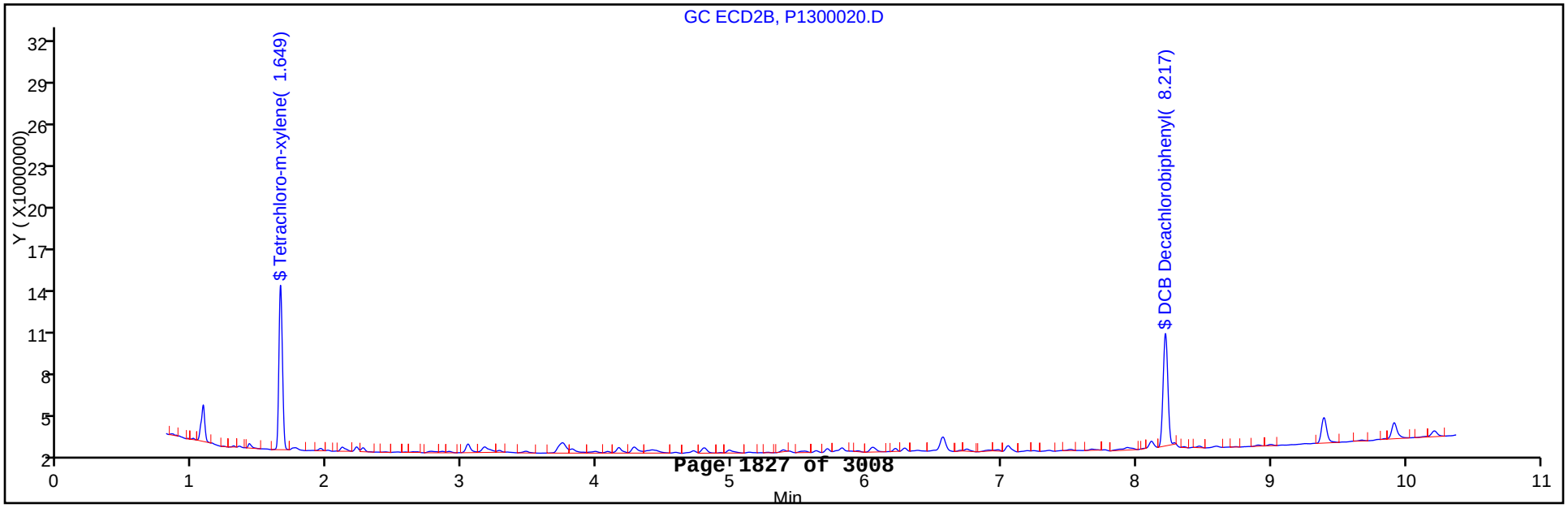
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300020.D

Injection Date:	27-Nov-2012 06:20:48	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12012

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	1.588	1.587	1.586	1.586	1.586	1.587					1.538 - 1.638	1.587
PCB-1232 Peak 2	1.898	1.897	1.896	1.895	1.895	1.897					1.848 - 1.948	1.896
PCB-1232 Peak 3	2.323	2.322	2.321	2.323	2.322	2.323					2.273 - 2.373	2.322
PCB-1232 Peak 4	2.455	2.455	2.454	2.453	2.453	2.454					2.405 - 2.505	2.454
PCB-1232 Peak 5	2.867	2.868	2.866	2.867	2.866	2.868					2.817 - 2.917	2.867

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12012

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1232 Peak 1	51764660 37237214	49090910 34310972	44176480	41705868	Ave		43047684.0				16.0		20.0			
PCB-1232 Peak 2	42646440 31853144	39987320 28817742	36283850	34142130	Ave		35621770.9				14.0		20.0			
PCB-1232 Peak 3	75350060 64967291	81371340 62934758	74442310	68841284	Ave		71317840.4				9.8		20.0			
PCB-1232 Peak 4	27198420 26893700	27312400 25313552	28750230	28214782	Ave		27280514.0				4.4		20.0			
PCB-1232 Peak 5	34283460 26108691	32547380 24806478	29294490	28289906	Ave		29221734.2				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12012

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Ave	2588233 68621944	4909091	8835296	20852934	37237214	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	Ave	2132322 57635483	3998732	7256770	17071065	31853144	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	Ave	3767503 125869515	8137134	14888462	34420642	64967291	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	Ave	1359921 50627104	2731240	5750046	14107391	26893700	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	Ave	1714173 49612956	3254738	5858898	14144953	26108691	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300003.D
Lims ID: STD005 1232 Client ID:
Inject. Date: 21-Oct-2012 16:53:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-003
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 62068 Lims Sample ID: 3
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:48 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.588	1.588	0.000	2588233	0.0601		100.0	M
1	2	1.898	1.898	0.000	2132322	0.0599	57.1- 107.1	82.4	
1	3	2.323	2.323	0.000	3767503	0.0528	143.5- 193.5	145.6	
1	4	2.455	2.455	0.000	1359921	0.0498	40.1- 90.1	52.5	
1	5	2.867	2.867	0.000	1714173	0.0587	41.3- 91.3	66.2	
			Average of Peak Amounts =			0.0563			
2	6	2.148	2.148	0.000	1473528	0.0606		100.0	
2	7	2.573	2.573	0.000	1392845	0.0594	67.8- 127.8	94.5	
2	8	3.054	3.054	0.000	2424624	0.0598	132.2- 192.2	164.5	
2	9	3.201	3.201	0.000	1070427	0.0611	40.5- 100.5	72.6	
2	10	3.854	3.854	0.000	896641	0.0604	30.2- 90.2	60.8	
			Average of Peak Amounts =			0.0603			
						RPD = 6.86			

QC Flag Legend

Review Flags
M - Manually Integrated

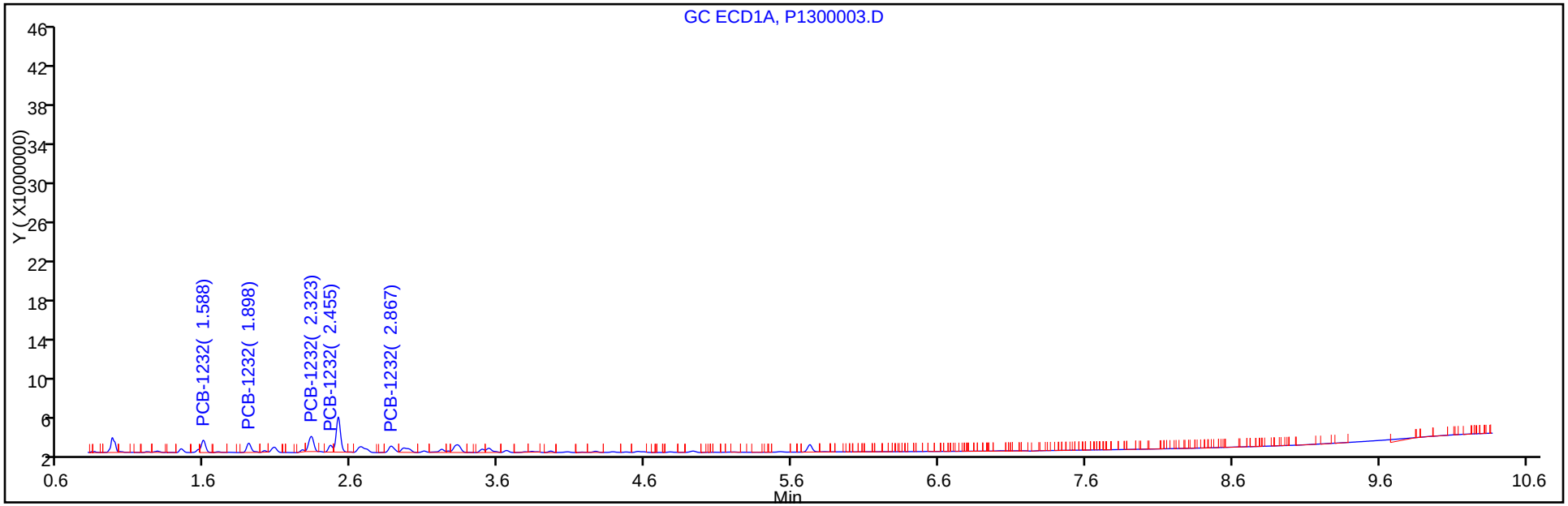
Report Date: 22-Oct-2012 09:18:48 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

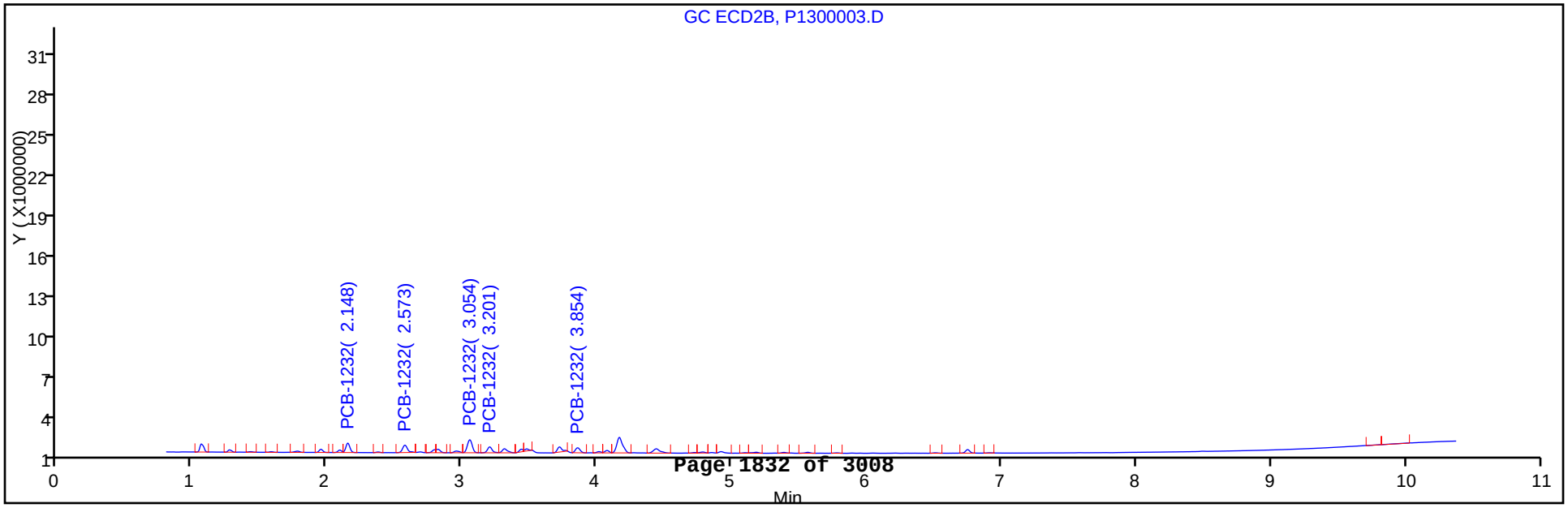
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300003.D

Injection Date:	21-Oct-2012 16:53:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



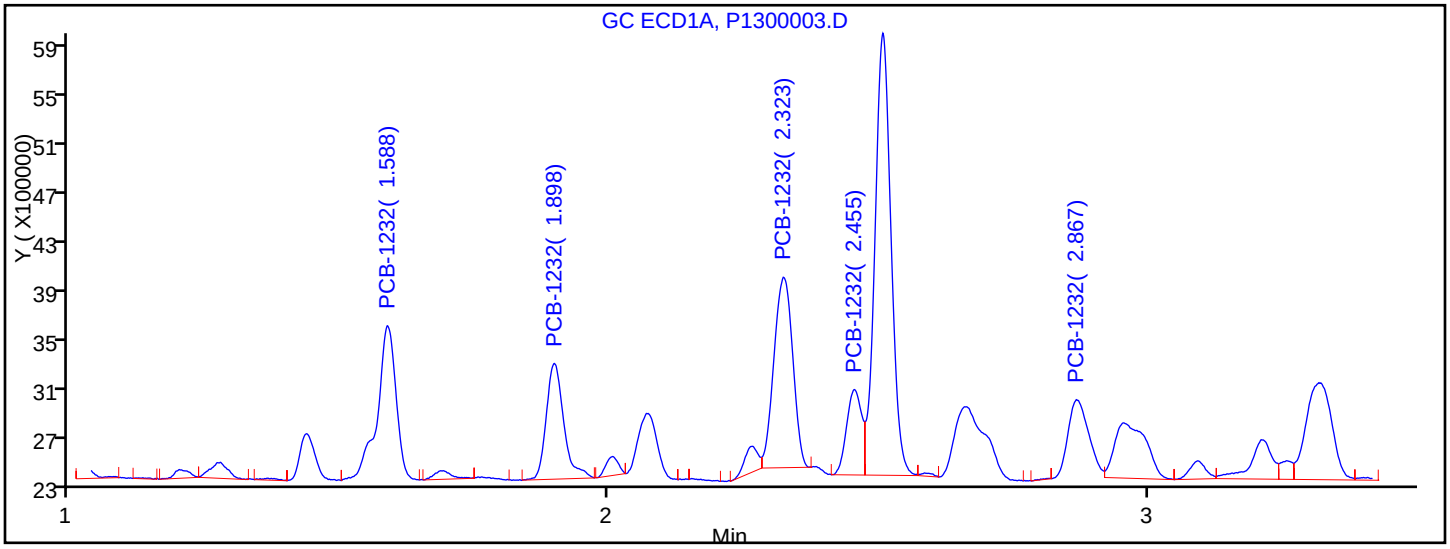
Report Date: 22-Oct-2012 09:18:48 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300003.D

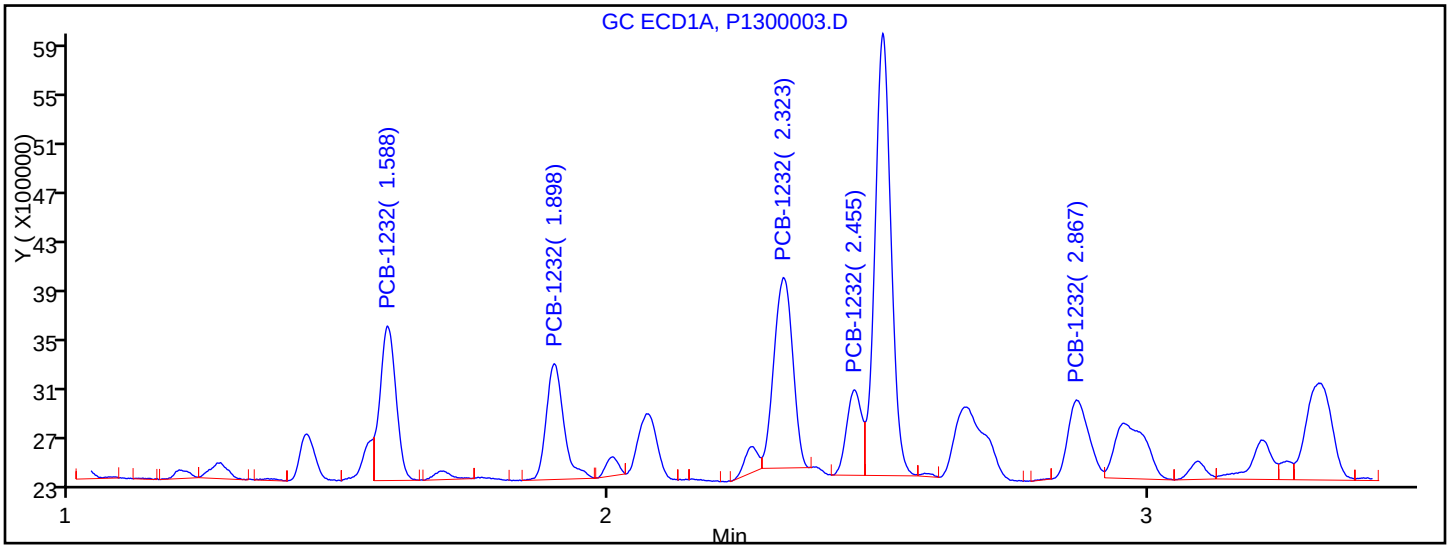
Injection Date:	21-Oct-2012 16:53:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.588	Response = 3066179	M
RT = 1.898	Response = 2132322	
RT = 2.323	Response = 3767503	
RT = 2.455	Response = 1359921	
RT = 2.867	Response = 1714173	



Manual Integration Results

RT = 1.588	Response = 2588233	M
RT = 1.898	Response = 2132322	
RT = 2.323	Response = 3767503	
RT = 2.455	Response = 1359921	
RT = 2.867	Response = 1714173	

Reviewer: hassl, 22-Oct-2012 09:01:42

Audit Action: Split an Integrated Peak

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300004.D
Lims ID: STD01 1232 Client ID:
Inject. Date: 21-Oct-2012 17:08:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-004
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 62068 Lims Sample ID: 4
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:46 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.587	1.588	-0.001	4909091	0.1140		100.0	M
1	2	1.897	1.898	-0.001	3998732	0.1123	57.1- 107.1	81.5	
1	3	2.322	2.323	-0.001	8137134	0.1141	143.5- 193.5	165.8	
1	4	2.455	2.455	0.000	2731240	0.1001	40.1- 90.1	55.6	
1	5	2.868	2.867	0.001	3254738	0.1114	41.3- 91.3	66.3	
			Average of Peak Amounts =			0.1104			
2	6	2.148	2.148	0.000	2635543	0.1085		100.0	
2	7	2.572	2.573	-0.001	2464456	0.1050	67.8- 127.8	93.5	
2	8	3.053	3.054	-0.001	4271561	0.1054	132.2- 192.2	162.1	
2	9	3.202	3.201	0.001	1926793	0.1100	40.5- 100.5	73.1	
2	10	3.855	3.854	0.001	1530329	0.1030	30.2- 90.2	58.1	
			Average of Peak Amounts =			0.1064			
						RPD = 3.68			

QC Flag Legend

Review Flags
M - Manually Integrated

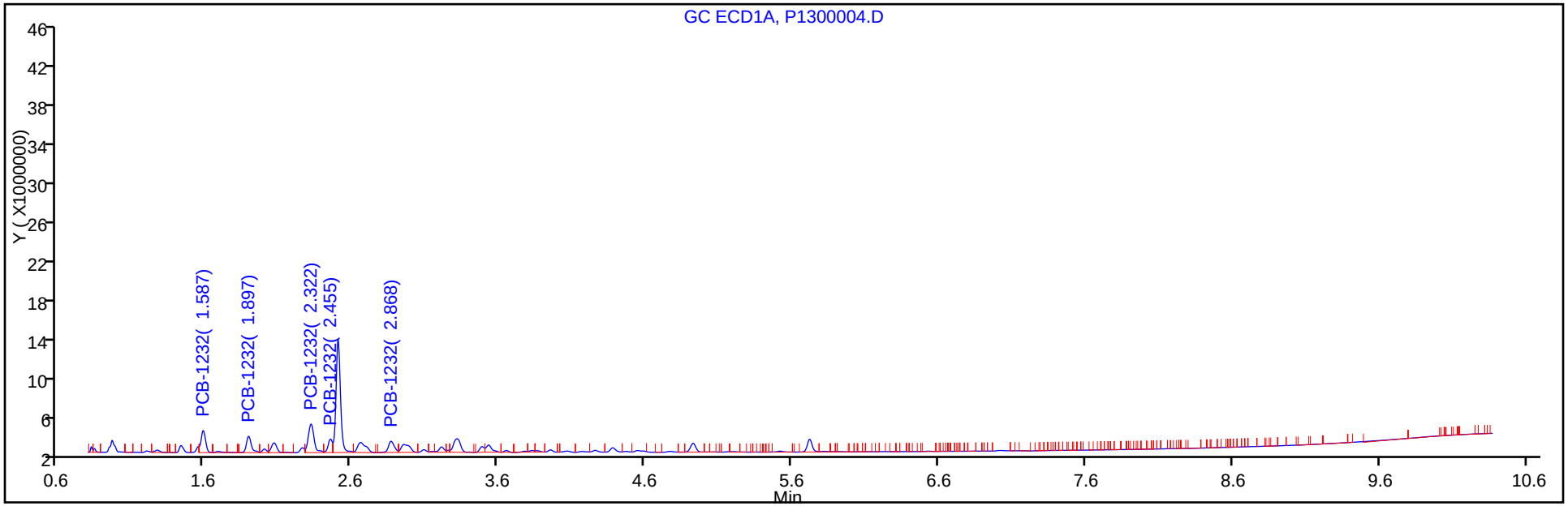
Report Date: 22-Oct-2012 09:18:47 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

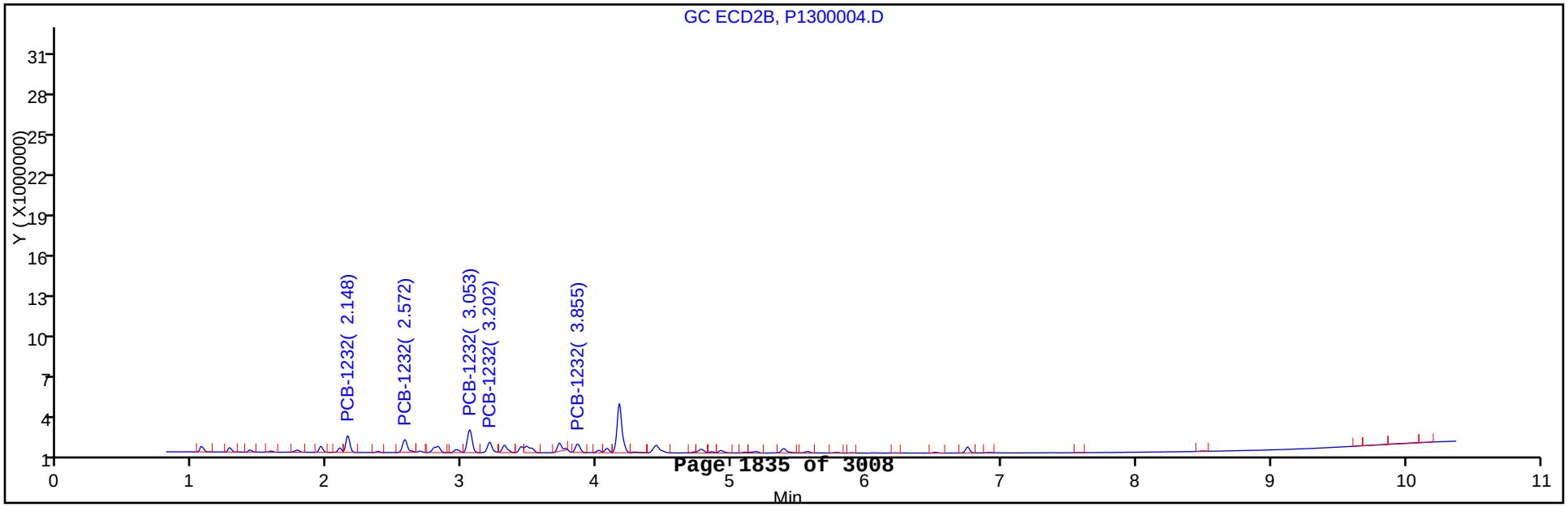
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300004.D

Injection Date:	21-Oct-2012 17:08:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



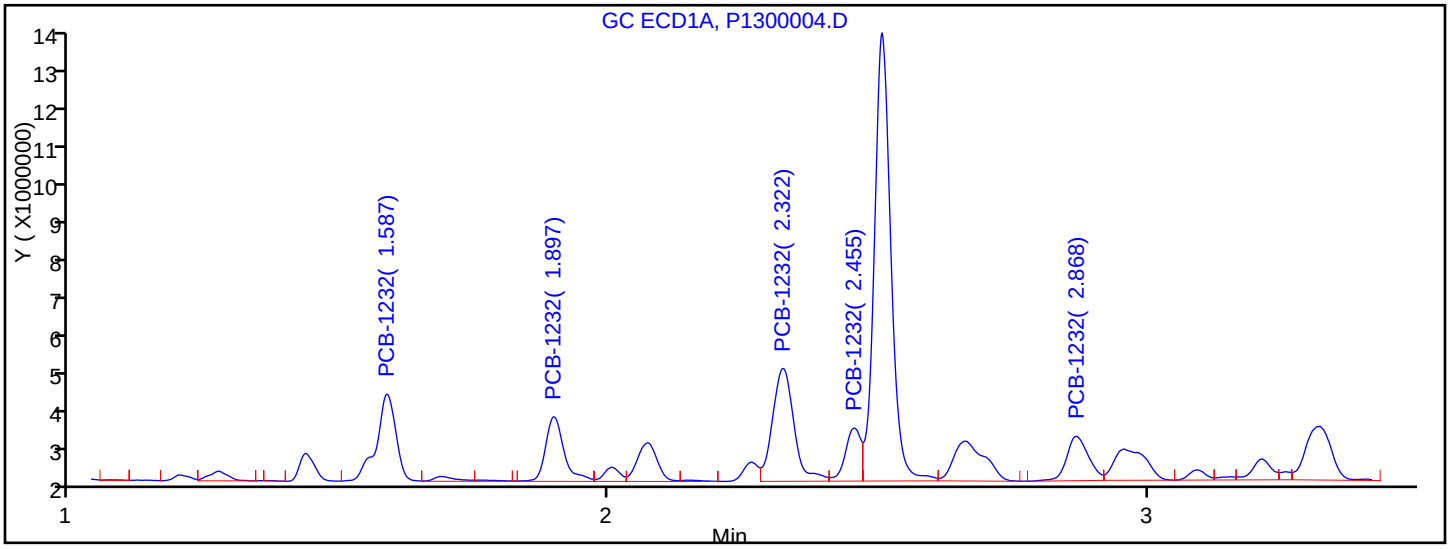
Report Date: 22-Oct-2012 09:18:47 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300004.D

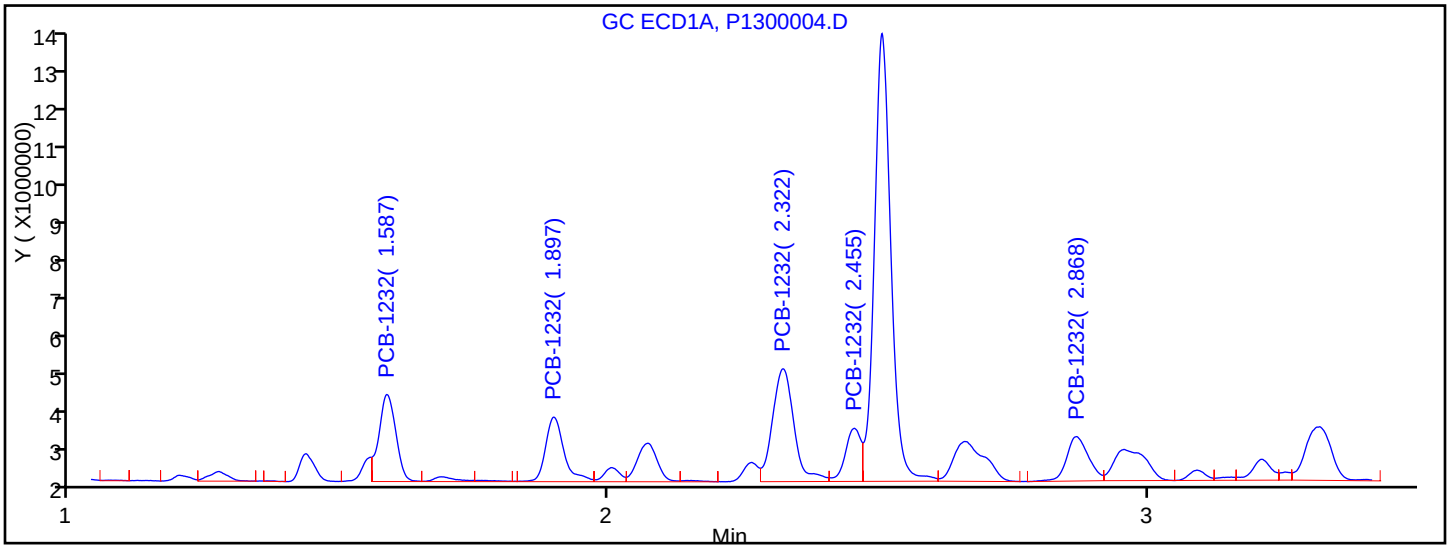
Injection Date:	21-Oct-2012 17:08:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 5672452	M
RT = 1.897	Response = 3998732	
RT = 2.322	Response = 8137134	
RT = 2.455	Response = 2731240	
RT = 2.868	Response = 3254738	



Manual Integration Results

RT = 1.587	Response = 4909091	M
RT = 1.897	Response = 3998732	
RT = 2.322	Response = 8137134	
RT = 2.455	Response = 2731240	
RT = 2.868	Response = 3254738	

Reviewer: hassl, 22-Oct-2012 09:01:32

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300005.D
Lims ID: STD02 1232 Client ID:
Inject. Date: 21-Oct-2012 17:23:11 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-005
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 62068 Lims Sample ID: 5
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:44 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	8835296	0.2052		100.0	M
1	2	1.896	1.898	-0.002	7256770	0.2037	57.1- 107.1	82.1	
1	3	2.321	2.323	-0.002	14888462	0.2088	143.5- 193.5	168.5	
1	4	2.454	2.455	-0.001	5750046	0.2108	40.1- 90.1	65.1	
1	5	2.866	2.867	-0.001	5858898	0.2005	41.3- 91.3	66.3	
			Average of Peak Amounts =			0.2058			
2	6	2.147	2.148	-0.001	4864632	0.2002		100.0	
2	7	2.571	2.573	-0.002	4757412	0.2027	67.8- 127.8	97.8	
2	8	3.054	3.054	0.000	7889088	0.1947	132.2- 192.2	162.2	
2	9	3.201	3.201	0.000	3428216	0.1958	40.5- 100.5	70.5	
2	10	3.853	3.854	-0.001	2927551	0.1971	30.2- 90.2	60.2	
			Average of Peak Amounts =			0.1981			
						RPD = 3.82			

QC Flag Legend

Review Flags
M - Manually Integrated

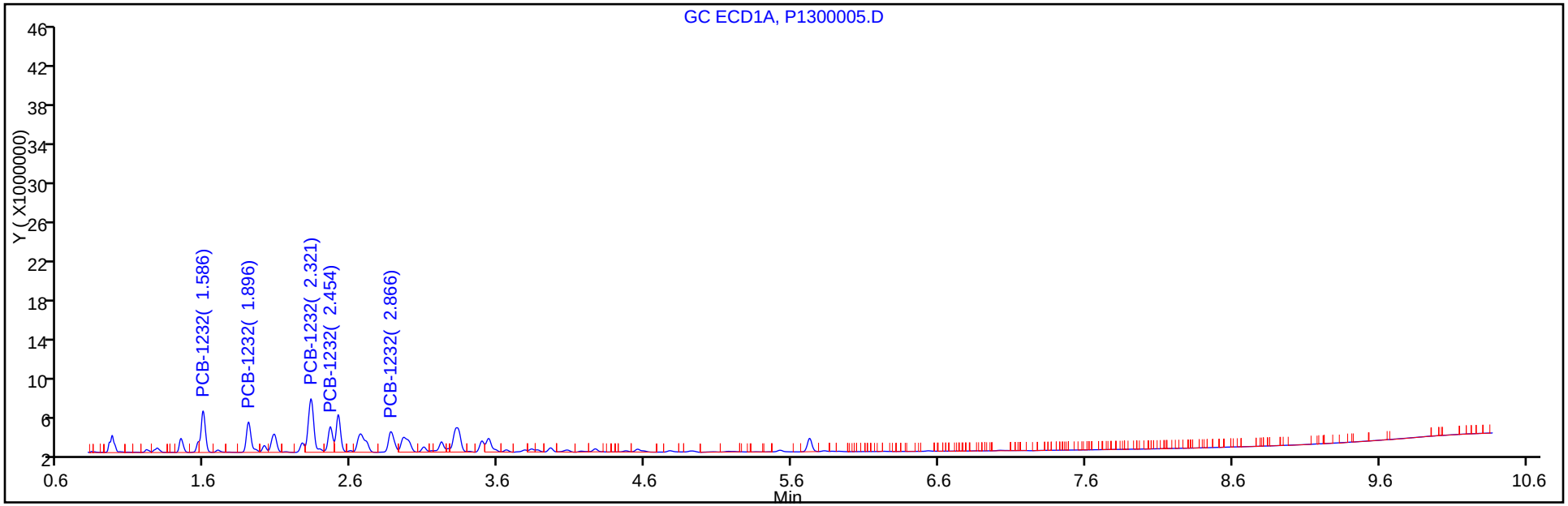
Report Date: 22-Oct-2012 09:18:45 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

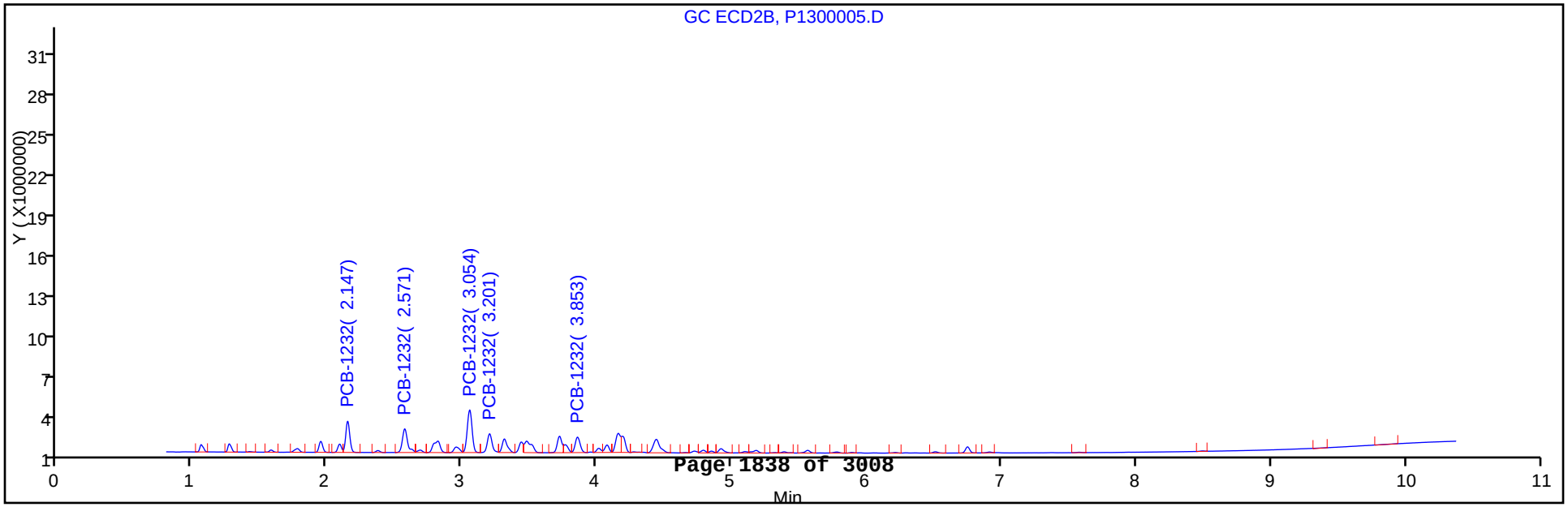
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300005.D

Injection Date:	21-Oct-2012 17:23:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



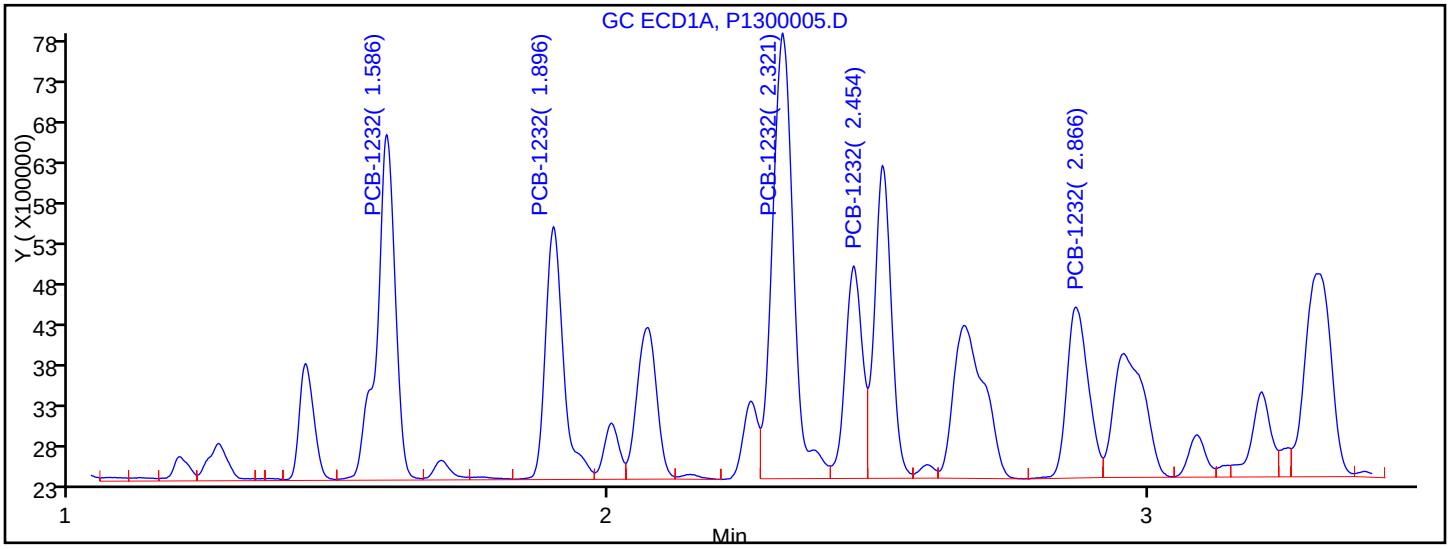
Report Date: 22-Oct-2012 09:18:45 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300005.D

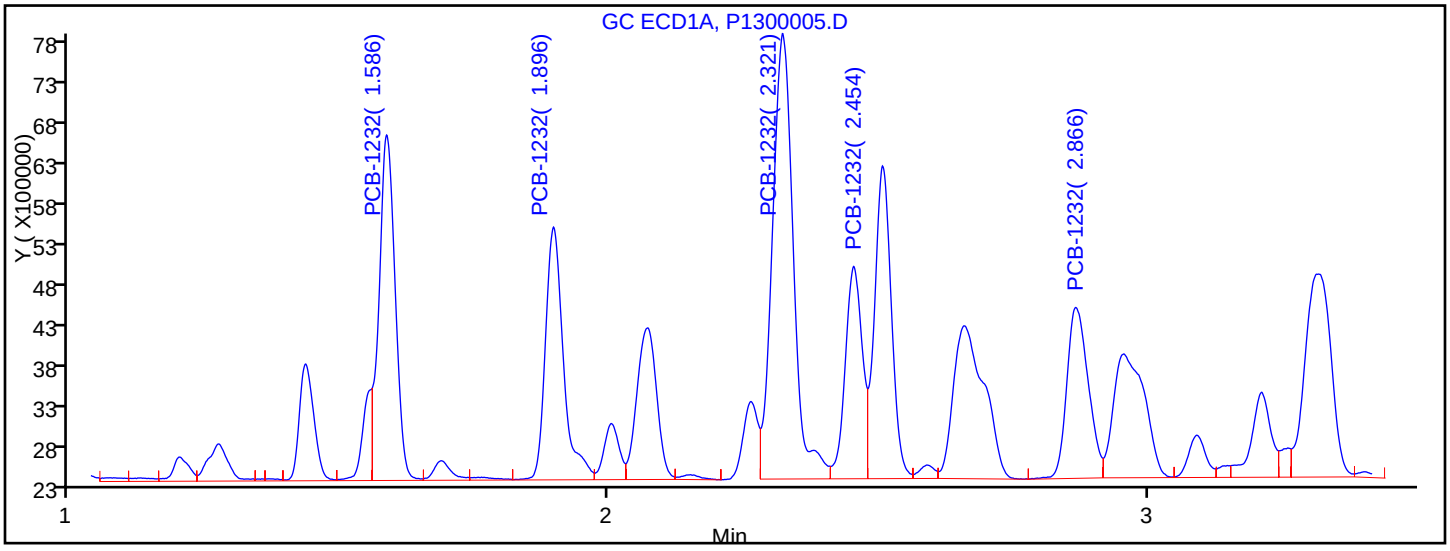
Injection Date:	21-Oct-2012 17:23:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 10194719	M
RT = 1.896	Response = 7256770	
RT = 2.321	Response = 14888462	
RT = 2.454	Response = 5750046	
RT = 2.866	Response = 5858898	



Manual Integration Results

RT = 1.586	Response = 8835296	M
RT = 1.896	Response = 7256770	
RT = 2.321	Response = 14888462	
RT = 2.454	Response = 5750046	
RT = 2.866	Response = 5858898	

Reviewer: hassl, 22-Oct-2012 09:01:18

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300006.D
Lims ID: STD05 1232 Client ID:
Inject. Date: 21-Oct-2012 17:38:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-006
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 62068 Lims Sample ID: 6
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:43 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	20852934	0.4844		100.0	M
1	2	1.895	1.898	-0.003	17071065	0.4792	57.1- 107.1	81.9	
1	3	2.323	2.323	0.000	34420642	0.4826	143.5- 193.5	165.1	
1	4	2.453	2.455	-0.002	14107391	0.5171	40.1- 90.1	67.7	
1	5	2.867	2.867	0.000	14144953	0.4841	41.3- 91.3	67.8	
			Average of Peak Amounts =			0.4895			
2	6	2.147	2.148	-0.001	11595577	0.4772		100.0	
2	7	2.571	2.573	-0.002	11450223	0.4879	67.8- 127.8	98.7	
2	8	3.053	3.054	-0.001	19421914	0.4792	132.2- 192.2	167.5	
2	9	3.200	3.201	-0.001	8257184	0.4715	40.5- 100.5	71.2	
2	10	3.853	3.854	-0.001	7156405	0.4818	30.2- 90.2	61.7	
			Average of Peak Amounts =			0.4795			
						RPD = 2.06			

QC Flag Legend

Review Flags
M - Manually Integrated

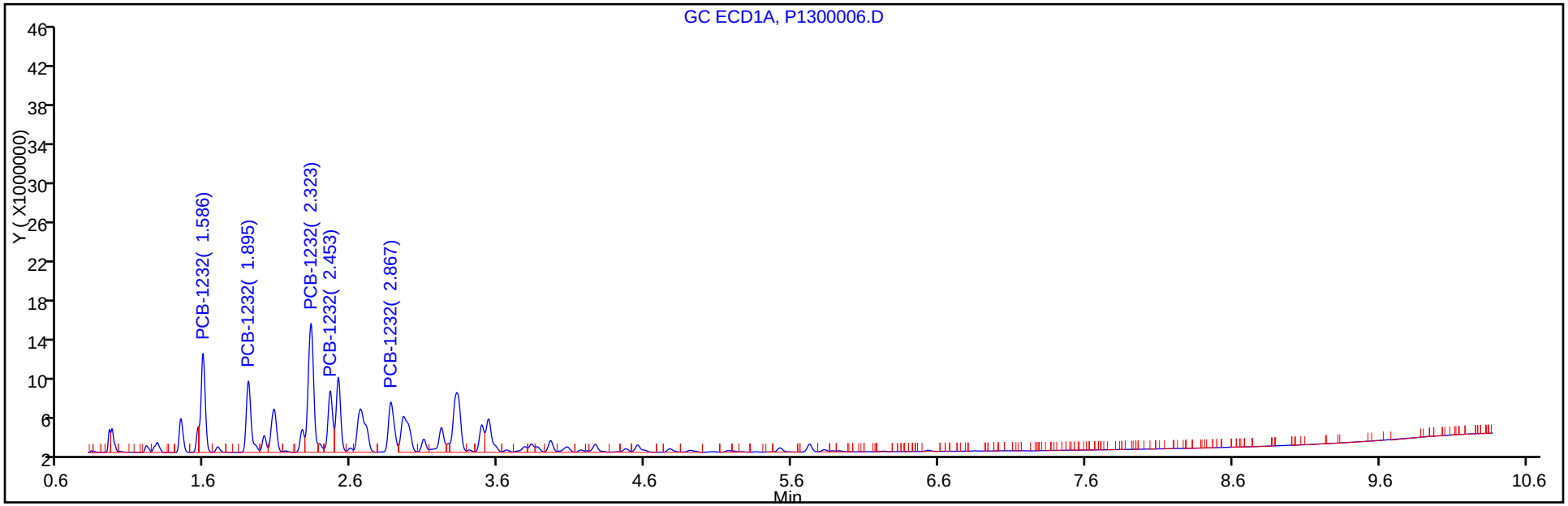
Report Date: 22-Oct-2012 09:18:43 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

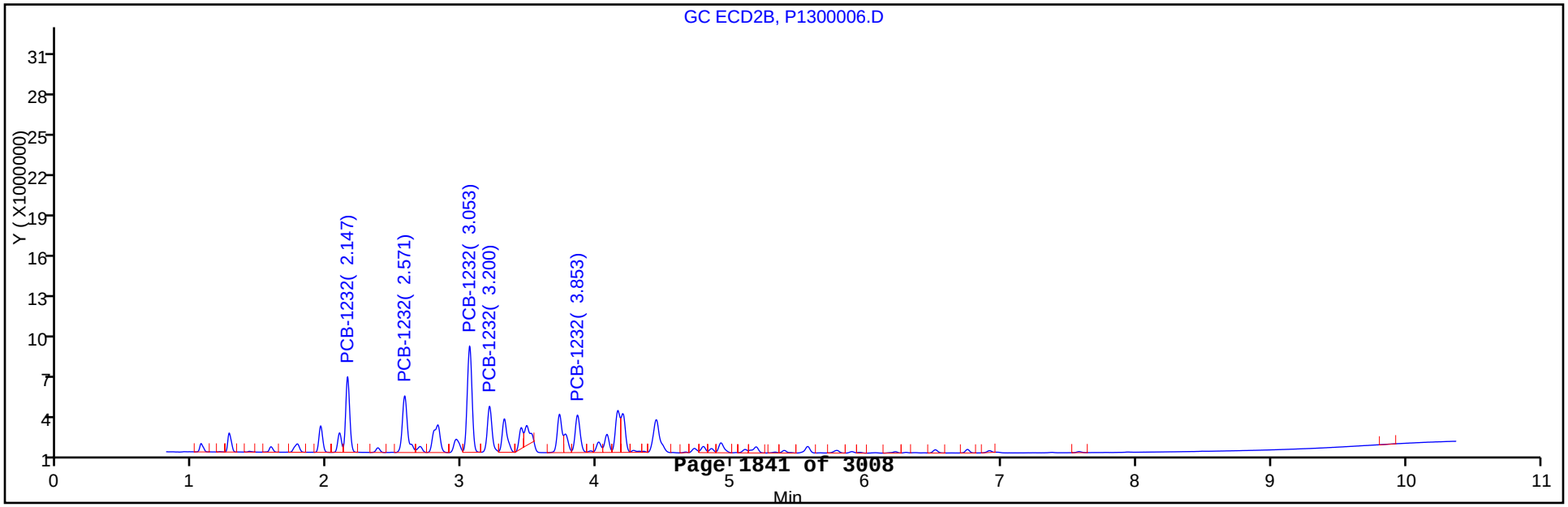
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300006.D

Injection Date:	21-Oct-2012 17:38:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



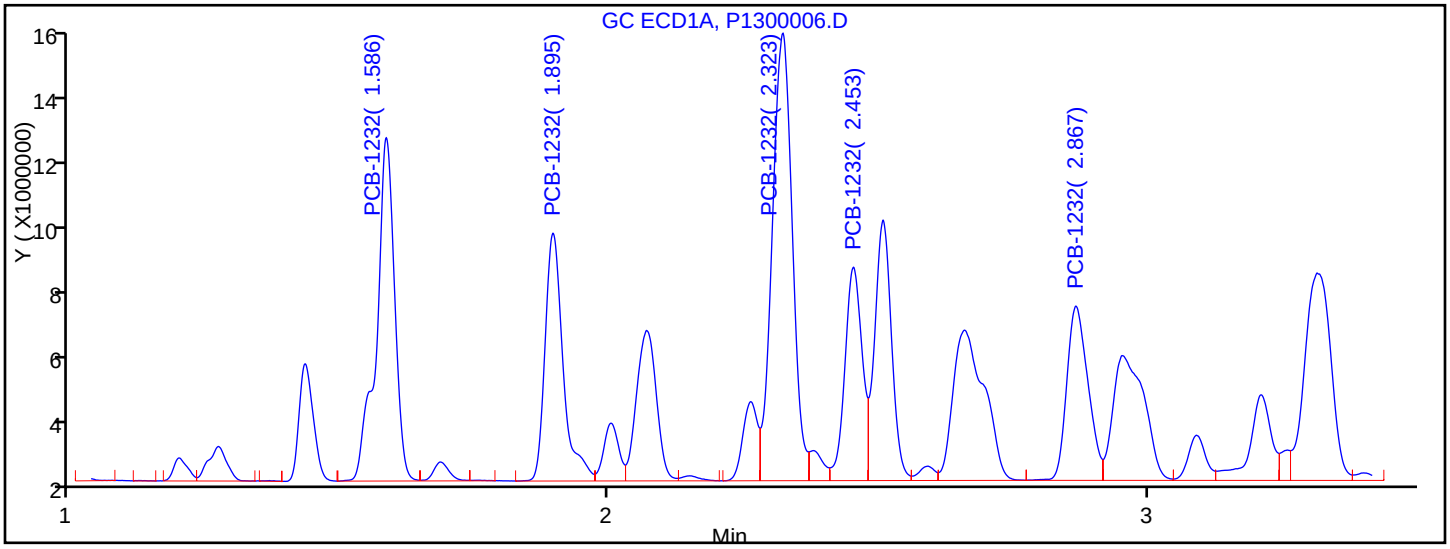
Report Date: 22-Oct-2012 09:18:44 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300006.D

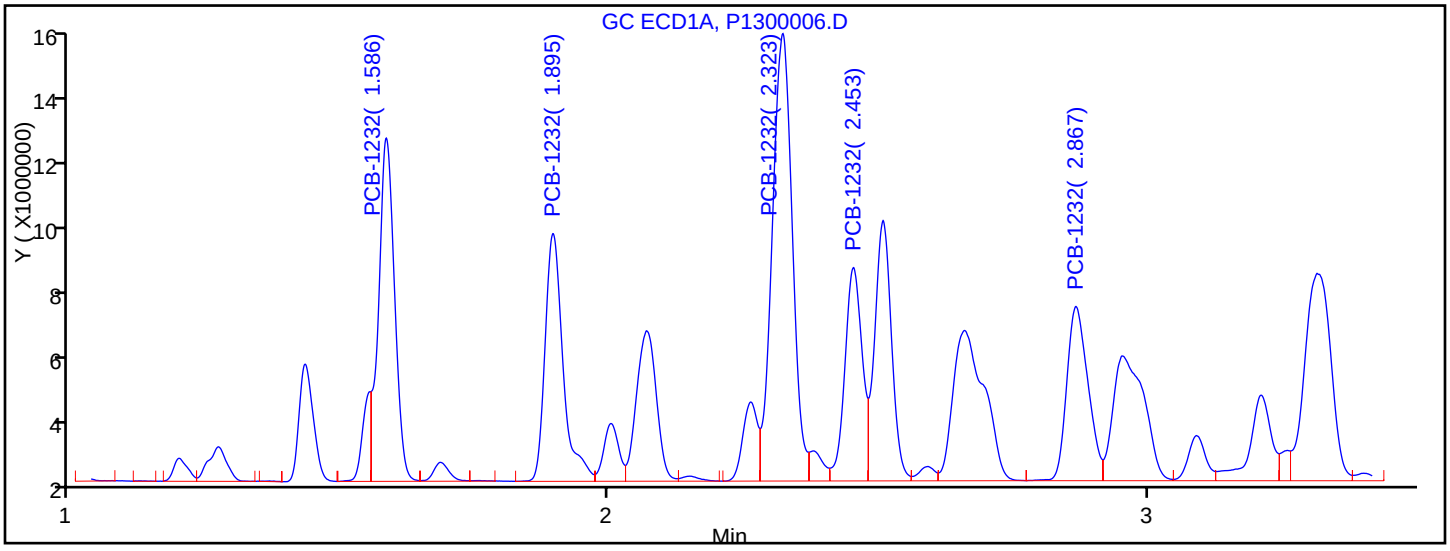
Injection Date:	21-Oct-2012 17:38:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 23679458	M
RT = 1.895	Response = 17071065	
RT = 2.323	Response = 34420642	
RT = 2.453	Response = 14107391	
RT = 2.867	Response = 14144953	



Manual Integration Results

RT = 1.586	Response = 20852934	M
RT = 1.895	Response = 17071065	
RT = 2.323	Response = 34420642	
RT = 2.453	Response = 14107391	
RT = 2.867	Response = 14144953	

Reviewer: hassl, 22-Oct-2012 09:01:07

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300007.D
Lims ID: STD1 1232 Client ID:
Inject. Date: 21-Oct-2012 17:53:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-007
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 62068 Lims Sample ID: 7
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:41 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.586	1.588	-0.002	37237214	0.8650		100.0	
1	2	1.895	1.898	-0.003	31853144	0.8942	57.1- 107.1	85.5	
1	3	2.322	2.323	-0.001	64967291	0.9110	143.5- 193.5	174.5	
1	4	2.453	2.455	-0.002	26893700	0.9858	40.1- 90.1	72.2	
1	5	2.866	2.867	-0.001	26108691	0.8935	41.3- 91.3	70.1	
			Average of Peak Amounts =			0.9099			
2	6	2.147	2.148	-0.001	22094487	0.9092		100.0	
2	7	2.571	2.573	-0.002	21640533	0.9222	67.8- 127.8	97.9	
2	8	3.052	3.054	-0.002	37930476	0.9359	132.2- 192.2	171.7	
2	9	3.201	3.201	0.000	15896826	0.9077	40.5- 100.5	71.9	
2	10	3.853	3.854	-0.001	13872941	0.9340	30.2- 90.2	62.8	
			Average of Peak Amounts =			0.9218			
						RPD = 1.30			

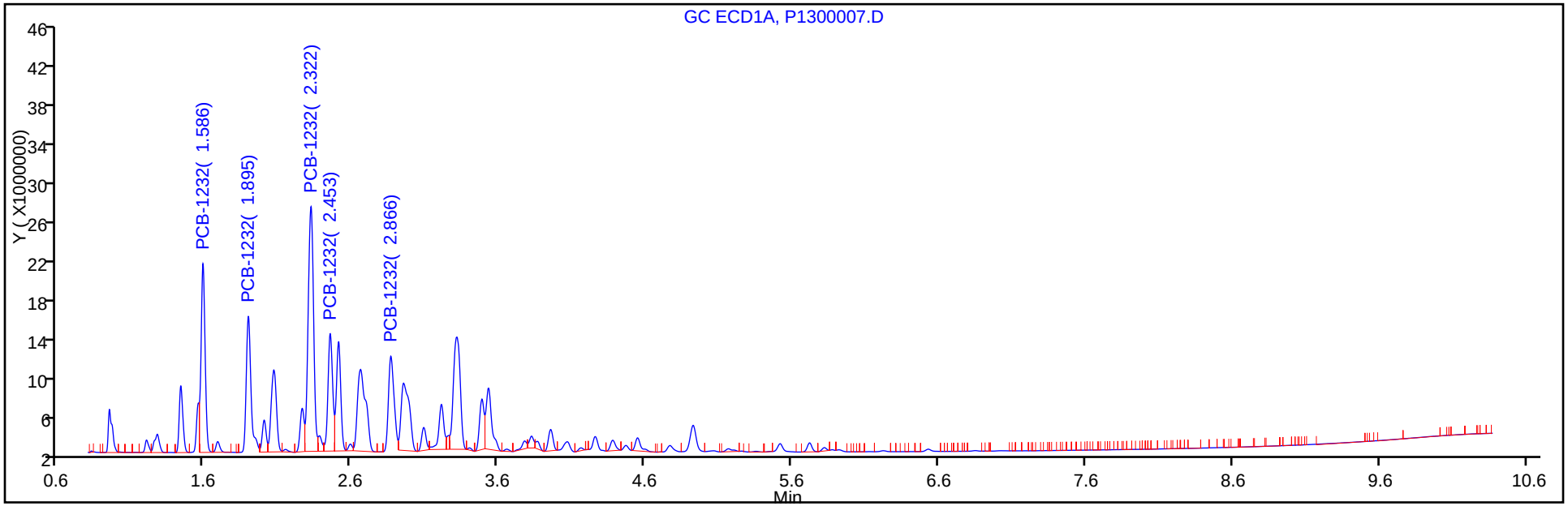
Report Date: 22-Oct-2012 09:18:42 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

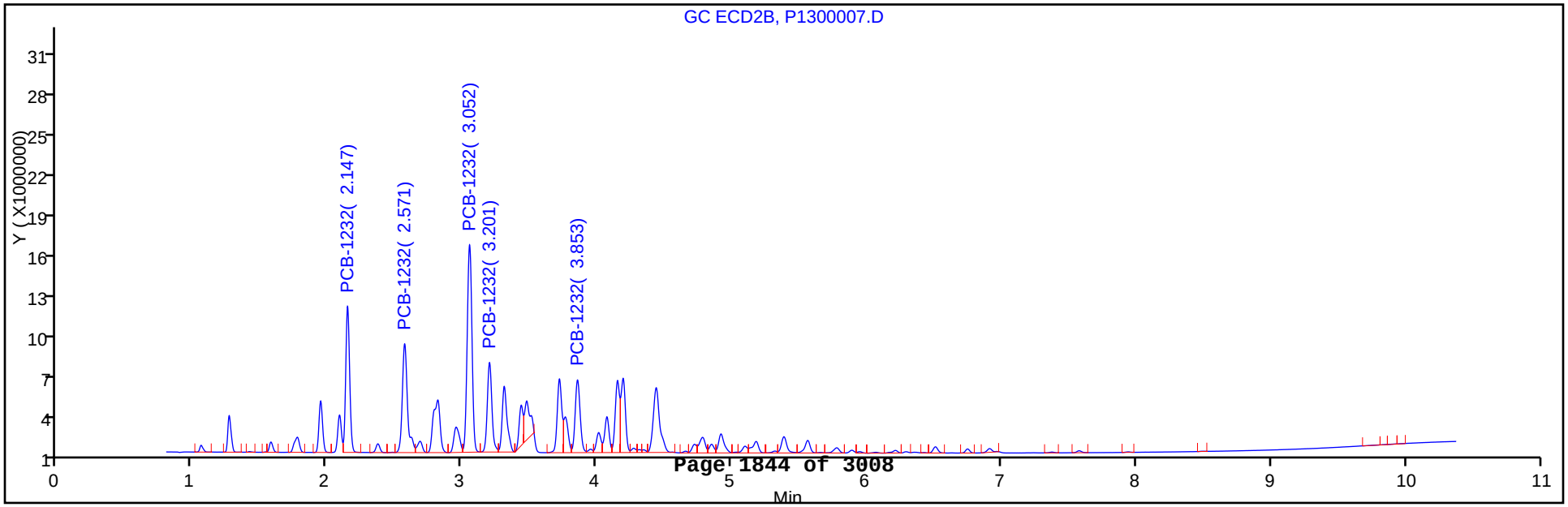
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300007.D

Injection Date:	21-Oct-2012 17:53:00	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300008.D		
Lims ID:	STD2 1232	Client ID:	
Inject. Date:	21-Oct-2012 18:07:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014228-008		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	62068	Lims Sample ID:	8
Sublist:	chrom-PCB13*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:40	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.587	1.588	-0.001	68621944	1.59		100.0	M
1	2	1.897	1.898	-0.001	57635483	1.62	57.1- 107.1	84.0	
1	3	2.323	2.323	0.000	125869515	1.76	143.5- 193.5	183.4	
1	4	2.454	2.455	-0.001	50627104	1.86	40.1- 90.1	73.8	
1	5	2.868	2.867	0.001	49612956	1.70	41.3- 91.3	72.3	
			Average of Peak Amounts =			1.71			
2	6	2.148	2.148	0.000	40740192	1.68		100.0	
2	7	2.572	2.573	-0.001	39943050	1.70	67.8- 127.8	98.0	
2	8	3.053	3.054	-0.001	71461098	1.76	132.2- 192.2	175.4	
2	9	3.201	3.201	0.000	29690880	1.70	40.5- 100.5	72.9	
2	10	3.855	3.854	0.001	26115959	1.76	30.2- 90.2	64.1	
			Average of Peak Amounts =			1.72			
						RPD = 0.76			

QC Flag Legend

Review Flags
M - Manually Integrated

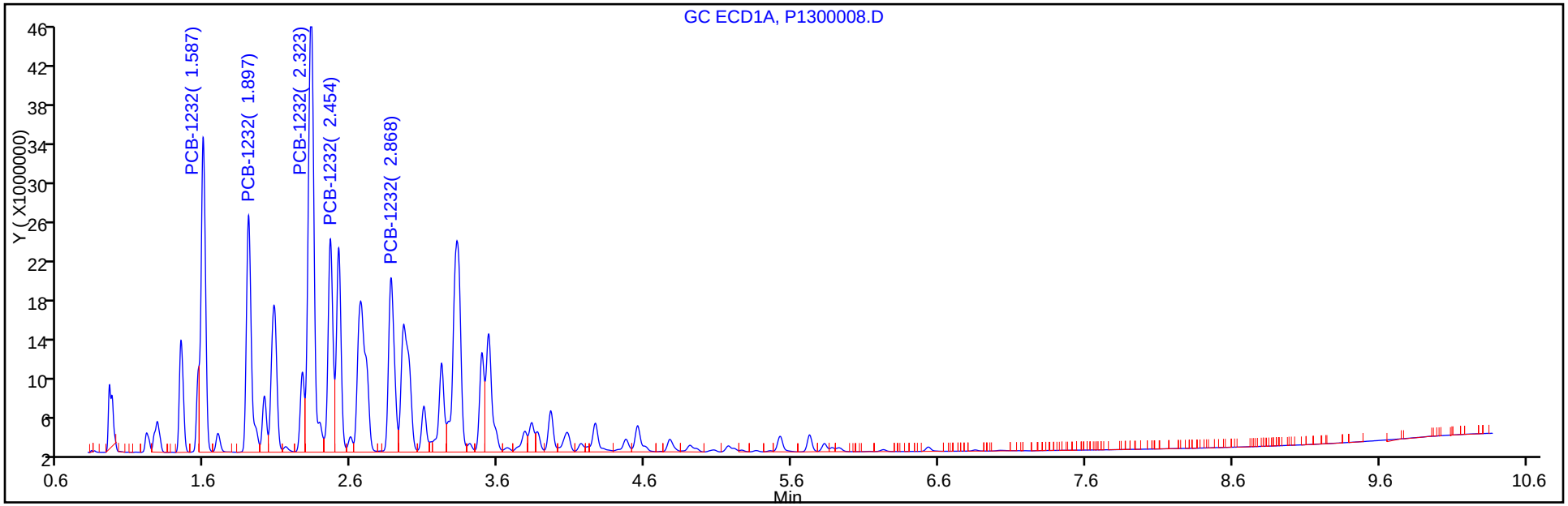
Report Date: 22-Oct-2012 09:18:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

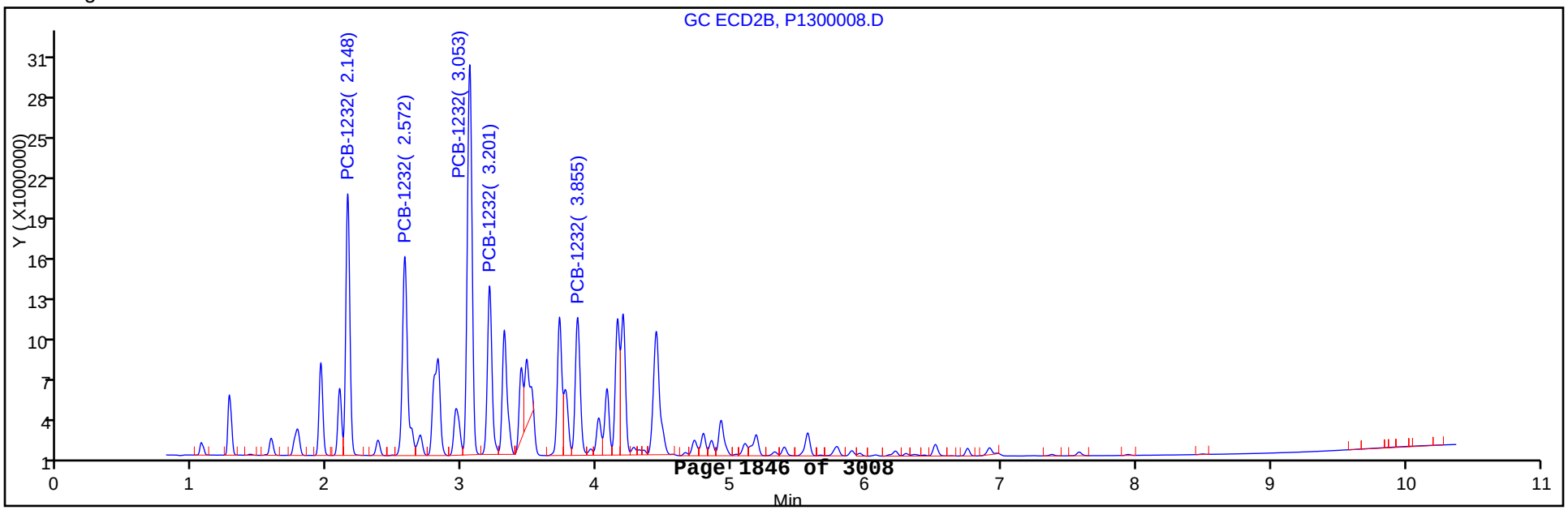
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300008.D

Injection Date:	21-Oct-2012 18:07:54	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



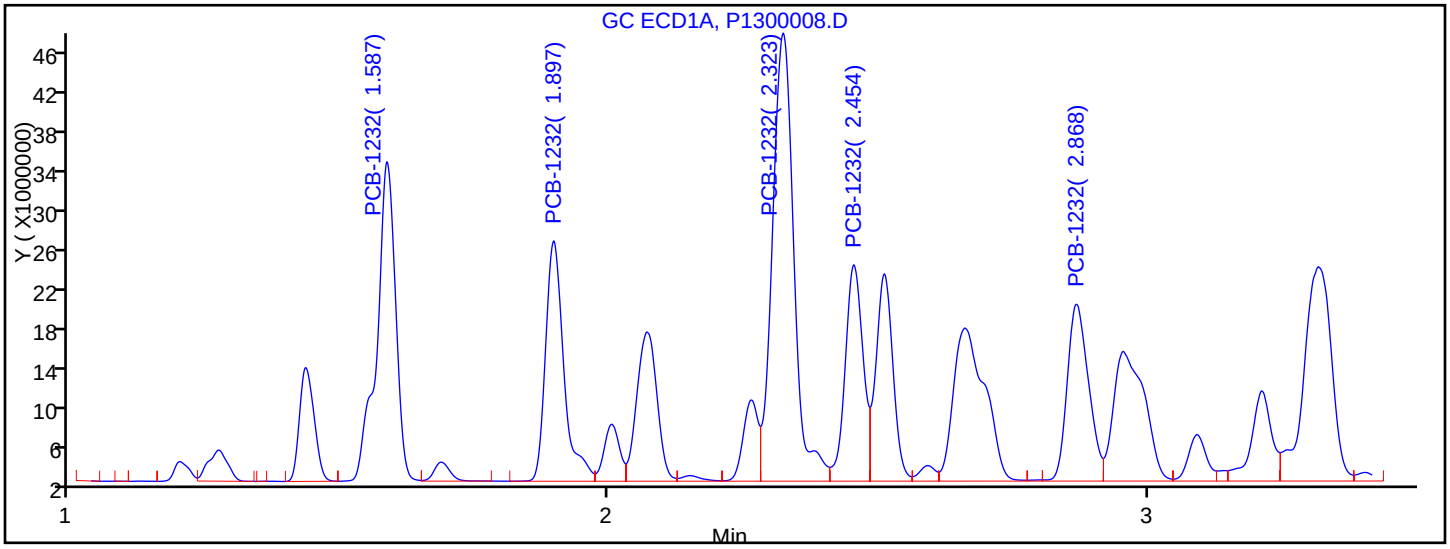
Report Date: 22-Oct-2012 09:18:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300008.D

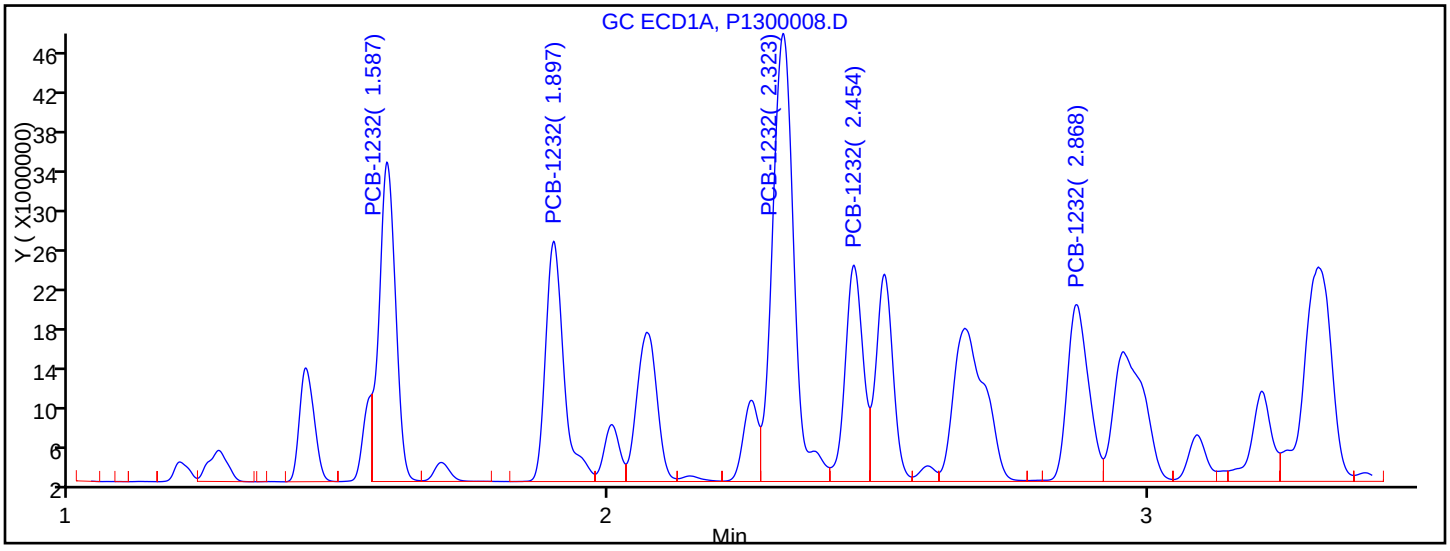
Injection Date:	21-Oct-2012 18:07:54	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 78277832	M
RT = 1.897	Response = 57635483	
RT = 2.323	Response = 125869515	
RT = 2.454	Response = 50627104	
RT = 2.868	Response = 49612956	



Manual Integration Results

RT = 1.587	Response = 68621944	M
RT = 1.897	Response = 57635483	
RT = 2.323	Response = 125869515	
RT = 2.454	Response = 50627104	
RT = 2.868	Response = 49612956	

Reviewer: hassl, 22-Oct-2012 09:02:08

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12013

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	2.148	2.148	2.147	2.147	2.147	2.148					2.098 - 2.198	2.148
PCB-1232 Peak 2	2.573	2.572	2.571	2.571	2.571	2.572					2.523 - 2.623	2.572
PCB-1232 Peak 3	3.054	3.053	3.054	3.053	3.052	3.053					3.004 - 3.104	3.053
PCB-1232 Peak 4	3.201	3.202	3.201	3.200	3.201	3.201					3.151 - 3.251	3.201
PCB-1232 Peak 5	3.854	3.855	3.853	3.853	3.853	3.855					3.804 - 3.904	3.854

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12013

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1232 Peak 1	29470560 22094487	26355430 20370096	24323160	23191154	Ave		24300814.5				13.0		20.0			
PCB-1232 Peak 2	27856900 21640533	24644560 19971525	23787060	22900446	Ave		23466837.3				12.0		20.0			
PCB-1232 Peak 3	48492480 37930476	42715610 35730549	39445440	38843828	Ave		40526397.2				11.0		20.0			
PCB-1232 Peak 4	21408540 15896826	19267930 14845440	17141080	16514368	Ave		17512364.0				14.0		20.0			
PCB-1232 Peak 5	17932820 13872941	15303290 13057979	14637755	14312810	Ave		14852932.6				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 16:53 Calibration End Date: 10/21/2012 18:07 Calibration ID: 12013

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/3	P1300003.D
Level 2	STD01 240-62068/4	P1300004.D
Level 3	STD02 240-62068/5	P1300005.D
Level 4	STD05 240-62068/6	P1300006.D
Level 5	STD1 240-62068/7	P1300007.D
Level 6	STD2 240-62068/8	P1300008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Ave	1473528 40740192	2635543	4864632	11595577	22094487	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	Ave	1392845 39943050	2464456	4757412	11450223	21640533	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	Ave	2424624 71461098	4271561	7889088	19421914	37930476	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	Ave	1070427 29690880	1926793	3428216	8257184	15896826	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	Ave	896641 26115959	1530329	2927551	7156405	13872941	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300003.D
Lims ID: STD005 1232 Client ID:
Inject. Date: 21-Oct-2012 16:53:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-003
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 62068 Lims Sample ID: 3
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:48 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.588	1.588	0.000	2588233	0.0601		100.0	M
1	2	1.898	1.898	0.000	2132322	0.0599	57.1- 107.1	82.4	
1	3	2.323	2.323	0.000	3767503	0.0528	143.5- 193.5	145.6	
1	4	2.455	2.455	0.000	1359921	0.0498	40.1- 90.1	52.5	
1	5	2.867	2.867	0.000	1714173	0.0587	41.3- 91.3	66.2	
			Average of Peak Amounts =			0.0563			
2	6	2.148	2.148	0.000	1473528	0.0606		100.0	
2	7	2.573	2.573	0.000	1392845	0.0594	67.8- 127.8	94.5	
2	8	3.054	3.054	0.000	2424624	0.0598	132.2- 192.2	164.5	
2	9	3.201	3.201	0.000	1070427	0.0611	40.5- 100.5	72.6	
2	10	3.854	3.854	0.000	896641	0.0604	30.2- 90.2	60.8	
			Average of Peak Amounts =			0.0603			
						RPD = 6.86			

QC Flag Legend

Review Flags
M - Manually Integrated

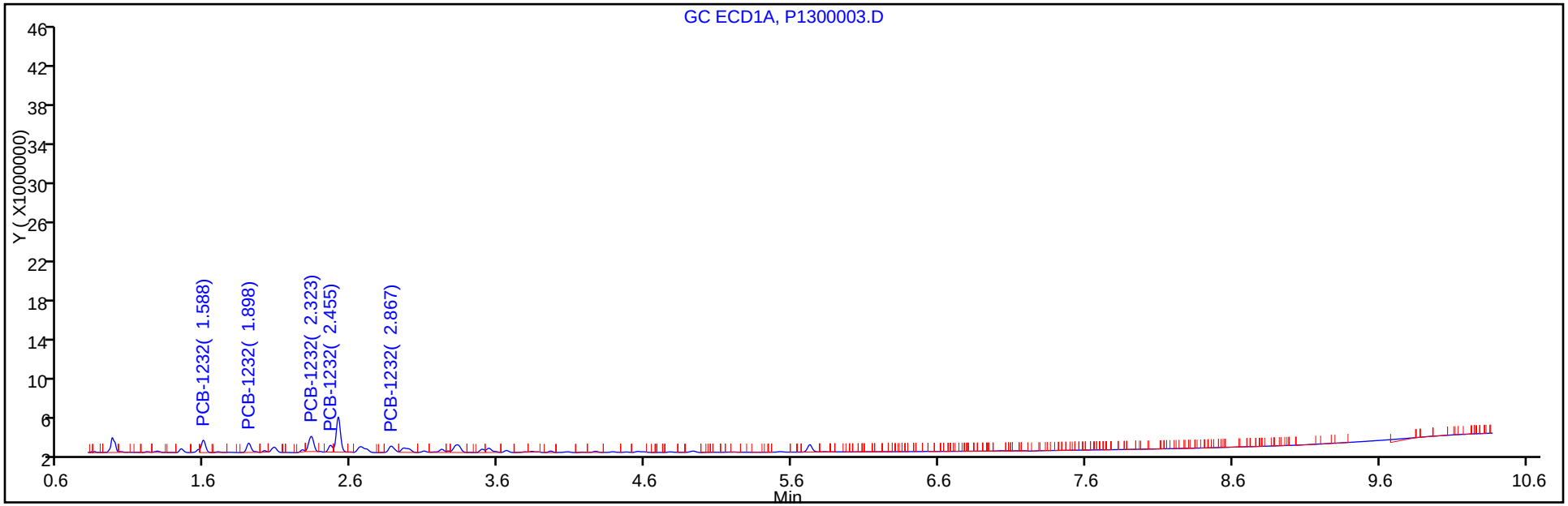
Report Date: 22-Oct-2012 09:18:49 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

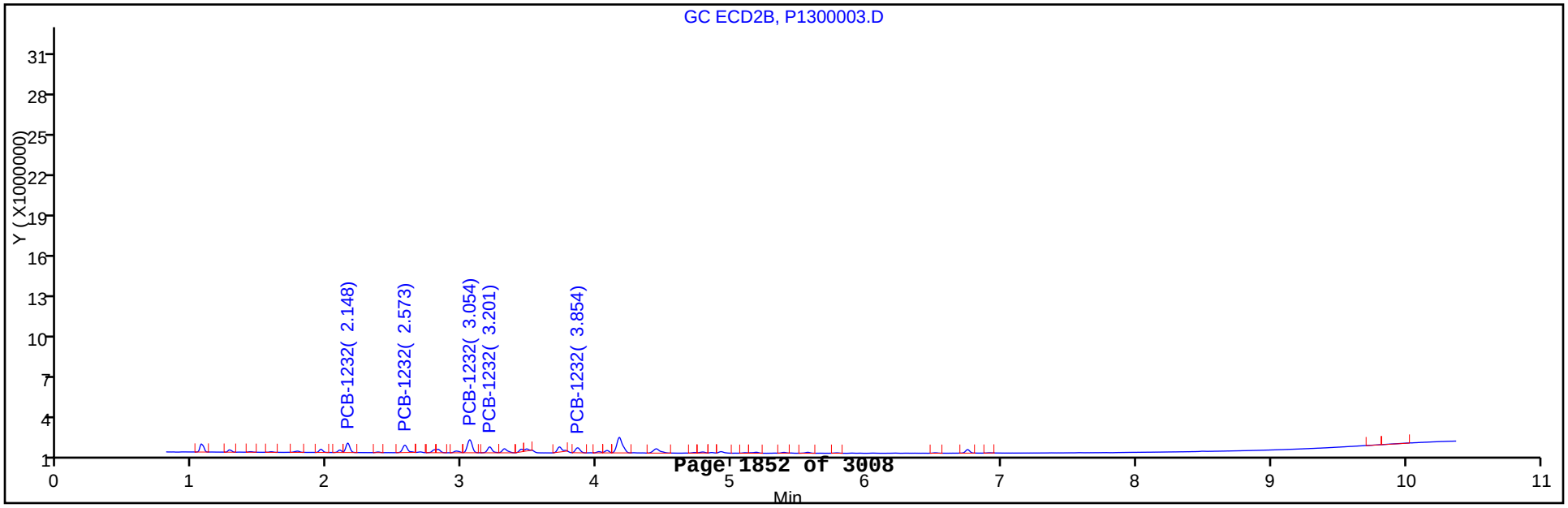
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300003.D

Injection Date:	21-Oct-2012 16:53:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300004.D
Lims ID: STD01 1232 Client ID:
Inject. Date: 21-Oct-2012 17:08:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-004
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 62068 Lims Sample ID: 4
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:46 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.587	1.588	-0.001	4909091	0.1140		100.0	M
1	2	1.897	1.898	-0.001	3998732	0.1123	57.1- 107.1	81.5	
1	3	2.322	2.323	-0.001	8137134	0.1141	143.5- 193.5	165.8	
1	4	2.455	2.455	0.000	2731240	0.1001	40.1- 90.1	55.6	
1	5	2.868	2.867	0.001	3254738	0.1114	41.3- 91.3	66.3	
			Average of Peak Amounts =			0.1104			
2	6	2.148	2.148	0.000	2635543	0.1085		100.0	
2	7	2.572	2.573	-0.001	2464456	0.1050	67.8- 127.8	93.5	
2	8	3.053	3.054	-0.001	4271561	0.1054	132.2- 192.2	162.1	
2	9	3.202	3.201	0.001	1926793	0.1100	40.5- 100.5	73.1	
2	10	3.855	3.854	0.001	1530329	0.1030	30.2- 90.2	58.1	
			Average of Peak Amounts =			0.1064			
						RPD = 3.68			

QC Flag Legend

Review Flags
M - Manually Integrated

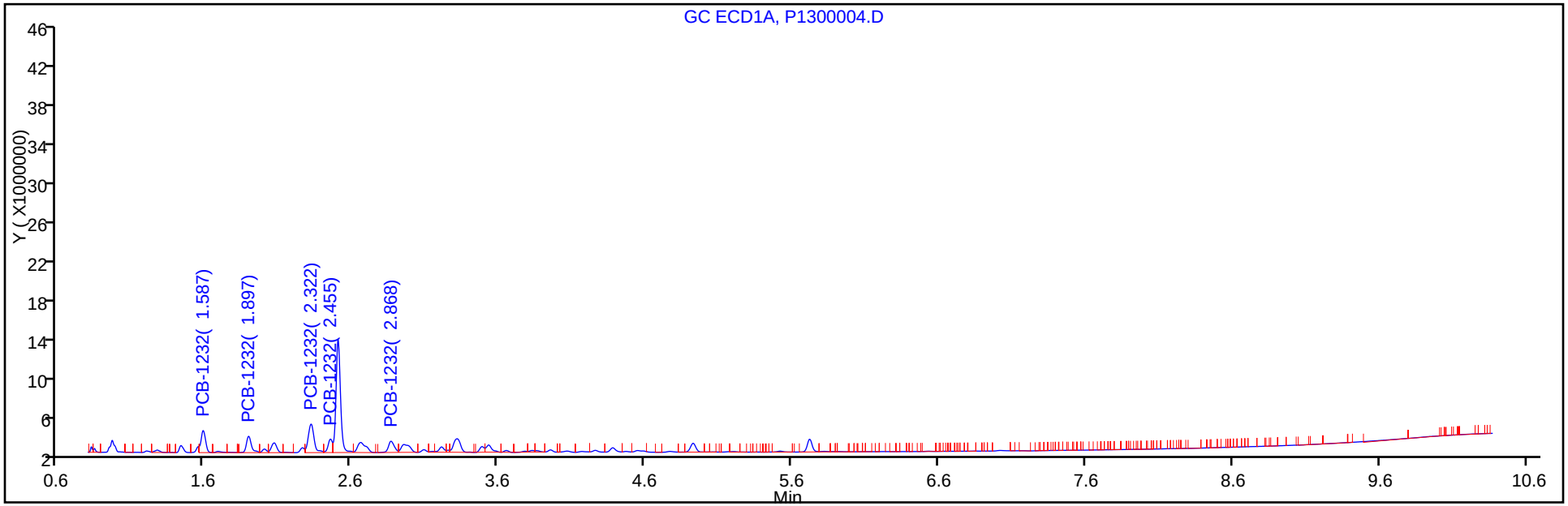
Report Date: 22-Oct-2012 09:18:47 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

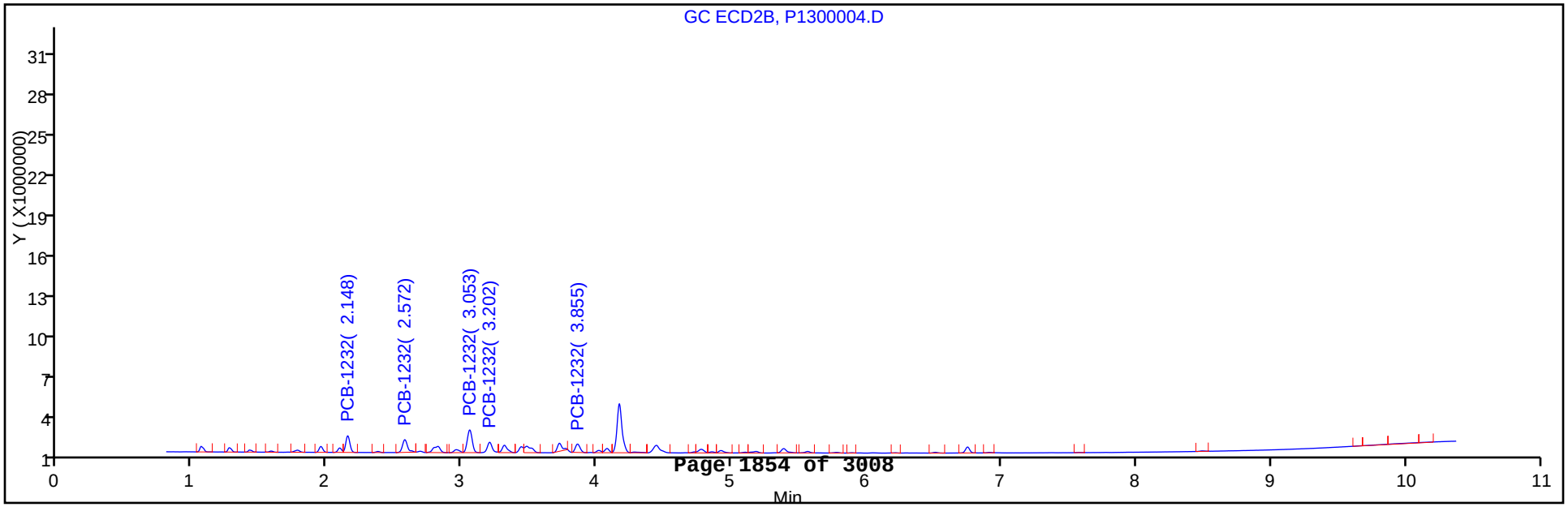
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300004.D

Injection Date:	21-Oct-2012 17:08:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300005.D
Lims ID: STD02 1232 Client ID:
Inject. Date: 21-Oct-2012 17:23:11 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-005
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 62068 Lims Sample ID: 5
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:44 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	8835296	0.2052		100.0	M
1	2	1.896	1.898	-0.002	7256770	0.2037	57.1- 107.1	82.1	
1	3	2.321	2.323	-0.002	14888462	0.2088	143.5- 193.5	168.5	
1	4	2.454	2.455	-0.001	5750046	0.2108	40.1- 90.1	65.1	
1	5	2.866	2.867	-0.001	5858898	0.2005	41.3- 91.3	66.3	
			Average of Peak Amounts =			0.2058			
2	6	2.147	2.148	-0.001	4864632	0.2002		100.0	
2	7	2.571	2.573	-0.002	4757412	0.2027	67.8- 127.8	97.8	
2	8	3.054	3.054	0.000	7889088	0.1947	132.2- 192.2	162.2	
2	9	3.201	3.201	0.000	3428216	0.1958	40.5- 100.5	70.5	
2	10	3.853	3.854	-0.001	2927551	0.1971	30.2- 90.2	60.2	
			Average of Peak Amounts =			0.1981			
						RPD = 3.82			

QC Flag Legend

Review Flags
M - Manually Integrated

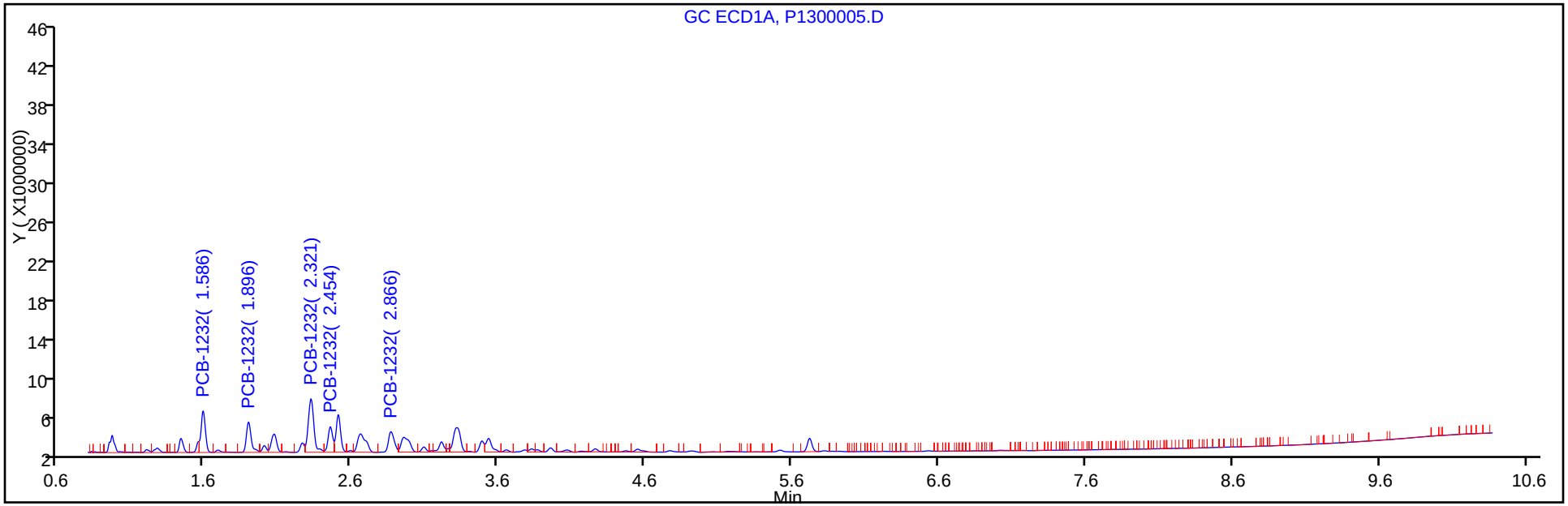
Report Date: 22-Oct-2012 09:18:45 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

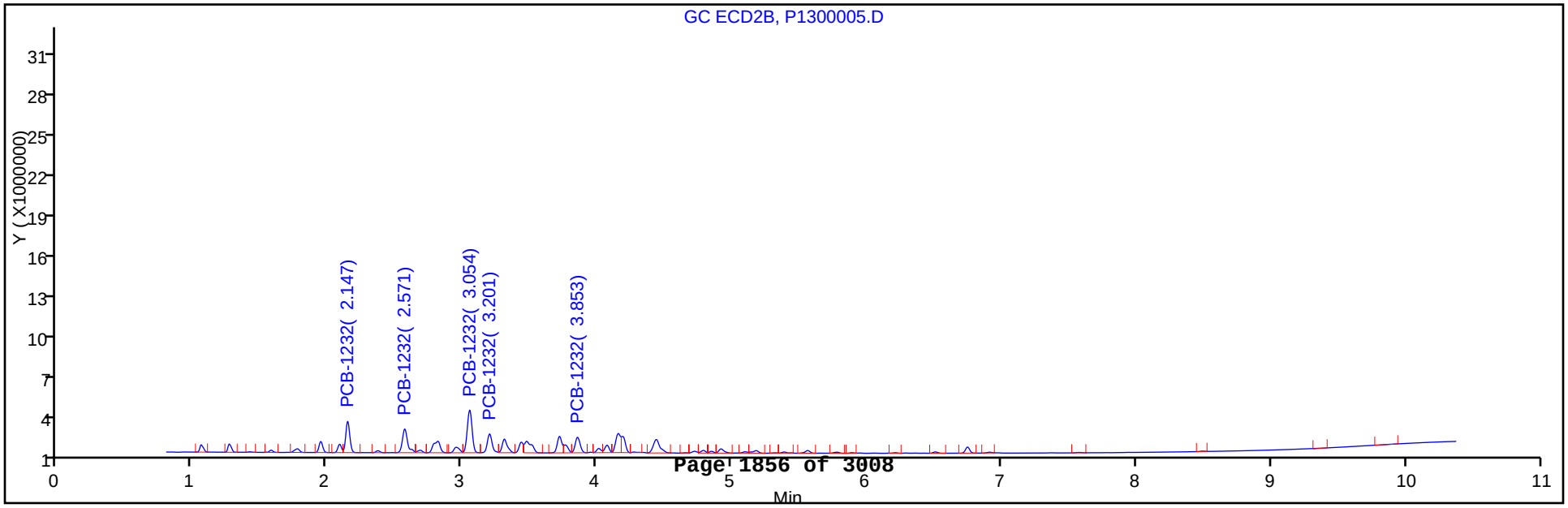
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300005.D

Injection Date:	21-Oct-2012 17:23:11	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	5
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300006.D		
Lims ID:	STD05 1232	Client ID:	
Inject. Date:	21-Oct-2012 17:38:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0014228-006		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	62068	Lims Sample ID:	6
Sublist:	chrom-PCB13*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:43	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:01:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	20852934	0.4844		100.0	M
1	2	1.895	1.898	-0.003	17071065	0.4792	57.1- 107.1	81.9	
1	3	2.323	2.323	0.000	34420642	0.4826	143.5- 193.5	165.1	
1	4	2.453	2.455	-0.002	14107391	0.5171	40.1- 90.1	67.7	
1	5	2.867	2.867	0.000	14144953	0.4841	41.3- 91.3	67.8	
			Average of Peak Amounts =			0.4895			
2	6	2.147	2.148	-0.001	11595577	0.4772		100.0	
2	7	2.571	2.573	-0.002	11450223	0.4879	67.8- 127.8	98.7	
2	8	3.053	3.054	-0.001	19421914	0.4792	132.2- 192.2	167.5	
2	9	3.200	3.201	-0.001	8257184	0.4715	40.5- 100.5	71.2	
2	10	3.853	3.854	-0.001	7156405	0.4818	30.2- 90.2	61.7	
			Average of Peak Amounts =			0.4795			
						RPD = 2.06			

QC Flag Legend

Review Flags
M - Manually Integrated

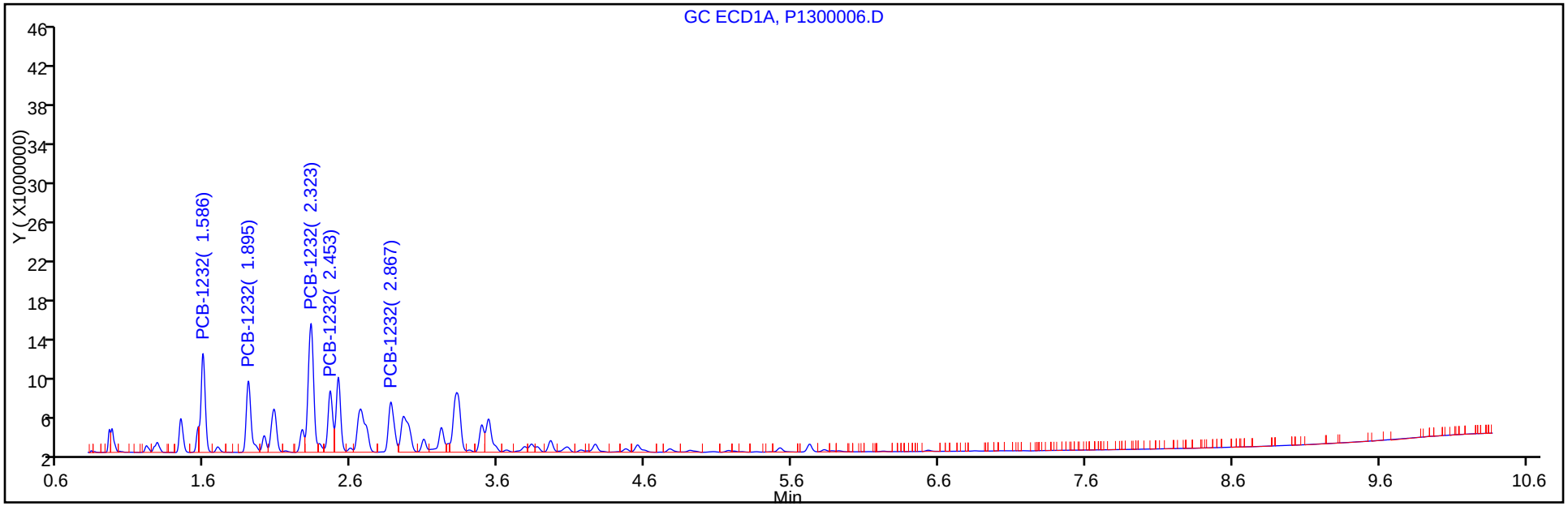
Report Date: 22-Oct-2012 09:18:44 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

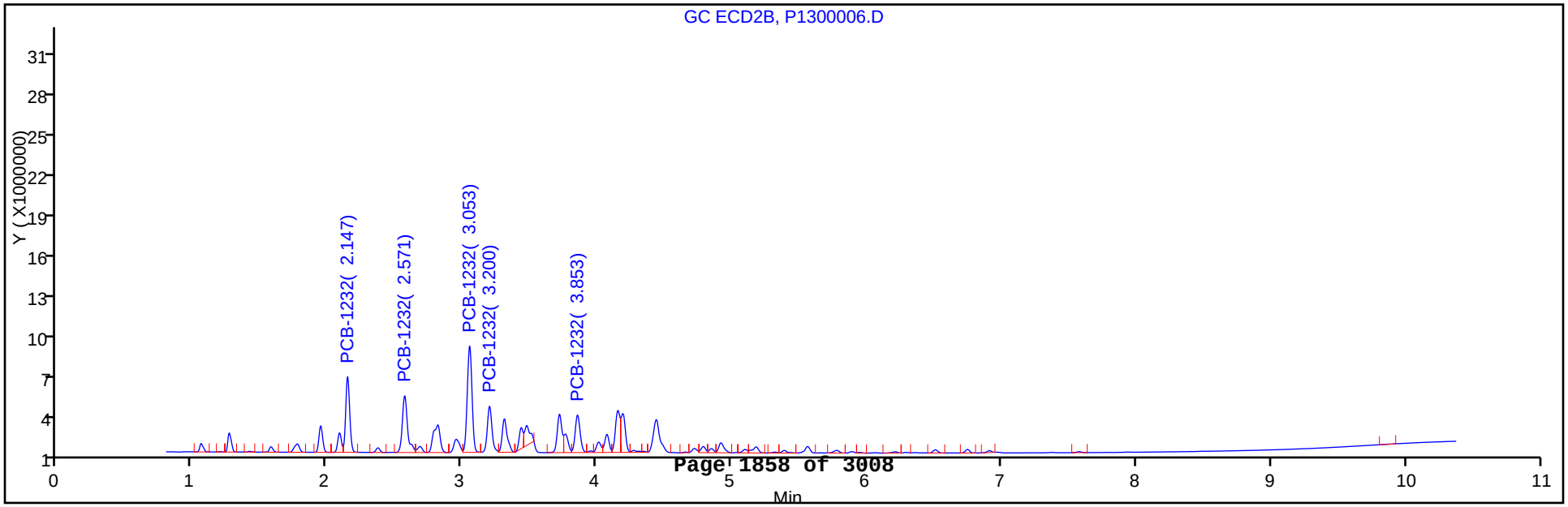
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300006.D

Injection Date:	21-Oct-2012 17:38:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	6
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300007.D
Lims ID: STD1 1232 Client ID:
Inject. Date: 21-Oct-2012 17:53:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-007
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 62068 Lims Sample ID: 7
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:41 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100	1.586	1.588	-0.002	37237214	0.8650		100.0	
1	2	1.895	1.898	-0.003	31853144	0.8942	57.1- 107.1	85.5	
1	3	2.322	2.323	-0.001	64967291	0.9110	143.5- 193.5	174.5	
1	4	2.453	2.455	-0.002	26893700	0.9858	40.1- 90.1	72.2	
1	5	2.866	2.867	-0.001	26108691	0.8935	41.3- 91.3	70.1	
			Average of Peak Amounts =			0.9099			
2	6	2.147	2.148	-0.001	22094487	0.9092		100.0	
2	7	2.571	2.573	-0.002	21640533	0.9222	67.8- 127.8	97.9	
2	8	3.052	3.054	-0.002	37930476	0.9359	132.2- 192.2	171.7	
2	9	3.201	3.201	0.000	15896826	0.9077	40.5- 100.5	71.9	
2	10	3.853	3.854	-0.001	13872941	0.9340	30.2- 90.2	62.8	
			Average of Peak Amounts =			0.9218			
						RPD = 1.30			

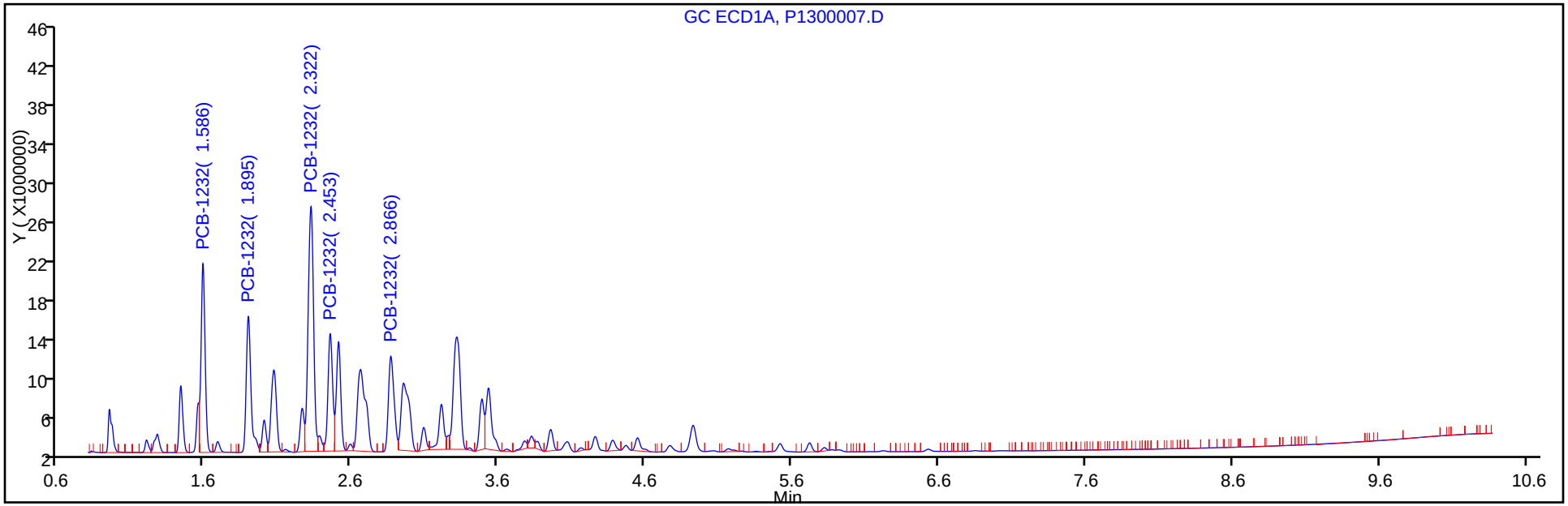
Report Date: 22-Oct-2012 09:18:42 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

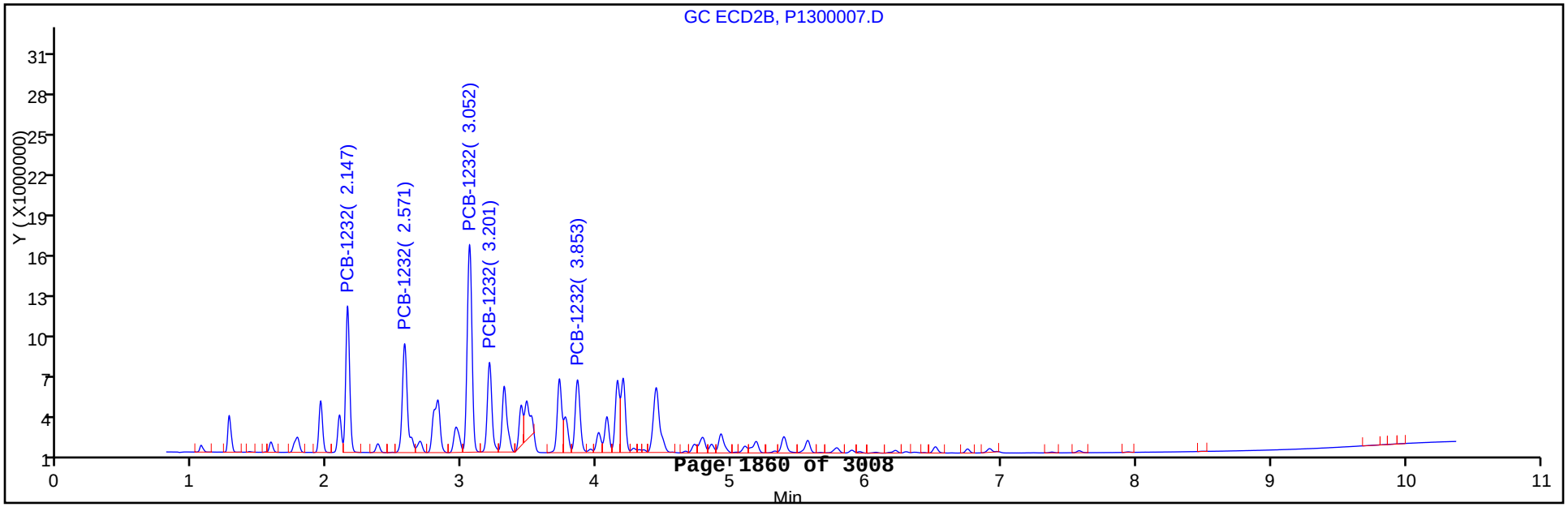
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300007.D

Injection Date:	21-Oct-2012 17:53:00	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	7
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300008.D
Lims ID: STD2 1232 Client ID:
Inject. Date: 21-Oct-2012 18:07:54 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014228-008
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 62068 Lims Sample ID: 8
Sublist: chrom-PCB13*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:40 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.587	1.588	-0.001	68621944	1.59		100.0	M
1	2	1.897	1.898	-0.001	57635483	1.62	57.1- 107.1	84.0	
1	3	2.323	2.323	0.000	125869515	1.76	143.5- 193.5	183.4	
1	4	2.454	2.455	-0.001	50627104	1.86	40.1- 90.1	73.8	
1	5	2.868	2.867	0.001	49612956	1.70	41.3- 91.3	72.3	
			Average of Peak Amounts =			1.71			
2	6	2.148	2.148	0.000	40740192	1.68		100.0	
2	7	2.572	2.573	-0.001	39943050	1.70	67.8- 127.8	98.0	
2	8	3.053	3.054	-0.001	71461098	1.76	132.2- 192.2	175.4	
2	9	3.201	3.201	0.000	29690880	1.70	40.5- 100.5	72.9	
2	10	3.855	3.854	0.001	26115959	1.76	30.2- 90.2	64.1	
			Average of Peak Amounts =			1.72			
						RPD = 0.76			

QC Flag Legend

Review Flags
M - Manually Integrated

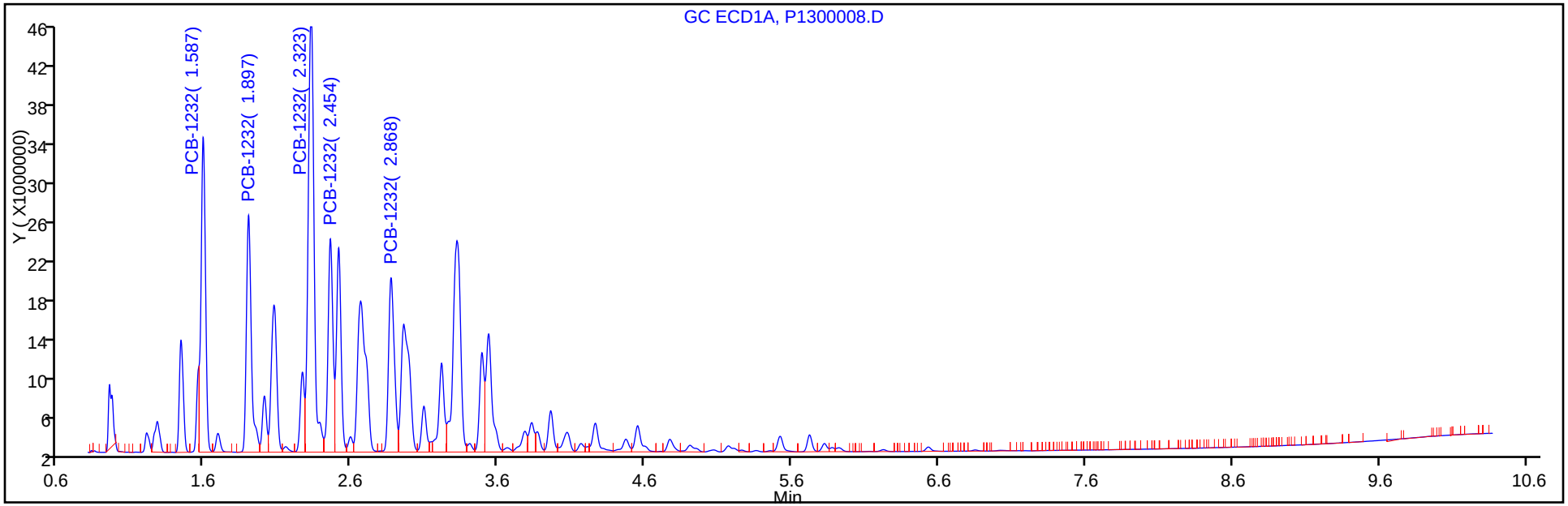
Report Date: 22-Oct-2012 09:18:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

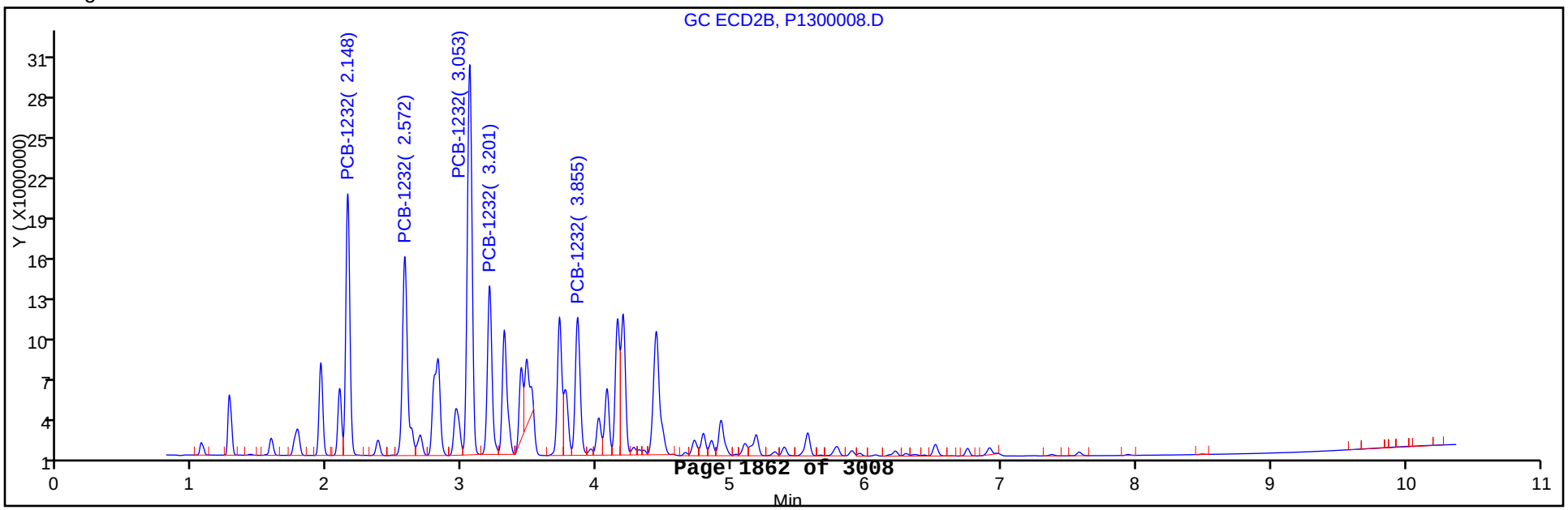
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300008.D

Injection Date:	21-Oct-2012 18:07:54	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	8
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12018

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	1.587	1.586	1.587	1.588	1.587	1.587					1.537 - 1.637	1.587
PCB-1242 Peak 2	1.896	1.896	1.895	1.896	1.897	1.897					1.846 - 1.946	1.896
PCB-1242 Peak 3	2.323	2.323	2.322	2.323	2.322	2.324					2.273 - 2.373	2.323
PCB-1242 Peak 4	2.454	2.454	2.454	2.454	2.454	2.454					2.404 - 2.504	2.454
PCB-1242 Peak 5	2.868	2.866	2.867	2.867	2.867	2.867					2.818 - 2.918	2.867

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12018

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	39544240 28368197	37297150 26781727	34742405	30714234	Ave		32907992.3				15.0		20.0			
PCB-1242 Peak 2	71135520 51775659	67516010 47660591	62899050	57049878	Ave		59672784.7				15.0		20.0			
PCB-1242 Peak 3	147118040 113121650	139637050 110336211	132034270	122121718	Ave		127394823				12.0		20.0			
PCB-1242 Peak 4	56155120 48196842	56036930 45158893	54210415	51231618	Ave		51831636.3				8.6		20.0			
PCB-1242 Peak 5	66671900 49628893	61877130 46938211	58147035	53701158	Ave		56160721.1				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12018

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	1977212 53563455	3729715	6948481	15357117	28368197	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	Ave	3556776 95321182	6751601	12579810	28524939	51775659	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	Ave	7355902 220672422	13963705	26406854	61060859	113121650	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	Ave	2807756 90317785	5603693	10842083	25615809	48196842	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	Ave	3333595 93876421	6187713	11629407	26850579	49628893	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300009.D
Lims ID: STD005 1242 Client ID:
Inject. Date: 21-Oct-2012 18:22:50 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-009
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 62068 Lims Sample ID: 9
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:39 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.587	1.587	0.000	1977212	0.0601		100.0	
1	2	1.896	1.896	0.000	3556776	0.0596	156.0- 206.0	179.9	
1	3	2.323	2.323	0.000	7355902	0.0577	355.0- 405.0	372.0	
1	4	2.454	2.454	0.000	2807756	0.0542	131.0- 181.0	142.0	
1	5	2.868	2.868	0.000	3333595	0.0594	142.4- 192.4	168.6	
			Average of Peak Amounts =			0.0582			
2	6	2.148	2.148	0.000	1109040	0.0595		100.0	
2	7	2.573	2.573	0.000	2180104	0.0572	176.6- 236.6	196.6	
2	8	3.053	3.053	0.000	4056048	0.0558	356.3- 416.3	365.7	
2	9	3.202	3.202	0.000	1821129	0.0584	135.8- 195.8	164.2	
2	10	3.719	3.719	0.000	1589716	0.0568	121.8- 181.8	143.3	
			Average of Peak Amounts =			0.0575			
						RPD = 1.13			

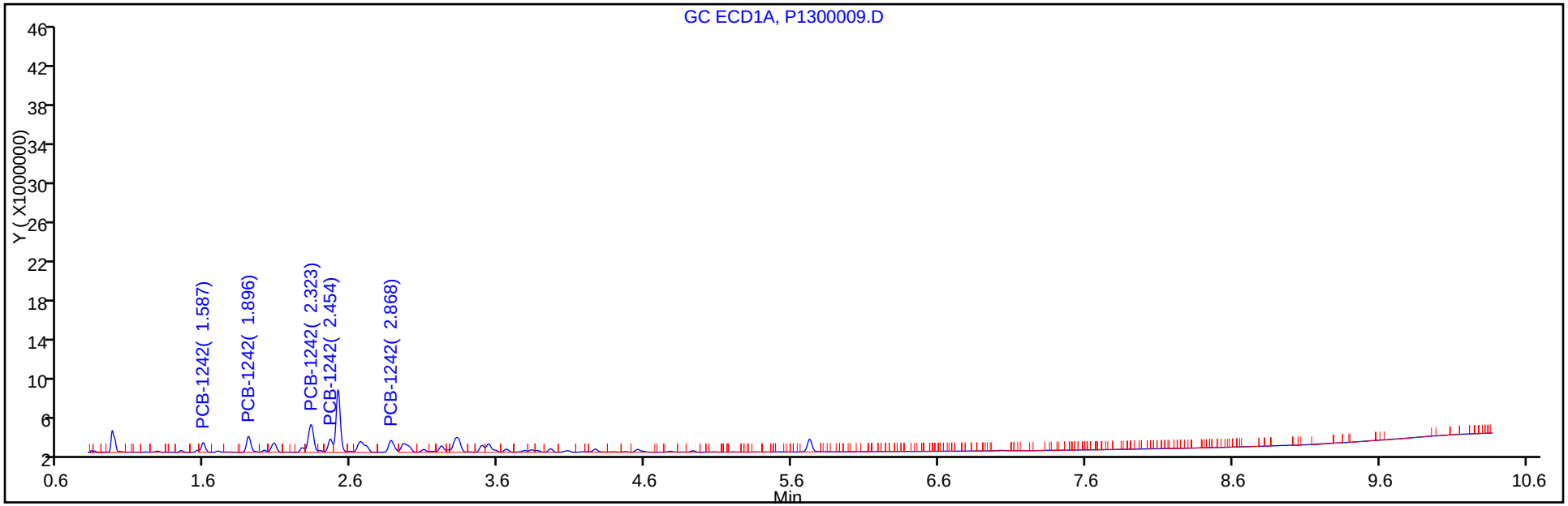
Report Date: 22-Oct-2012 09:18:39 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

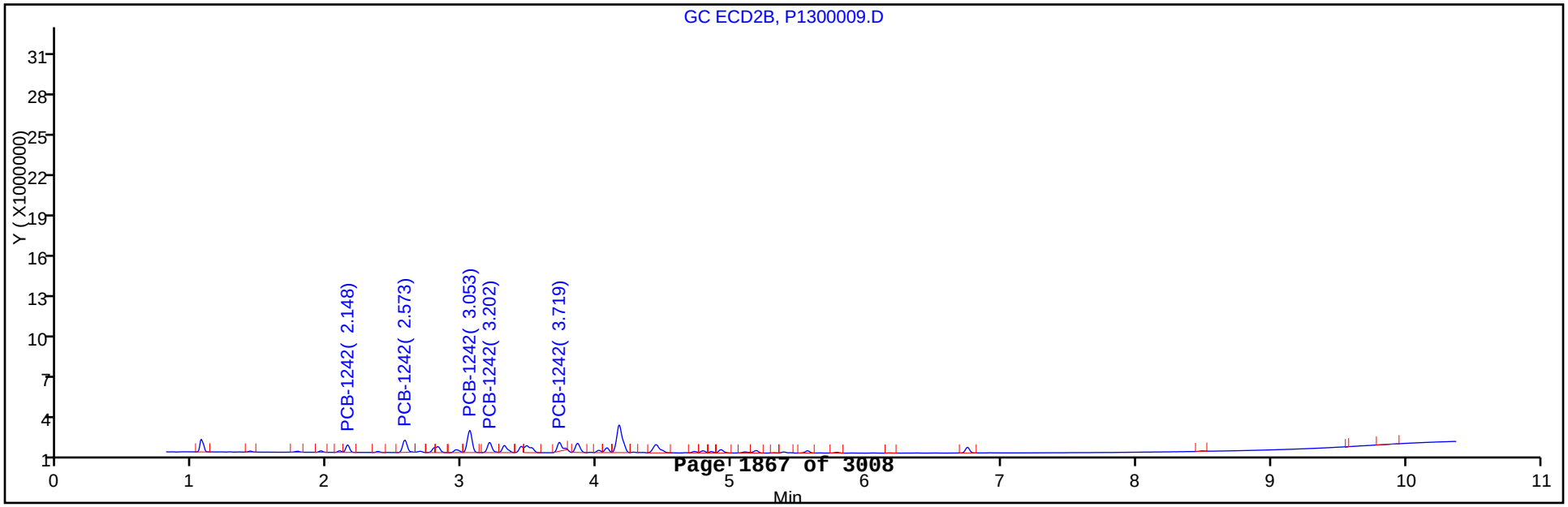
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300009.D

Injection Date:	21-Oct-2012 18:22:50	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	9
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300010.D
Lims ID: STD01 1242 Client ID:
Inject. Date: 21-Oct-2012 18:37:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-010
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 62068 Lims Sample ID: 10
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:37 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.586	1.587	-0.001	3729715	0.1133		100.0	M
1	2	1.896	1.896	0.000	6751601	0.1131	156.0- 206.0	181.0	
1	3	2.323	2.323	0.000	13963705	0.1096	355.0- 405.0	374.4	
1	4	2.454	2.454	0.000	5603693	0.1081	131.0- 181.0	150.2	
1	5	2.866	2.868	-0.002	6187713	0.1102	142.4- 192.4	165.9	
			Average of Peak Amounts =			0.1109			
2	6	2.147	2.148	-0.001	2089788	0.1120		100.0	
2	7	2.572	2.573	-0.001	4205409	0.1104	176.6- 236.6	201.2	
2	8	3.054	3.053	0.001	7723719	0.1063	356.3- 416.3	369.6	
2	9	3.201	3.202	-0.001	3379048	0.1084	135.8- 195.8	161.7	
2	10	3.720	3.719	0.001	3248342	0.1160	121.8- 181.8	155.4	
			Average of Peak Amounts =			0.1106			
						RPD = 0.23			

QC Flag Legend

Review Flags
M - Manually Integrated

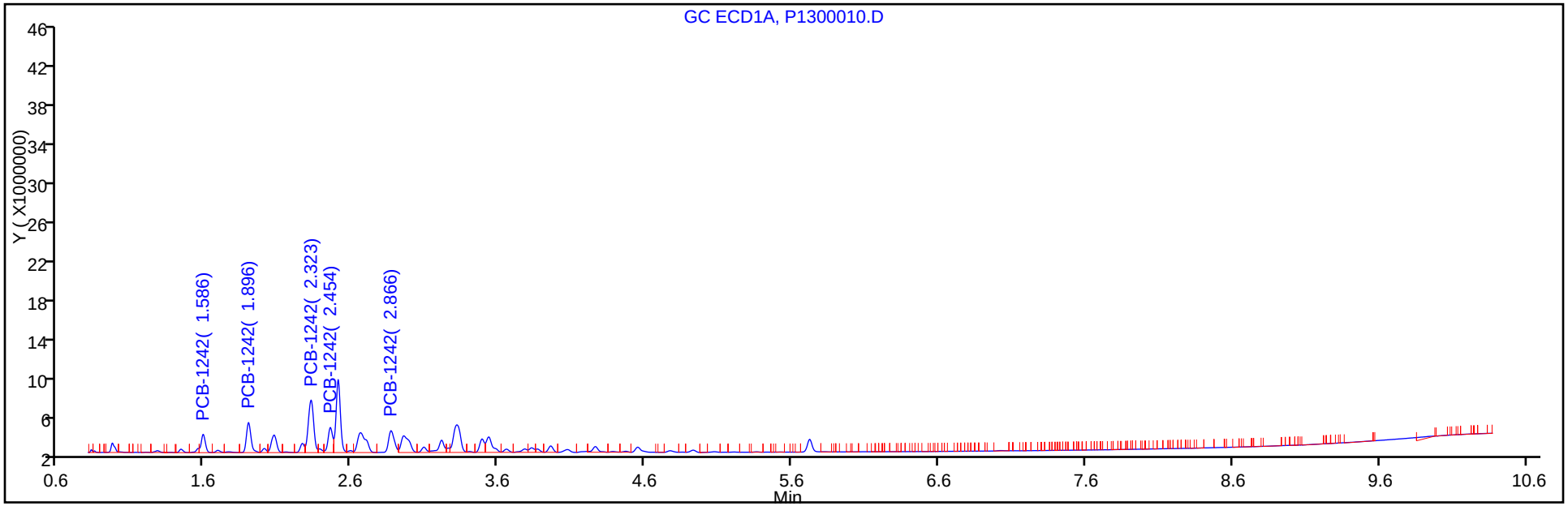
Report Date: 22-Oct-2012 09:18:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

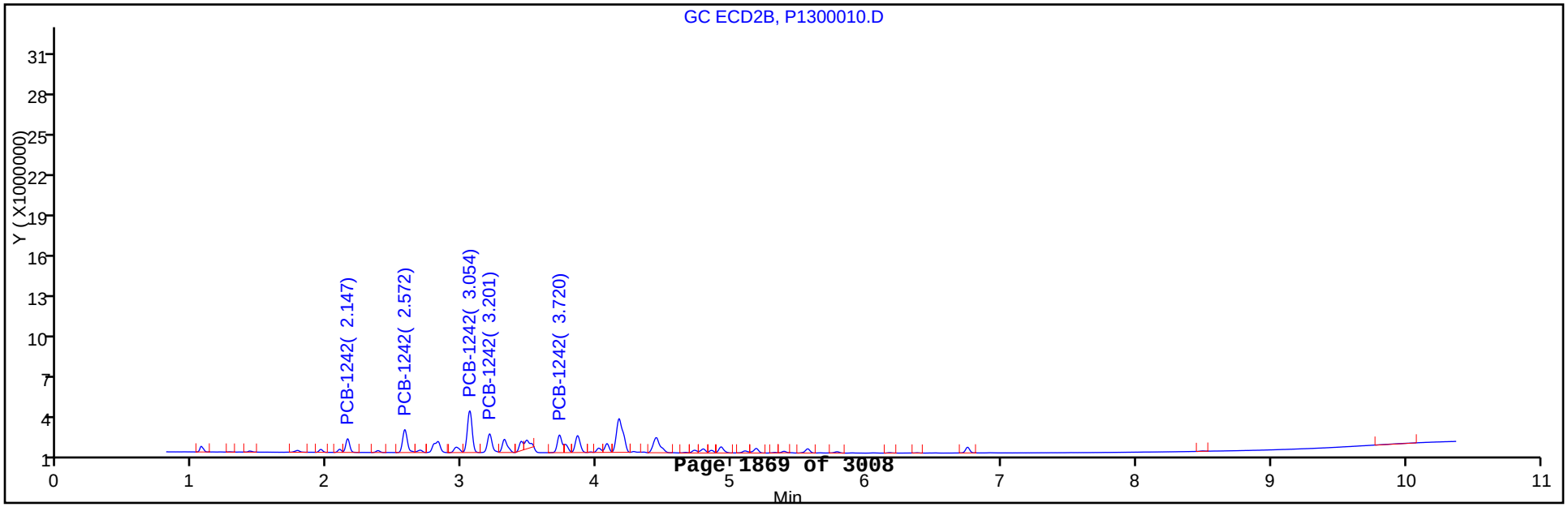
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300010.D

Injection Date:	21-Oct-2012 18:37:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



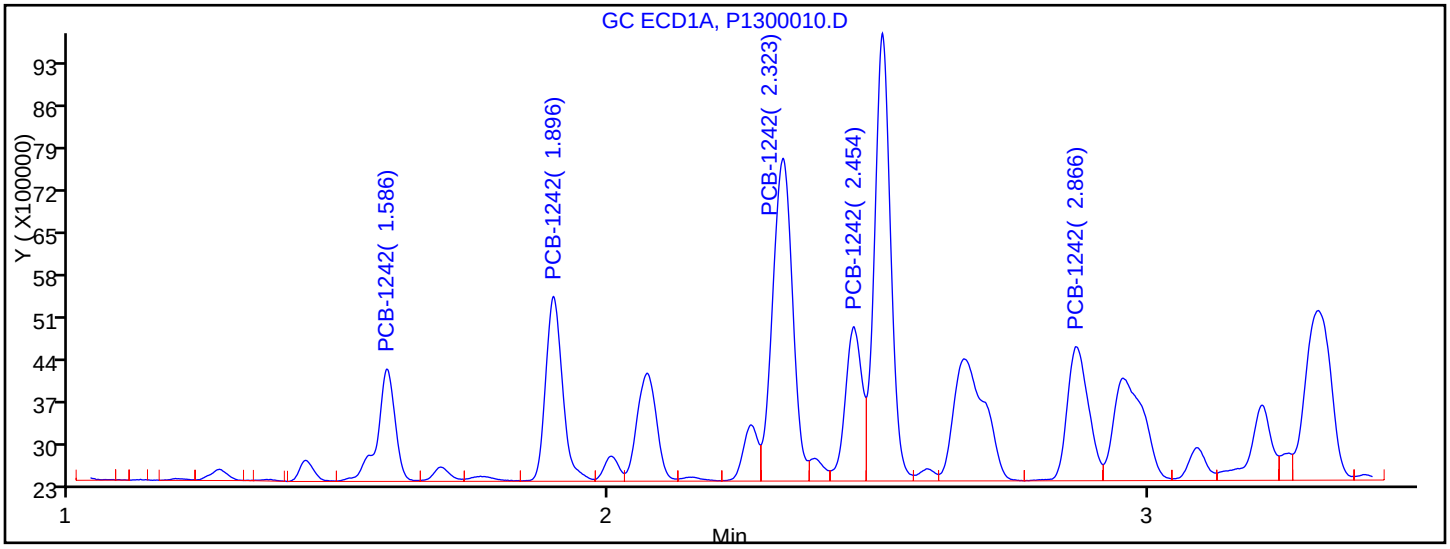
Report Date: 22-Oct-2012 09:18:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300010.D

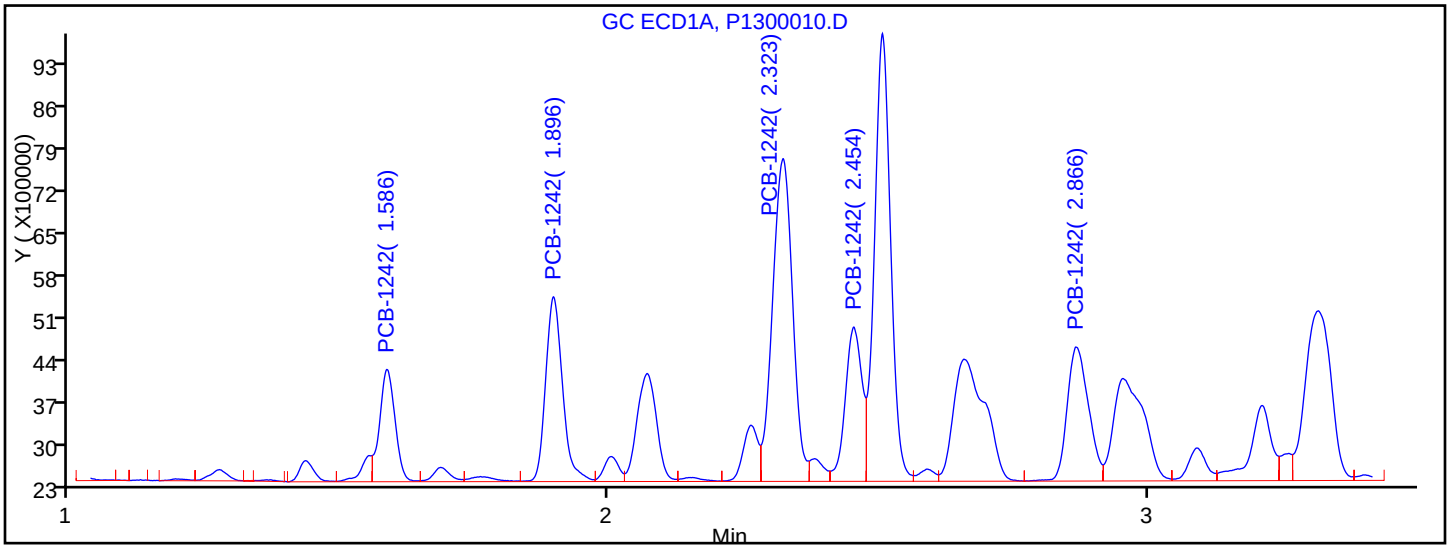
Injection Date:	21-Oct-2012 18:37:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 4354961	M
RT = 1.896	Response = 6751601	
RT = 2.323	Response = 13963705	
RT = 2.454	Response = 5603693	
RT = 2.866	Response = 6187713	



Manual Integration Results

RT = 1.586	Response = 3729715	M
RT = 1.896	Response = 6751601	
RT = 2.323	Response = 13963705	
RT = 2.454	Response = 5603693	
RT = 2.866	Response = 6187713	

Reviewer: hassl, 22-Oct-2012 09:02:35

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300011.D
Lims ID: STD02 1242 Client ID:
Inject. Date: 21-Oct-2012 18:52:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-011
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 62068 Lims Sample ID: 11
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:35 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	6948481	0.2111		100.0	M
1	2	1.895	1.896	-0.001	12579810	0.2108	156.0- 206.0	181.0	
1	3	2.322	2.323	-0.001	26406854	0.2073	355.0- 405.0	380.0	
1	4	2.454	2.454	0.000	10842083	0.2092	131.0- 181.0	156.0	
1	5	2.867	2.868	-0.001	11629407	0.2071	142.4- 192.4	167.4	
			Average of Peak Amounts =			0.2091			
2	6	2.147	2.148	-0.001	3866032	0.2073		100.0	
2	7	2.572	2.573	-0.001	7987487	0.2097	176.6- 236.6	206.6	
2	8	3.054	3.053	0.001	14936000	0.2055	356.3- 416.3	386.3	
2	9	3.201	3.202	-0.001	6409305	0.2056	135.8- 195.8	165.8	
2	10	3.720	3.719	0.001	5870156	0.2096	121.8- 181.8	151.8	
			Average of Peak Amounts =			0.2075			
						RPD = 0.75			

QC Flag Legend

Review Flags
M - Manually Integrated

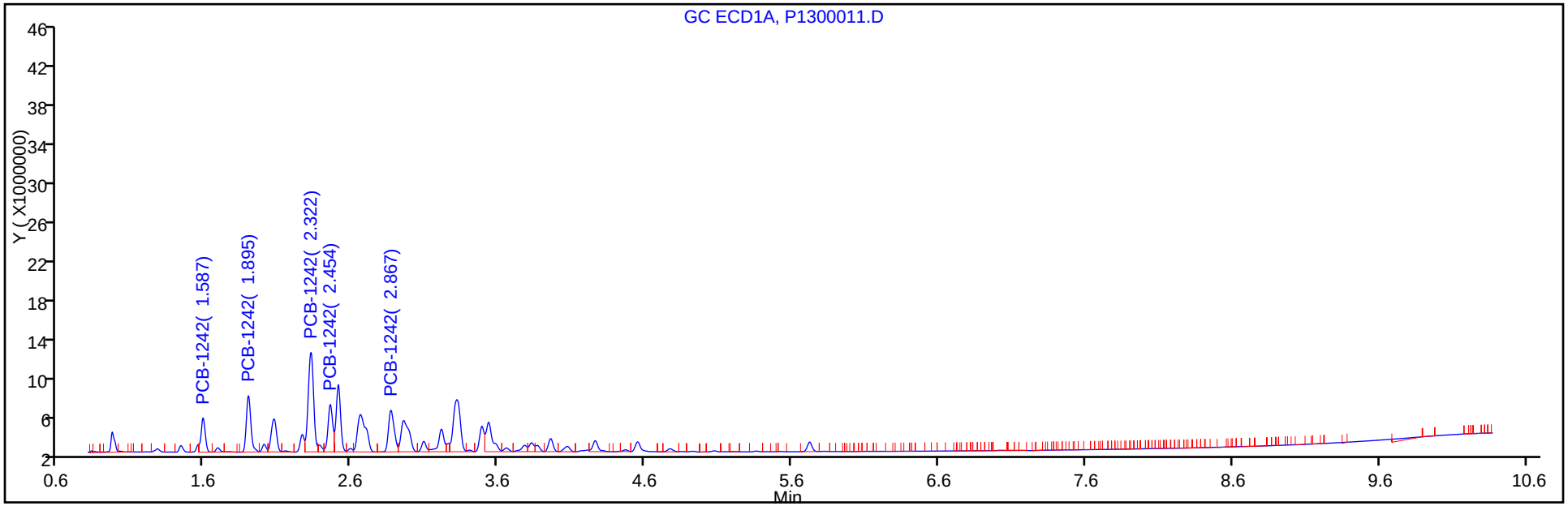
Report Date: 22-Oct-2012 09:18:36 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

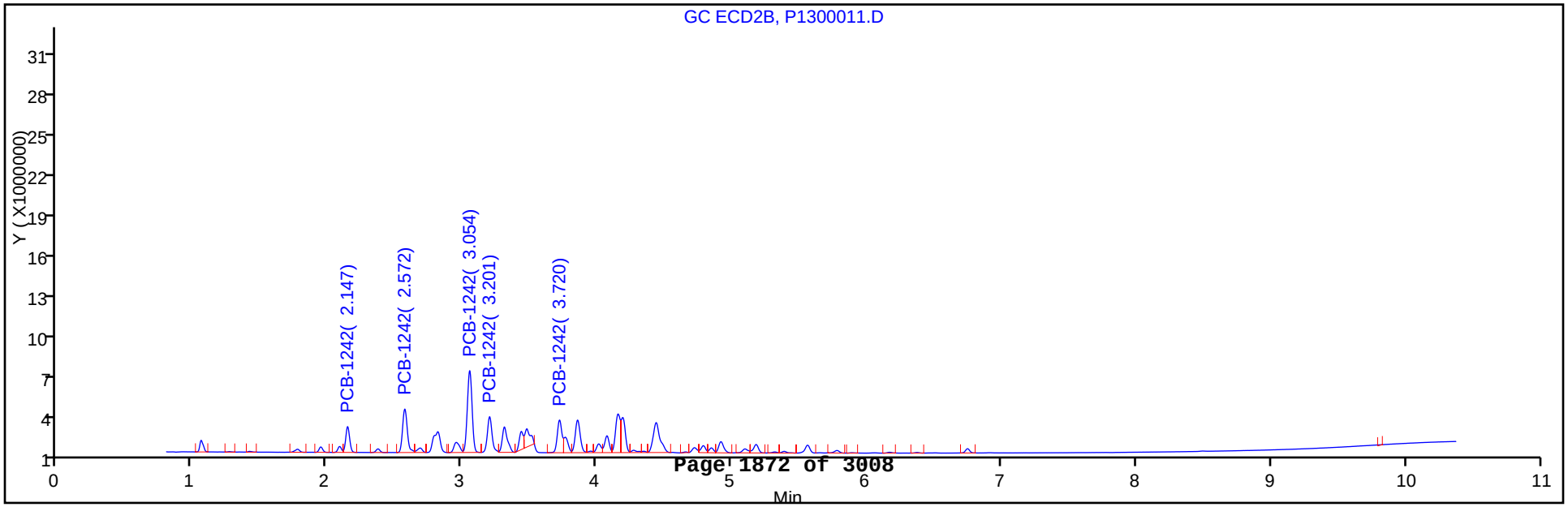
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300011.D

Injection Date:	21-Oct-2012 18:52:48	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



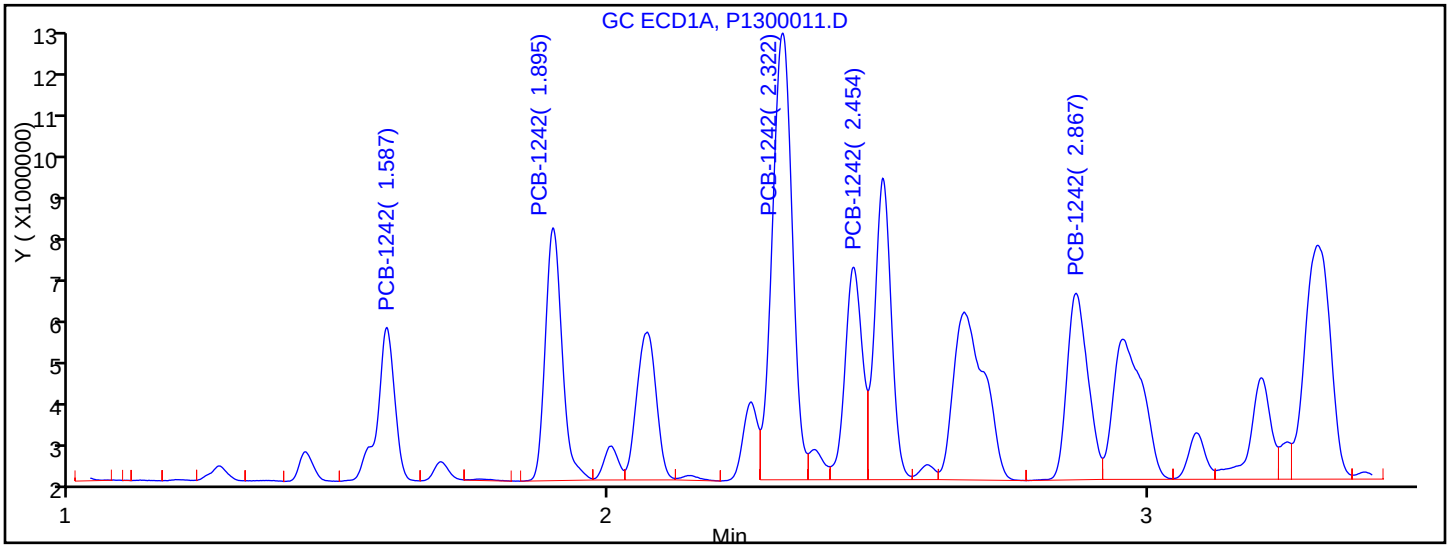
Report Date: 22-Oct-2012 09:18:36 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300011.D

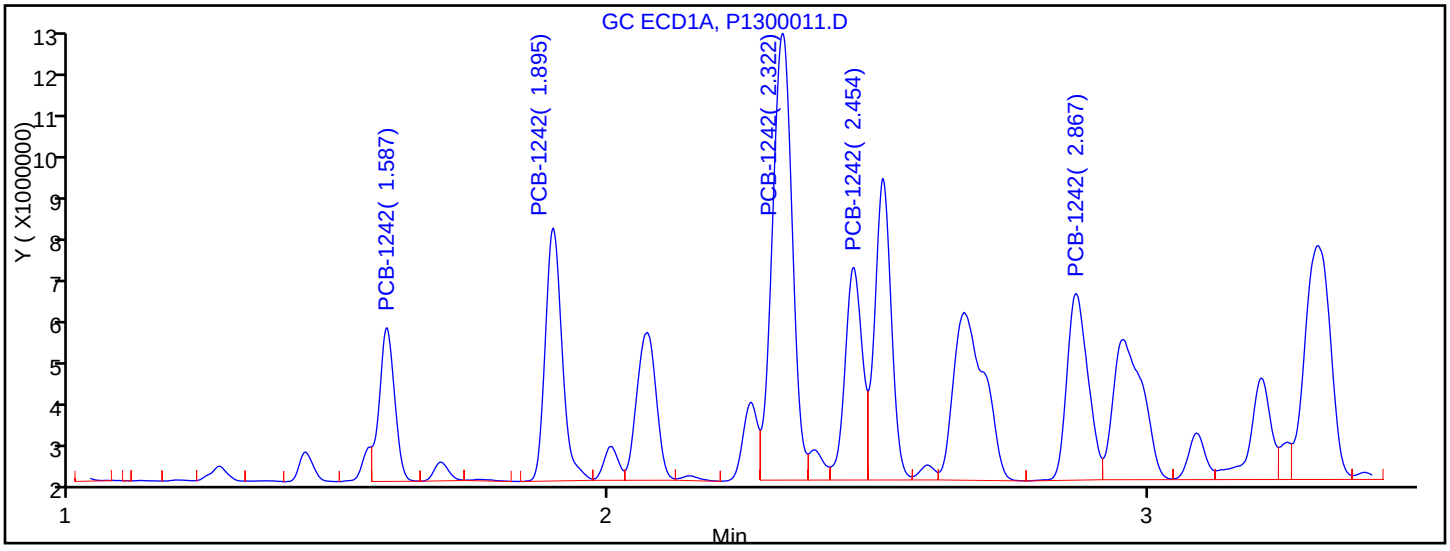
Injection Date:	21-Oct-2012 18:52:48	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 7859675	M
RT = 1.895	Response = 12579810	
RT = 2.322	Response = 26406854	
RT = 2.454	Response = 10842083	
RT = 2.867	Response = 11629407	



Manual Integration Results

RT = 1.587	Response = 6948481	M
RT = 1.895	Response = 12579810	
RT = 2.322	Response = 26406854	
RT = 2.454	Response = 10842083	
RT = 2.867	Response = 11629407	

Reviewer: hassl, 22-Oct-2012 09:03:38

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300012.D
Lims ID: STD05 1242 Client ID:
Inject. Date: 21-Oct-2012 19:07:42 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-012
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 62068 Lims Sample ID: 12
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:34 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.588	1.587	0.001	15357117	0.4667		100.0	M
1	2	1.896	1.896	0.000	28524939	0.4780	156.0- 206.0	185.7	
1	3	2.323	2.323	0.000	61060859	0.4793	355.0- 405.0	397.6	
1	4	2.454	2.454	0.000	25615809	0.4942	131.0- 181.0	166.8	
1	5	2.867	2.868	-0.001	26850579	0.4781	142.4- 192.4	174.8	
			Average of Peak Amounts =			0.4793			
2	6	2.148	2.148	0.000	8793387	0.4715		100.0	
2	7	2.572	2.573	-0.001	18266334	0.4795	176.6- 236.6	207.7	
2	8	3.054	3.053	0.001	35320645	0.4860	356.3- 416.3	401.7	
2	9	3.201	3.202	-0.001	14830061	0.4758	135.8- 195.8	168.7	
2	10	3.720	3.719	0.001	12958357	0.4627	121.8- 181.8	147.4	
			Average of Peak Amounts =			0.4751			
						RPD = 0.87			

QC Flag Legend

Review Flags
M - Manually Integrated

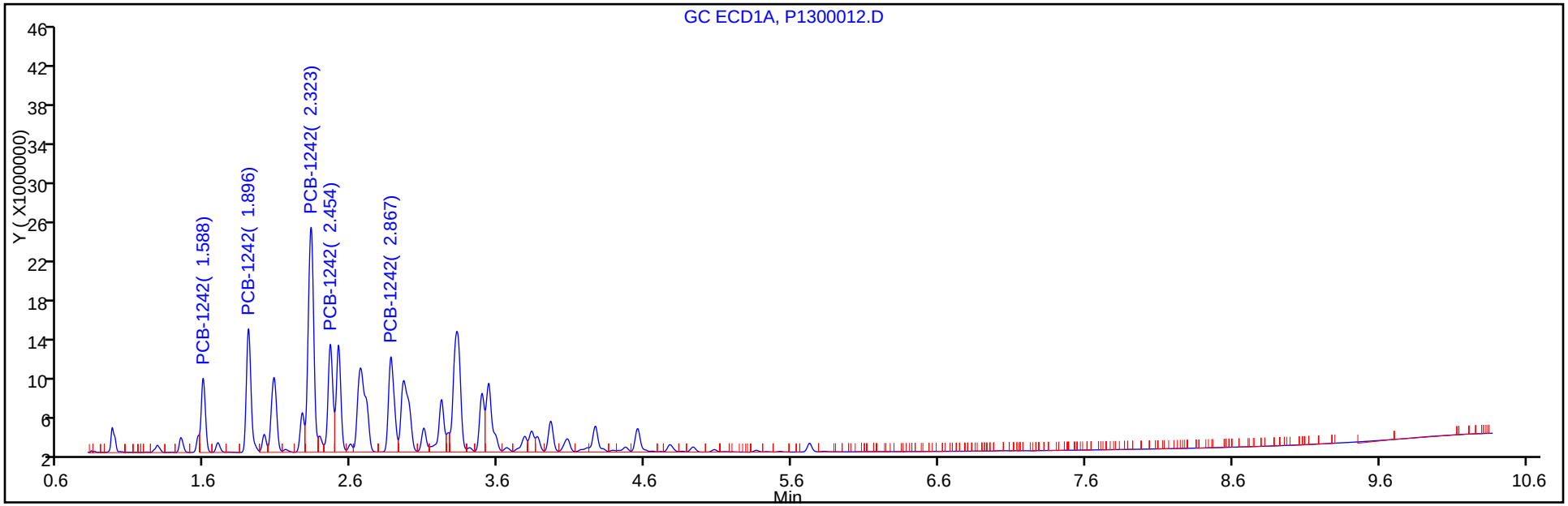
Report Date: 22-Oct-2012 09:18:35 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

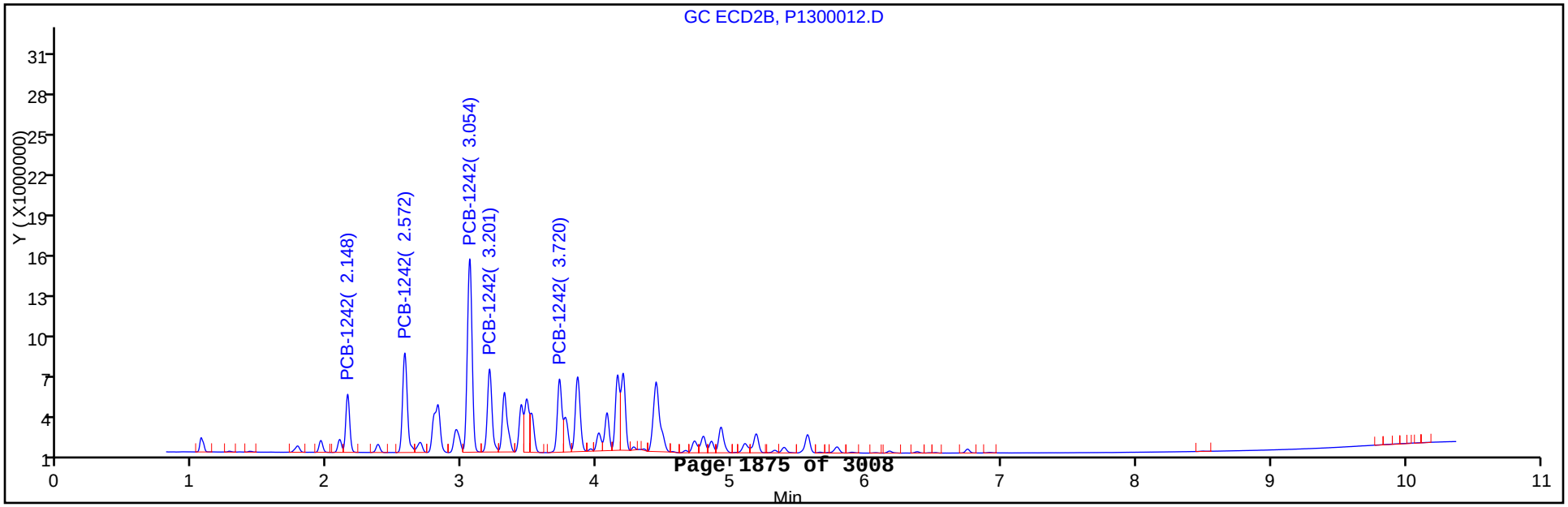
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300012.D

Injection Date:	21-Oct-2012 19:07:42	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



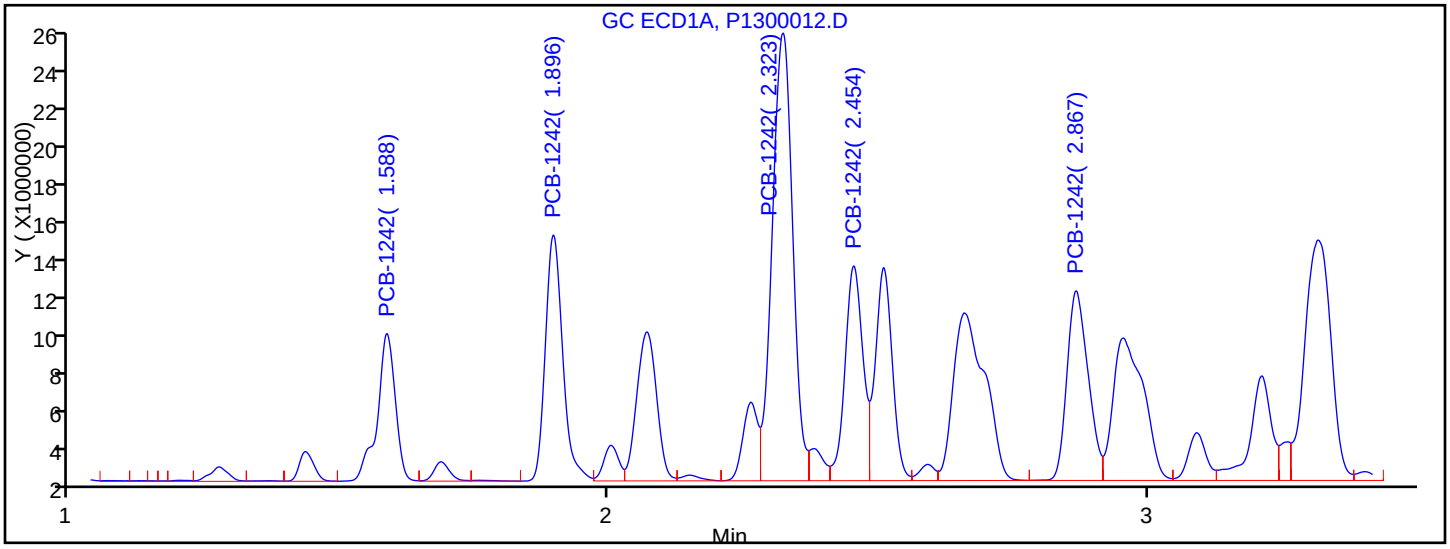
Report Date: 22-Oct-2012 09:18:35 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300012.D

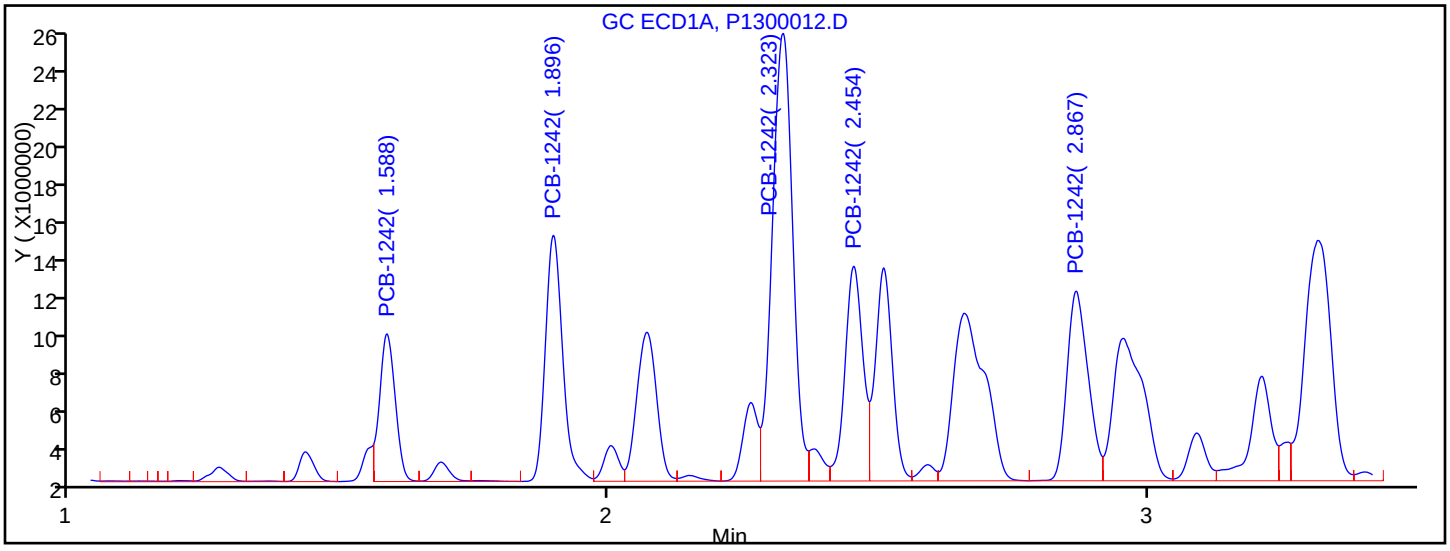
Injection Date:	21-Oct-2012 19:07:42	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.588	Response = 17740253	M
RT = 1.896	Response = 28524939	
RT = 2.323	Response = 61060859	
RT = 2.454	Response = 25615809	
RT = 2.867	Response = 26850579	



Manual Integration Results

RT = 1.588	Response = 15357117	M
RT = 1.896	Response = 28524939	
RT = 2.323	Response = 61060859	
RT = 2.454	Response = 25615809	
RT = 2.867	Response = 26850579	

Reviewer: hassl, 22-Oct-2012 09:03:23

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300013.D
Lims ID: STD1 1242 Client ID:
Inject. Date: 21-Oct-2012 19:22:36 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-013
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 62068 Lims Sample ID: 13
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:32 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	28368197	0.8620		100.0	M
1	2	1.897	1.896	0.001	51775659	0.8677	156.0- 206.0	182.5	
1	3	2.322	2.323	-0.001	113121650	0.8880	355.0- 405.0	398.8	
1	4	2.454	2.454	0.000	48196842	0.9299	131.0- 181.0	169.9	
1	5	2.867	2.868	-0.001	49628893	0.8837	142.4- 192.4	174.9	
			Average of Peak Amounts =			0.8862			
2	6	2.147	2.148	-0.001	16343628	0.8763		100.0	
2	7	2.572	2.573	-0.001	34046790	0.8938	176.6- 236.6	208.3	
2	8	3.054	3.053	0.001	67395782	0.9274	356.3- 416.3	412.4	
2	9	3.201	3.202	-0.001	28041523	0.8997	135.8- 195.8	171.6	
2	10	3.720	3.719	0.001	24651587	0.8802	121.8- 181.8	150.8	
			Average of Peak Amounts =			0.8955			
						RPD = 1.04			

QC Flag Legend

Review Flags
M - Manually Integrated

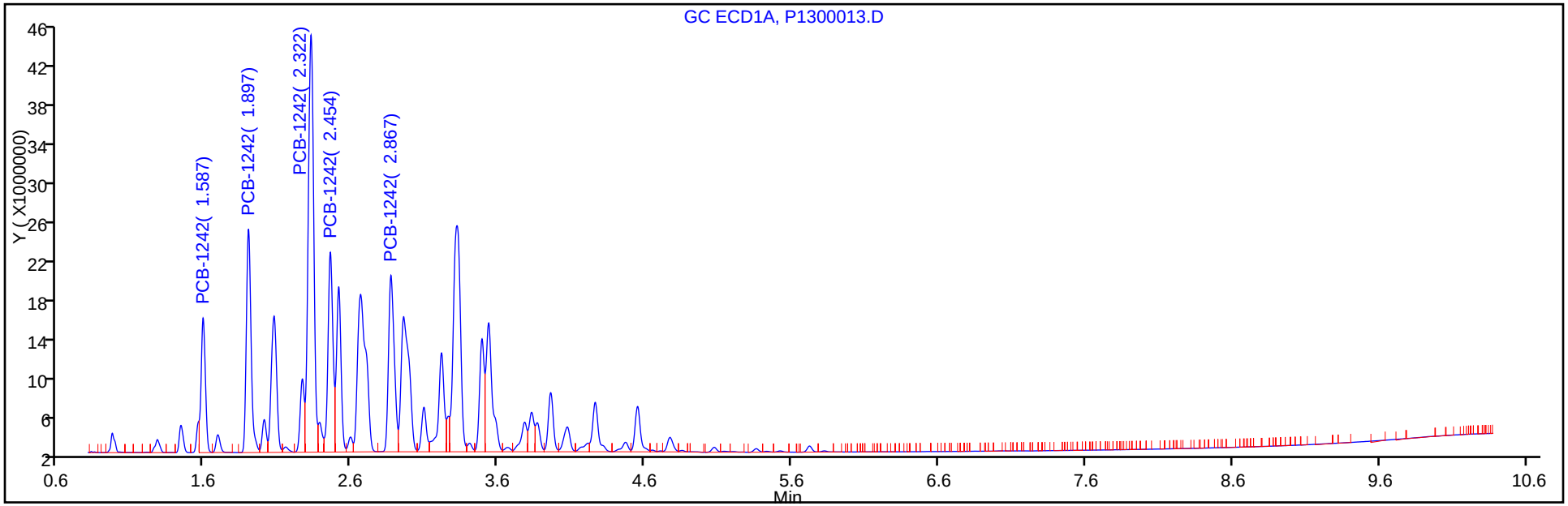
Report Date: 22-Oct-2012 09:18:33 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

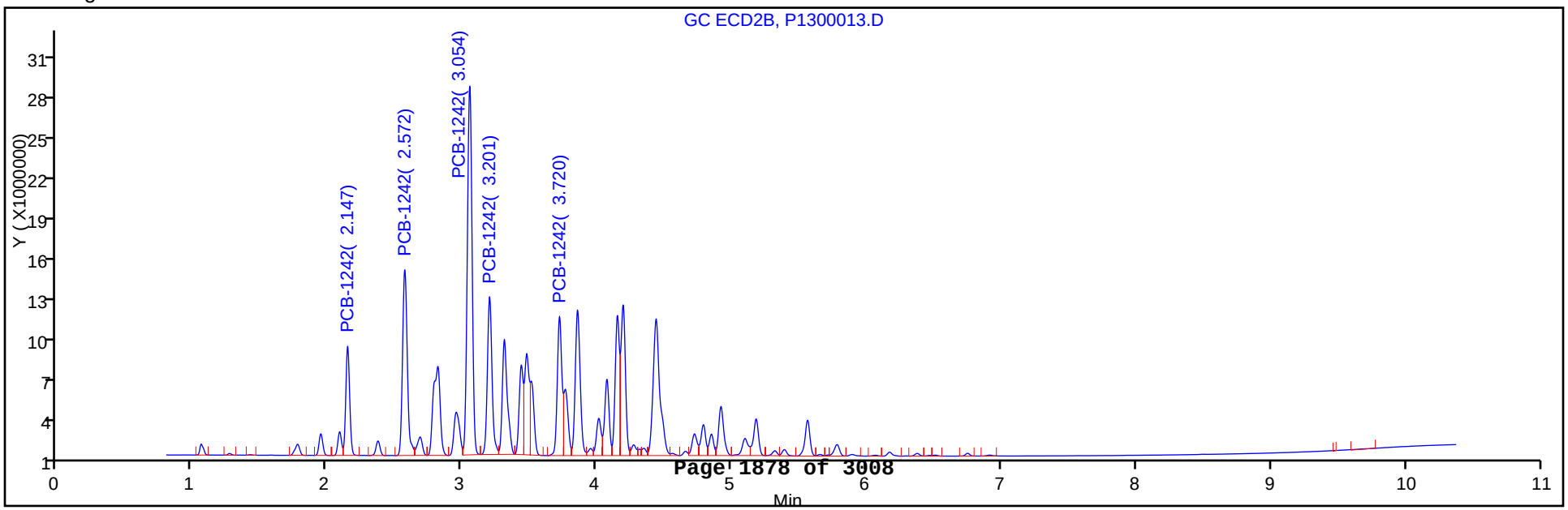
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300013.D

Injection Date:	21-Oct-2012 19:22:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



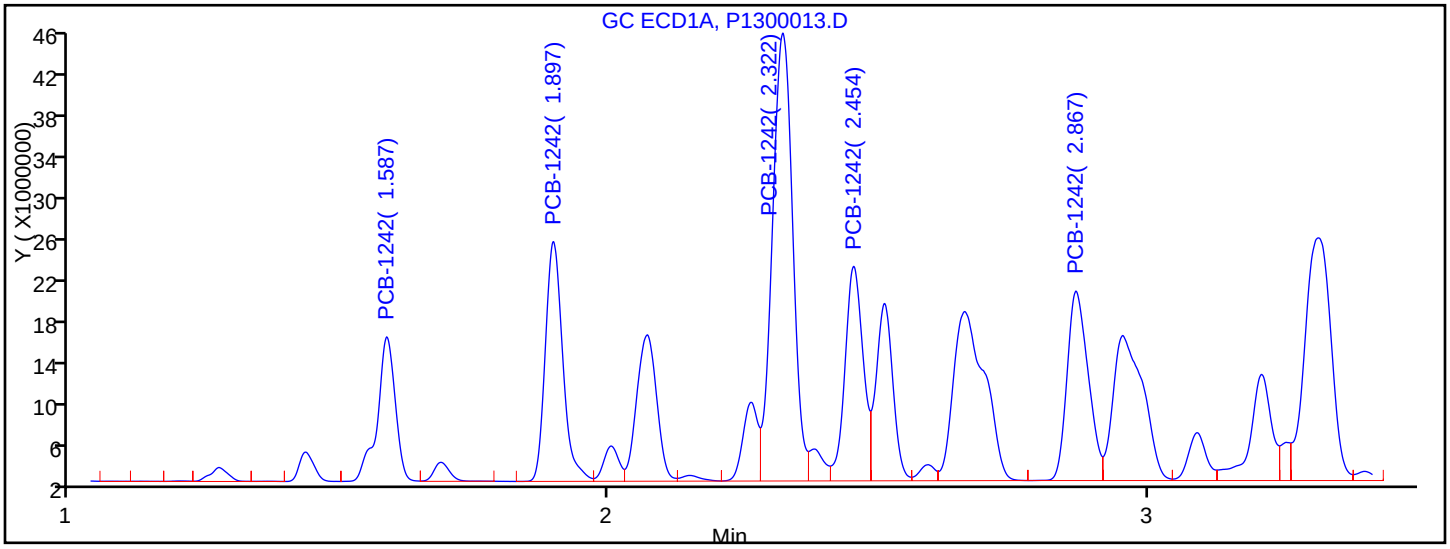
Report Date: 22-Oct-2012 09:18:33 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300013.D

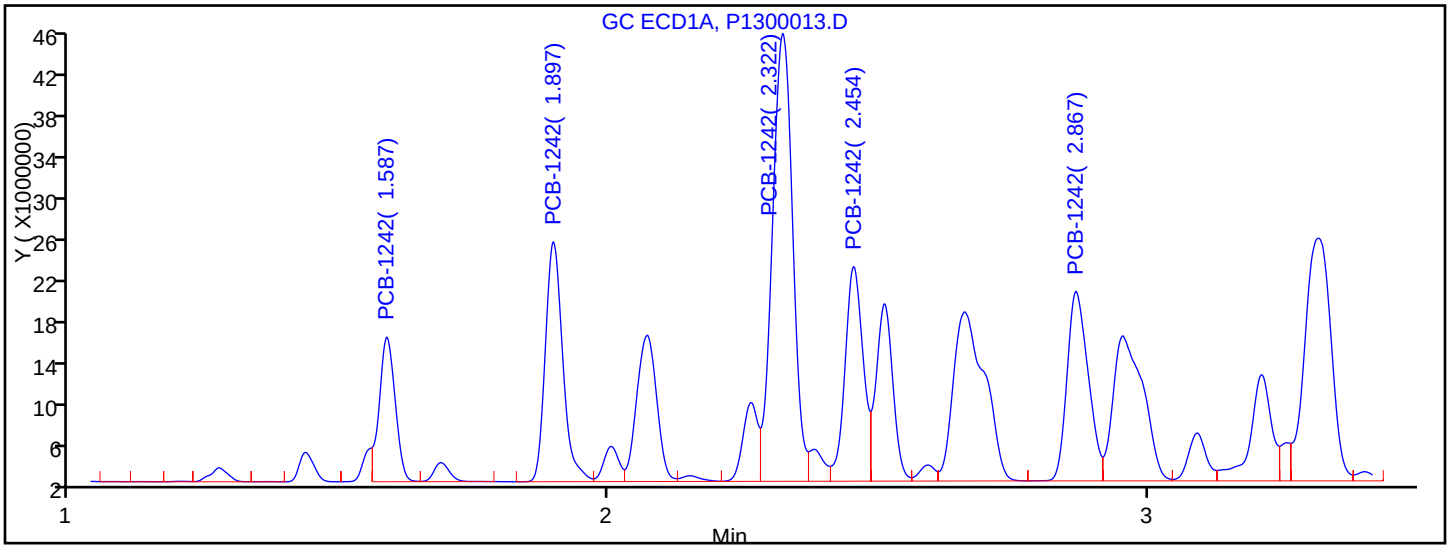
Injection Date:	21-Oct-2012 19:22:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 32103067	M
RT = 1.897	Response = 51775659	
RT = 2.322	Response = 113121650	
RT = 2.454	Response = 48196842	
RT = 2.867	Response = 49628893	



Manual Integration Results

RT = 1.587	Response = 28368197	M
RT = 1.897	Response = 51775659	
RT = 2.322	Response = 113121650	
RT = 2.454	Response = 48196842	
RT = 2.867	Response = 49628893	

Reviewer: hassl, 22-Oct-2012 09:03:10

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300014.D		
Lims ID:	STD2 1242	Client ID:	
Inject. Date:	21-Oct-2012 19:37:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014228-014		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	62068	Lims Sample ID:	14
Sublist:	chrom-PCB13*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:30	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	53563455	1.63		100.0	M
1	2	1.897	1.896	0.001	95321182	1.60	156.0- 206.0	178.0	
1	3	2.324	2.323	0.001	220672422	1.73	355.0- 405.0	412.0	
1	4	2.454	2.454	0.000	90317785	1.74	131.0- 181.0	168.6	
1	5	2.867	2.868	-0.001	93876421	1.67	142.4- 192.4	175.3	
			Average of Peak Amounts =			1.67			
2	6	2.148	2.148	0.000	31139764	1.67		100.0	
2	7	2.572	2.573	-0.001	64758648	1.70	176.6- 236.6	208.0	
2	8	3.053	3.053	0.000	129880002	1.79	356.3- 416.3	417.1	
2	9	3.201	3.202	-0.001	54079715	1.74	135.8- 195.8	173.7	
2	10	3.720	3.719	0.001	47706789	1.70	121.8- 181.8	153.2	
			Average of Peak Amounts =			1.72			
						RPD = 2.64			

QC Flag Legend

Review Flags
M - Manually Integrated

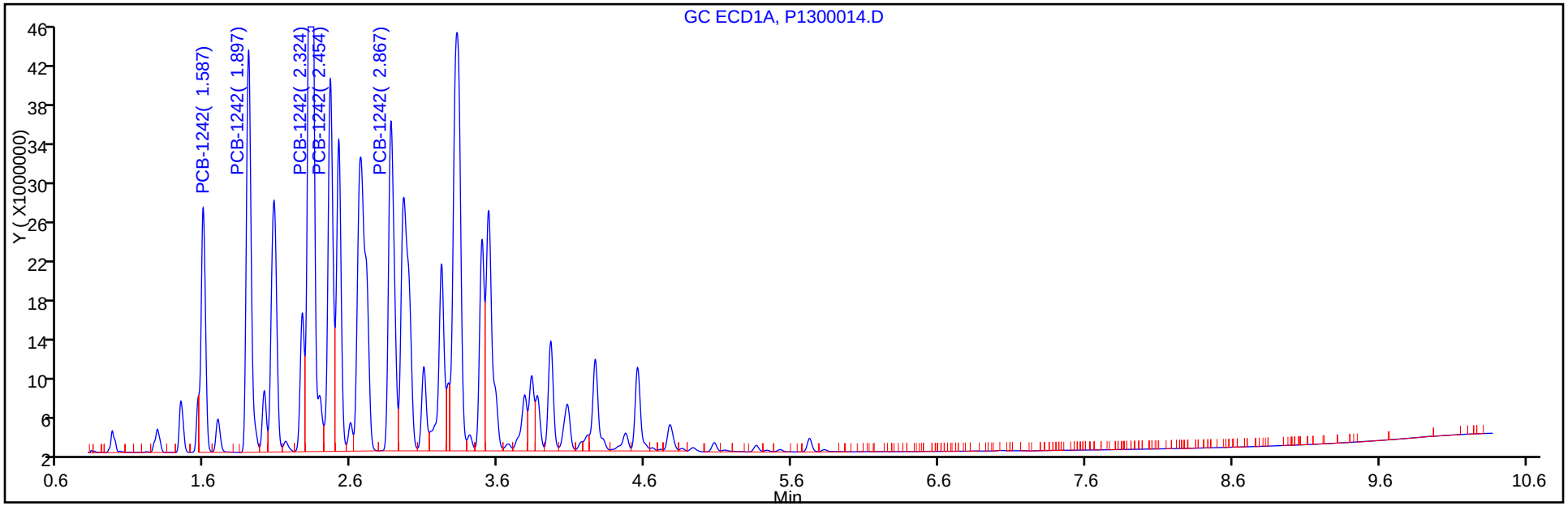
Report Date: 22-Oct-2012 09:18:31 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

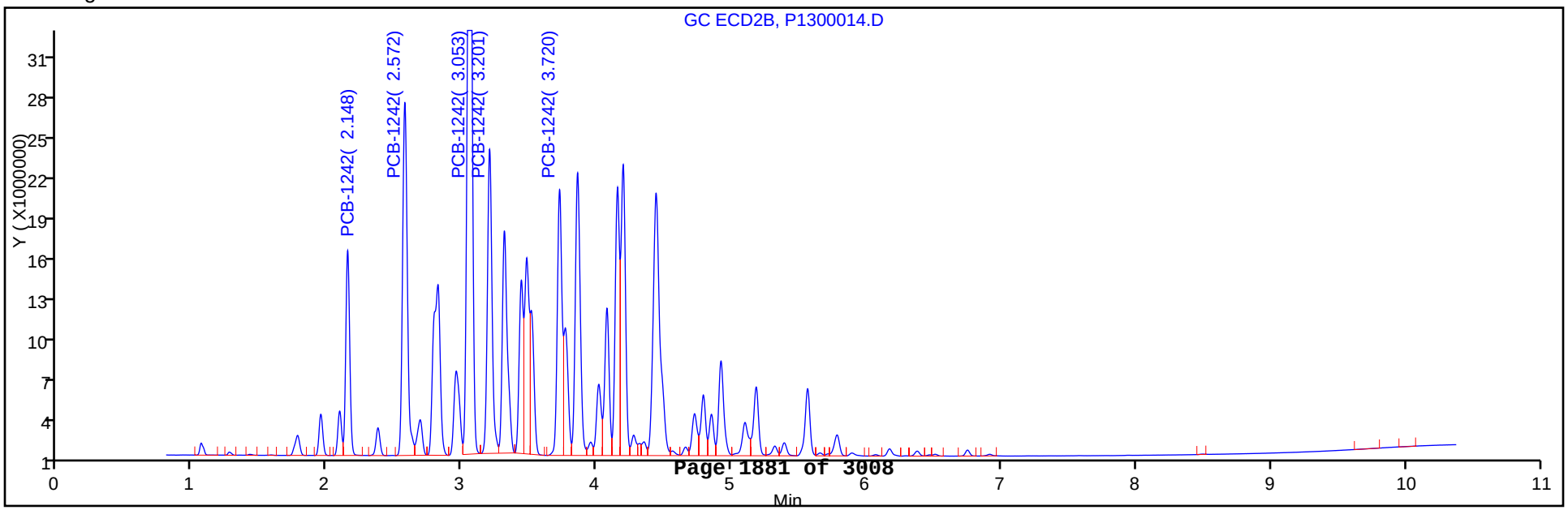
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300014.D

Injection Date:	21-Oct-2012 19:37:32	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



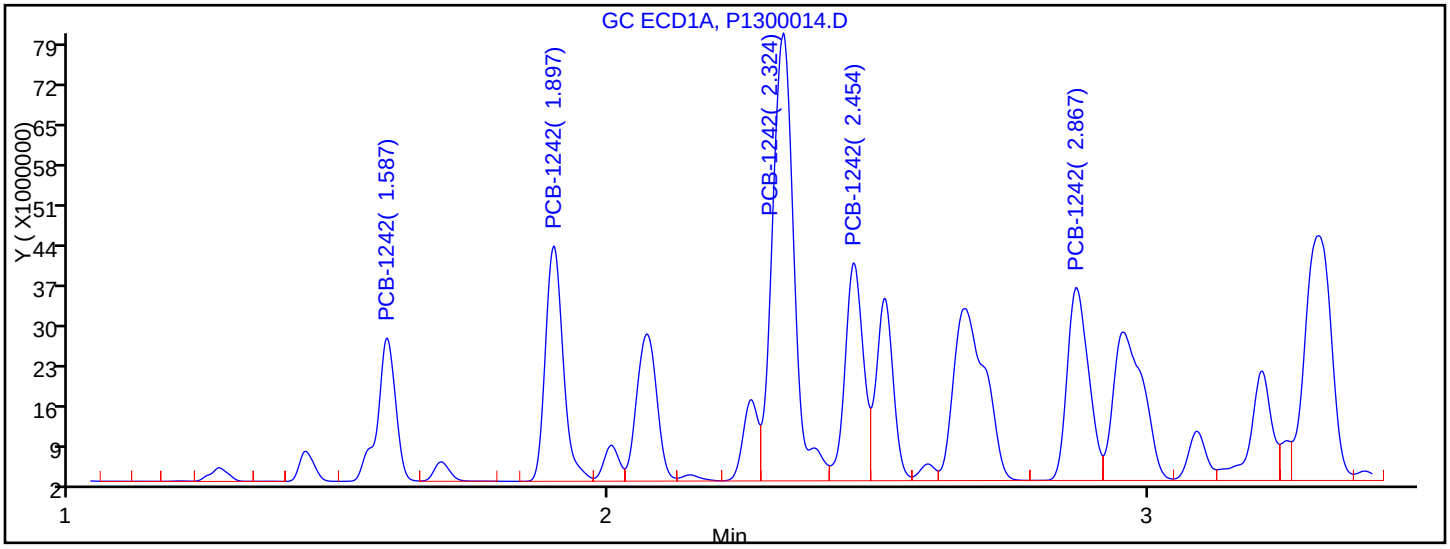
Report Date: 22-Oct-2012 09:18:32 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300014.D

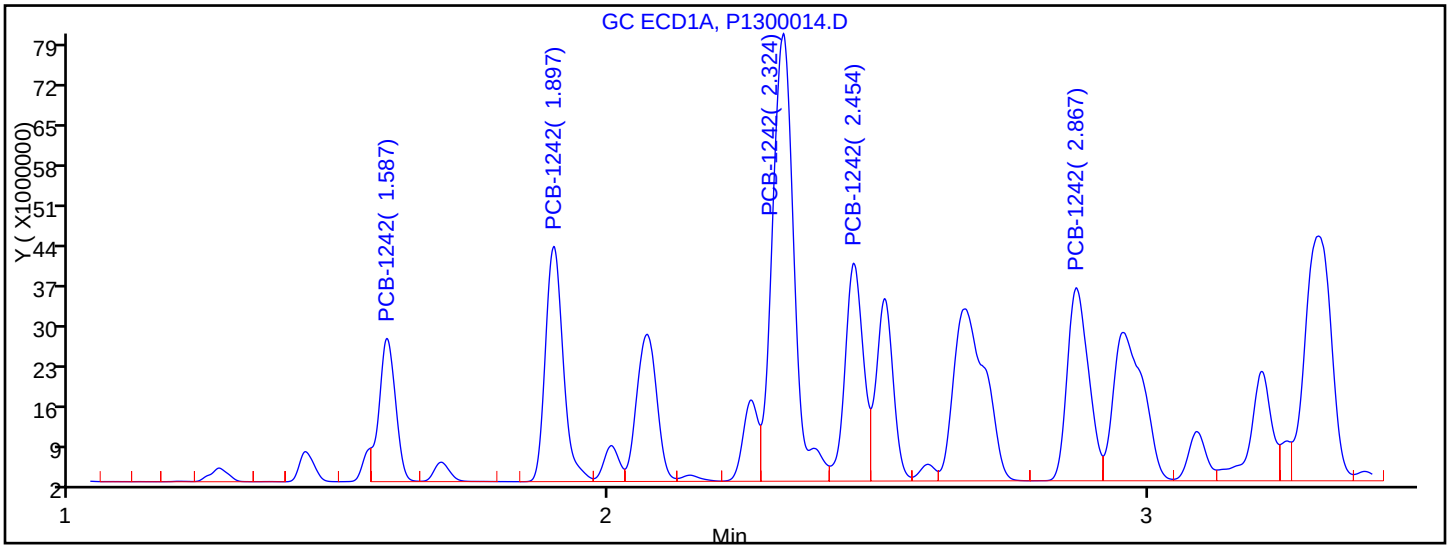
Injection Date:	21-Oct-2012 19:37:32	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 59331050	M
RT = 1.897	Response = 95321182	
RT = 2.324	Response = 220672422	
RT = 2.454	Response = 90317785	
RT = 2.867	Response = 93876421	



Manual Integration Results

RT = 1.587	Response = 53563455	M
RT = 1.897	Response = 95321182	
RT = 2.324	Response = 220672422	
RT = 2.454	Response = 90317785	
RT = 2.867	Response = 93876421	

Reviewer: hassl, 22-Oct-2012 09:02:58

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12019

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	2.148	2.147	2.147	2.148	2.147	2.148					2.098 - 2.198	2.148
PCB-1242 Peak 2	2.573	2.572	2.572	2.572	2.572	2.572					2.523 - 2.623	2.572
PCB-1242 Peak 3	3.053	3.054	3.054	3.054	3.054	3.053					3.003 - 3.103	3.054
PCB-1242 Peak 4	3.202	3.201	3.201	3.201	3.201	3.201					3.152 - 3.252	3.201
PCB-1242 Peak 5	3.719	3.720	3.720	3.720	3.720	3.720					3.669 - 3.769	3.720

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12019

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	22180800 16343628	20897880 15569882	19330160	17586774	Ave		18651520.7				14.0		20.0			
PCB-1242 Peak 2	43602080 34046790	42054090 32379324	39937435	36532668	Ave		38092064.5				12.0		20.0			
PCB-1242 Peak 3	81120960 67395782	77237190 64940001	74680000	70641290	Ave		72669203.8				8.4		20.0			
PCB-1242 Peak 4	36422580 28041523	33790480 27039857	32046525	29660122	Ave		31166847.9				12.0		20.0			
PCB-1242 Peak 5	31794320 24651587	32483420 23853395	29350780	25916714	Ave		28008369.3				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 18:22 Calibration End Date: 10/21/2012 19:37 Calibration ID: 12019

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/9	P1300009.D
Level 2	STD01 240-62068/10	P1300010.D
Level 3	STD02 240-62068/11	P1300011.D
Level 4	STD05 240-62068/12	P1300012.D
Level 5	STD1 240-62068/13	P1300013.D
Level 6	STD2 240-62068/14	P1300014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	1109040 31139764	2089788	3866032	8793387	16343628	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	Ave	2180104 64758648	4205409	7987487	18266334	34046790	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	Ave	4056048 129880002	7723719	14936000	35320645	67395782	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	Ave	1821129 54079715	3379048	6409305	14830061	28041523	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	Ave	1589716 47706789	3248342	5870156	12958357	24651587	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300009.D
Lims ID: STD005 1242 Client ID:
Inject. Date: 21-Oct-2012 18:22:50 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-009
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 62068 Lims Sample ID: 9
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:39 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100	1.587	1.587	0.000	1977212	0.0601		100.0	
1	2	1.896	1.896	0.000	3556776	0.0596	156.0- 206.0	179.9	
1	3	2.323	2.323	0.000	7355902	0.0577	355.0- 405.0	372.0	
1	4	2.454	2.454	0.000	2807756	0.0542	131.0- 181.0	142.0	
1	5	2.868	2.868	0.000	3333595	0.0594	142.4- 192.4	168.6	
			Average of Peak Amounts =			0.0582			
2	6	2.148	2.148	0.000	1109040	0.0595		100.0	
2	7	2.573	2.573	0.000	2180104	0.0572	176.6- 236.6	196.6	
2	8	3.053	3.053	0.000	4056048	0.0558	356.3- 416.3	365.7	
2	9	3.202	3.202	0.000	1821129	0.0584	135.8- 195.8	164.2	
2	10	3.719	3.719	0.000	1589716	0.0568	121.8- 181.8	143.3	
			Average of Peak Amounts =			0.0575			
						RPD = 1.13			

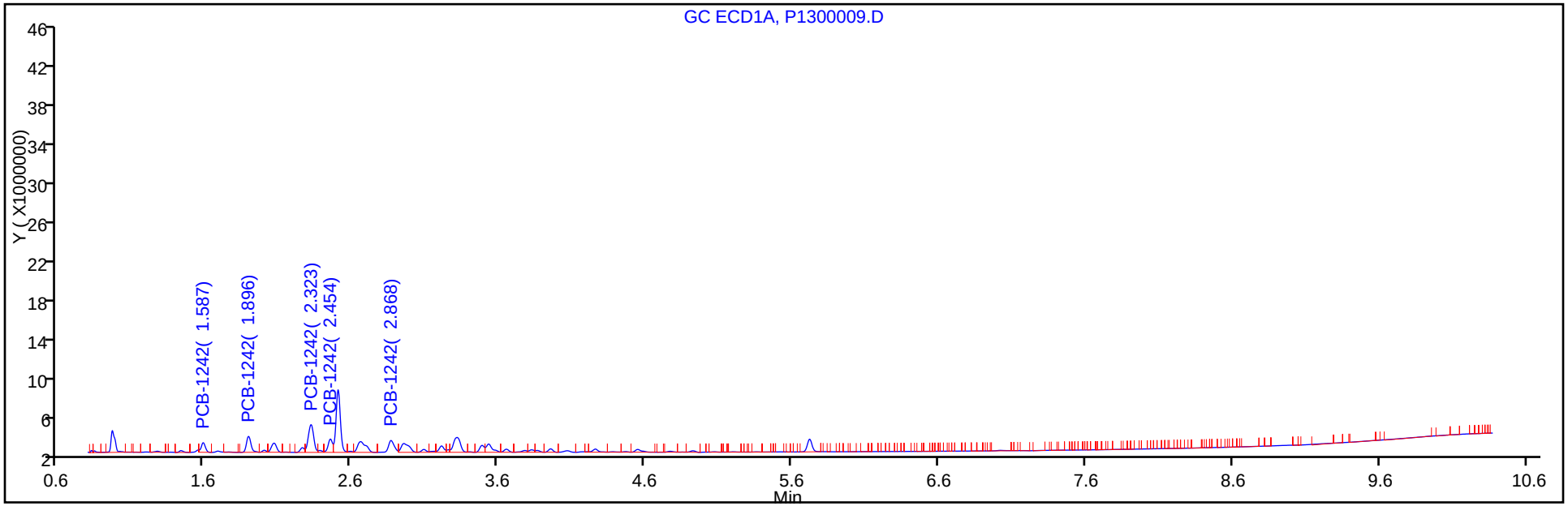
Report Date: 22-Oct-2012 09:18:39 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

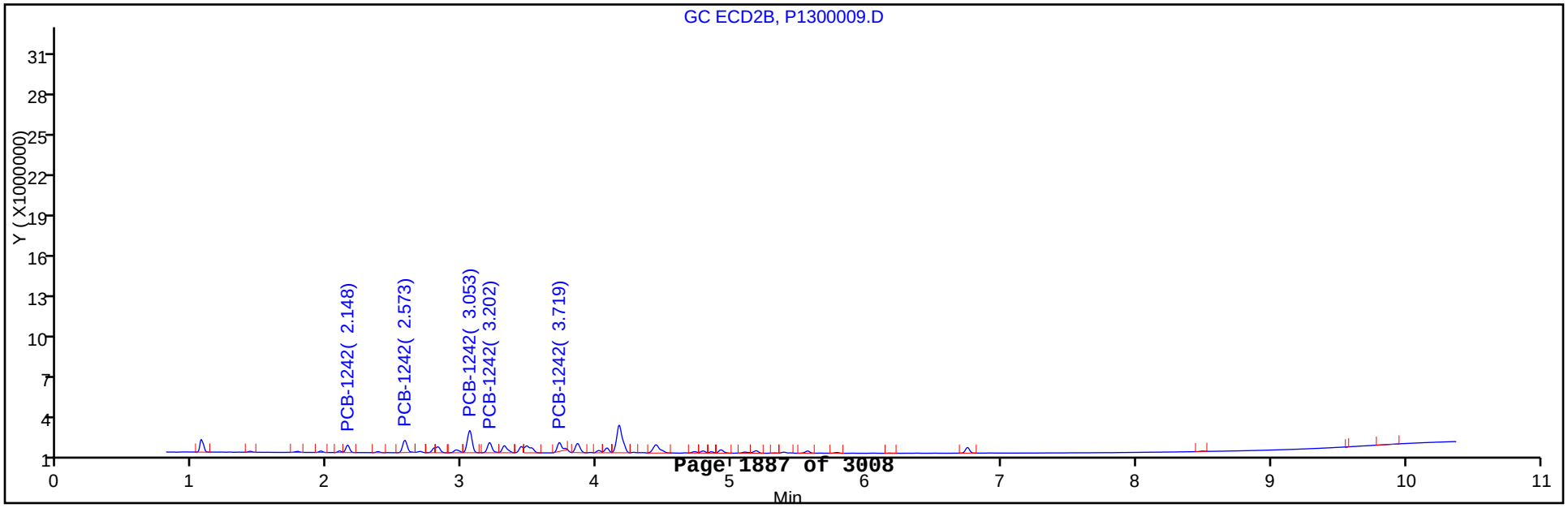
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300009.D

Injection Date:	21-Oct-2012 18:22:50	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	9
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300010.D
Lims ID: STD01 1242 Client ID:
Inject. Date: 21-Oct-2012 18:37:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-010
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 62068 Lims Sample ID: 10
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:37 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.586	1.587	-0.001	3729715	0.1133		100.0	M
1	2	1.896	1.896	0.000	6751601	0.1131	156.0- 206.0	181.0	
1	3	2.323	2.323	0.000	13963705	0.1096	355.0- 405.0	374.4	
1	4	2.454	2.454	0.000	5603693	0.1081	131.0- 181.0	150.2	
1	5	2.866	2.868	-0.002	6187713	0.1102	142.4- 192.4	165.9	
			Average of Peak Amounts =			0.1109			
2	6	2.147	2.148	-0.001	2089788	0.1120		100.0	
2	7	2.572	2.573	-0.001	4205409	0.1104	176.6- 236.6	201.2	
2	8	3.054	3.053	0.001	7723719	0.1063	356.3- 416.3	369.6	
2	9	3.201	3.202	-0.001	3379048	0.1084	135.8- 195.8	161.7	
2	10	3.720	3.719	0.001	3248342	0.1160	121.8- 181.8	155.4	
			Average of Peak Amounts =			0.1106			
						RPD = 0.23			

QC Flag Legend

Review Flags
M - Manually Integrated

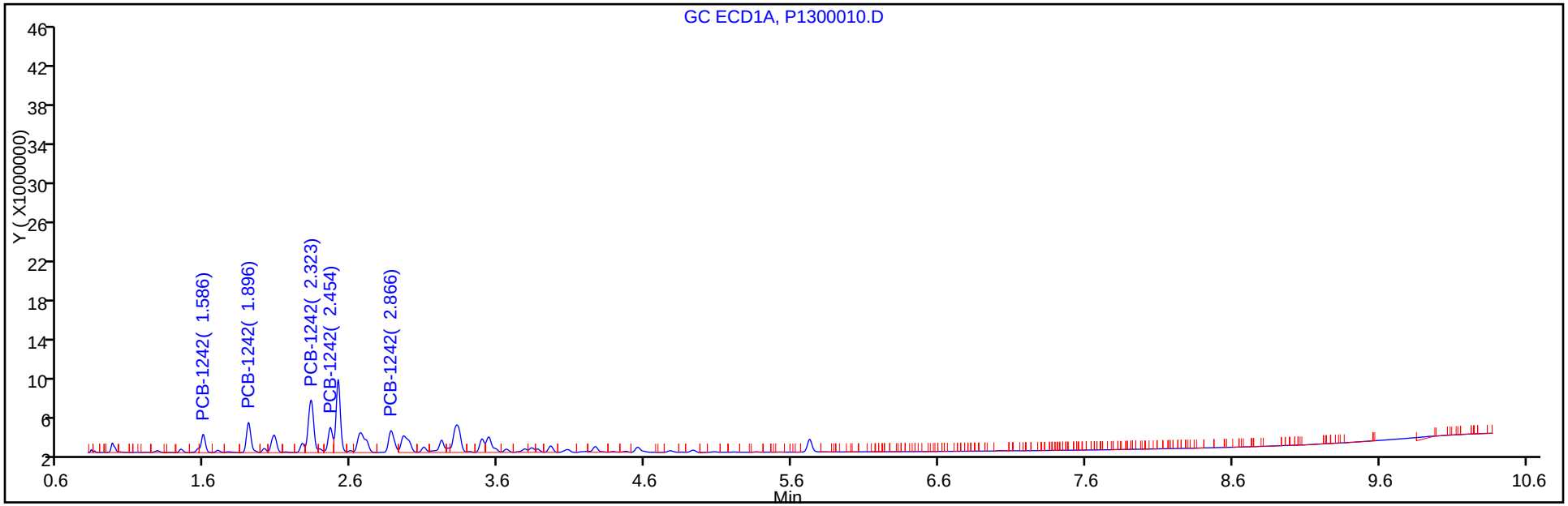
Report Date: 22-Oct-2012 09:18:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

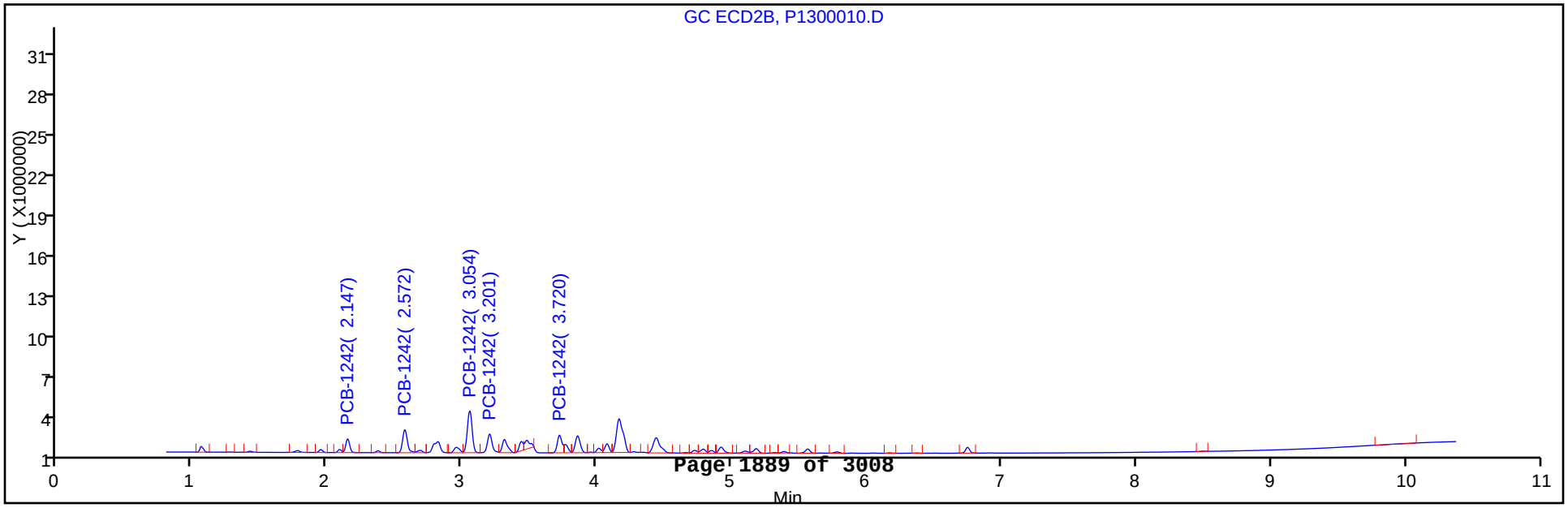
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300010.D

Injection Date:	21-Oct-2012 18:37:51	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	10
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300011.D
Lims ID: STD02 1242 Client ID:
Inject. Date: 21-Oct-2012 18:52:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-011
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 62068 Lims Sample ID: 11
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:35 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	6948481	0.2111		100.0	M
1	2	1.895	1.896	-0.001	12579810	0.2108	156.0- 206.0	181.0	
1	3	2.322	2.323	-0.001	26406854	0.2073	355.0- 405.0	380.0	
1	4	2.454	2.454	0.000	10842083	0.2092	131.0- 181.0	156.0	
1	5	2.867	2.868	-0.001	11629407	0.2071	142.4- 192.4	167.4	
			Average of Peak Amounts =			0.2091			
2	6	2.147	2.148	-0.001	3866032	0.2073		100.0	
2	7	2.572	2.573	-0.001	7987487	0.2097	176.6- 236.6	206.6	
2	8	3.054	3.053	0.001	14936000	0.2055	356.3- 416.3	386.3	
2	9	3.201	3.202	-0.001	6409305	0.2056	135.8- 195.8	165.8	
2	10	3.720	3.719	0.001	5870156	0.2096	121.8- 181.8	151.8	
			Average of Peak Amounts =			0.2075			
						RPD = 0.75			

QC Flag Legend

Review Flags
M - Manually Integrated

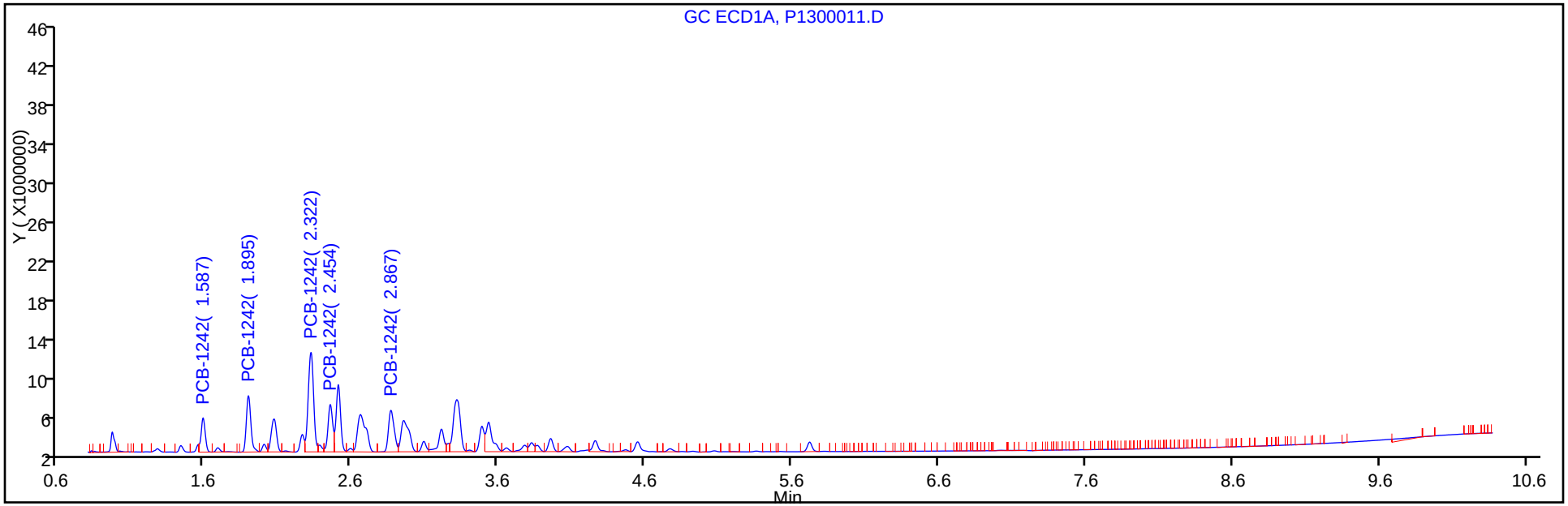
Report Date: 22-Oct-2012 09:18:36 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

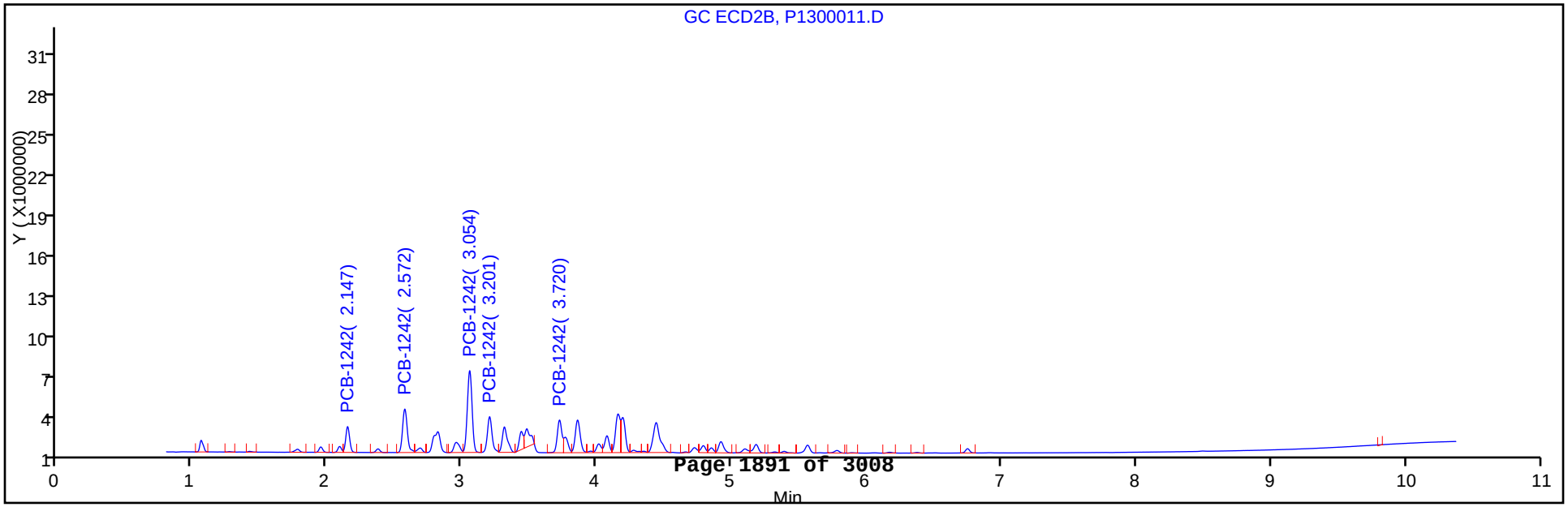
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300011.D

Injection Date:	21-Oct-2012 18:52:48	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300012.D
Lims ID: STD05 1242 Client ID:
Inject. Date: 21-Oct-2012 19:07:42 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-012
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 62068 Lims Sample ID: 12
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:34 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.588	1.587	0.001	15357117	0.4667		100.0	M
1	2	1.896	1.896	0.000	28524939	0.4780	156.0- 206.0	185.7	
1	3	2.323	2.323	0.000	61060859	0.4793	355.0- 405.0	397.6	
1	4	2.454	2.454	0.000	25615809	0.4942	131.0- 181.0	166.8	
1	5	2.867	2.868	-0.001	26850579	0.4781	142.4- 192.4	174.8	
			Average of Peak Amounts =			0.4793			
2	6	2.148	2.148	0.000	8793387	0.4715		100.0	
2	7	2.572	2.573	-0.001	18266334	0.4795	176.6- 236.6	207.7	
2	8	3.054	3.053	0.001	35320645	0.4860	356.3- 416.3	401.7	
2	9	3.201	3.202	-0.001	14830061	0.4758	135.8- 195.8	168.7	
2	10	3.720	3.719	0.001	12958357	0.4627	121.8- 181.8	147.4	
			Average of Peak Amounts =			0.4751			
						RPD = 0.87			

QC Flag Legend

Review Flags
M - Manually Integrated

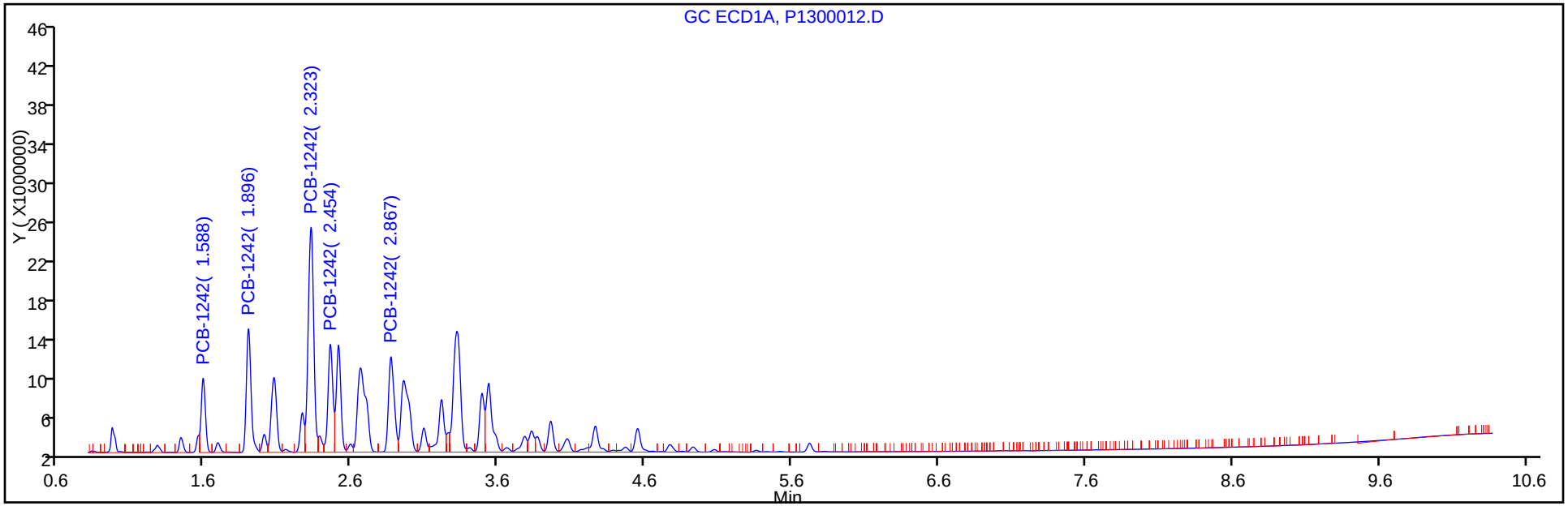
Report Date: 22-Oct-2012 09:18:35 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

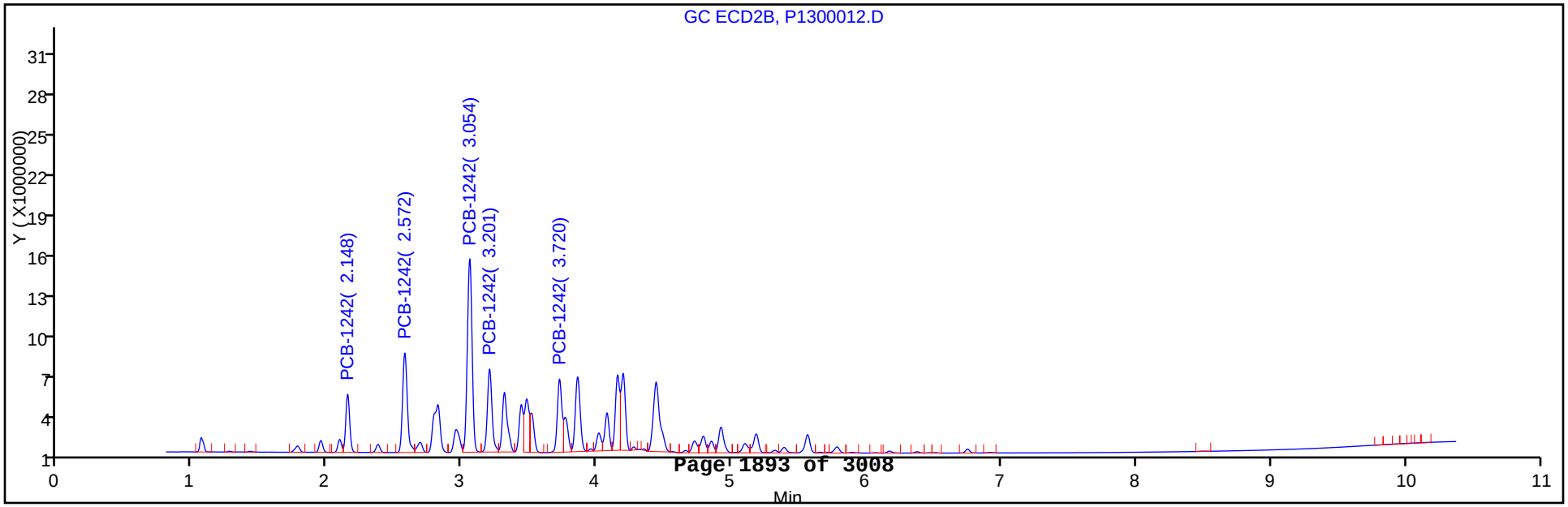
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300012.D

Injection Date:	21-Oct-2012 19:07:42	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	12
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300013.D
Lims ID: STD1 1242 Client ID:
Inject. Date: 21-Oct-2012 19:22:36 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-013
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 62068 Lims Sample ID: 13
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:32 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:03:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	28368197	0.8620		100.0	M
1	2	1.897	1.896	0.001	51775659	0.8677	156.0- 206.0	182.5	
1	3	2.322	2.323	-0.001	113121650	0.8880	355.0- 405.0	398.8	
1	4	2.454	2.454	0.000	48196842	0.9299	131.0- 181.0	169.9	
1	5	2.867	2.868	-0.001	49628893	0.8837	142.4- 192.4	174.9	
			Average of Peak Amounts =			0.8862			
2	6	2.147	2.148	-0.001	16343628	0.8763		100.0	
2	7	2.572	2.573	-0.001	34046790	0.8938	176.6- 236.6	208.3	
2	8	3.054	3.053	0.001	67395782	0.9274	356.3- 416.3	412.4	
2	9	3.201	3.202	-0.001	28041523	0.8997	135.8- 195.8	171.6	
2	10	3.720	3.719	0.001	24651587	0.8802	121.8- 181.8	150.8	
			Average of Peak Amounts =			0.8955			
						RPD = 1.04			

QC Flag Legend

Review Flags
M - Manually Integrated

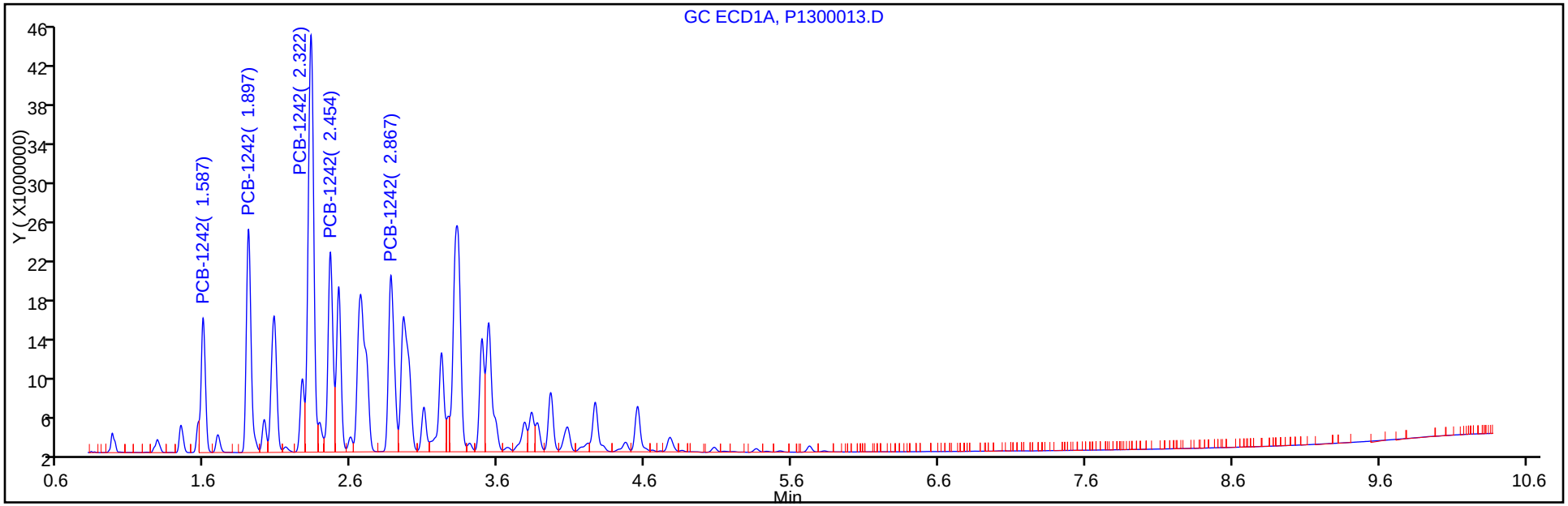
Report Date: 22-Oct-2012 09:18:33 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

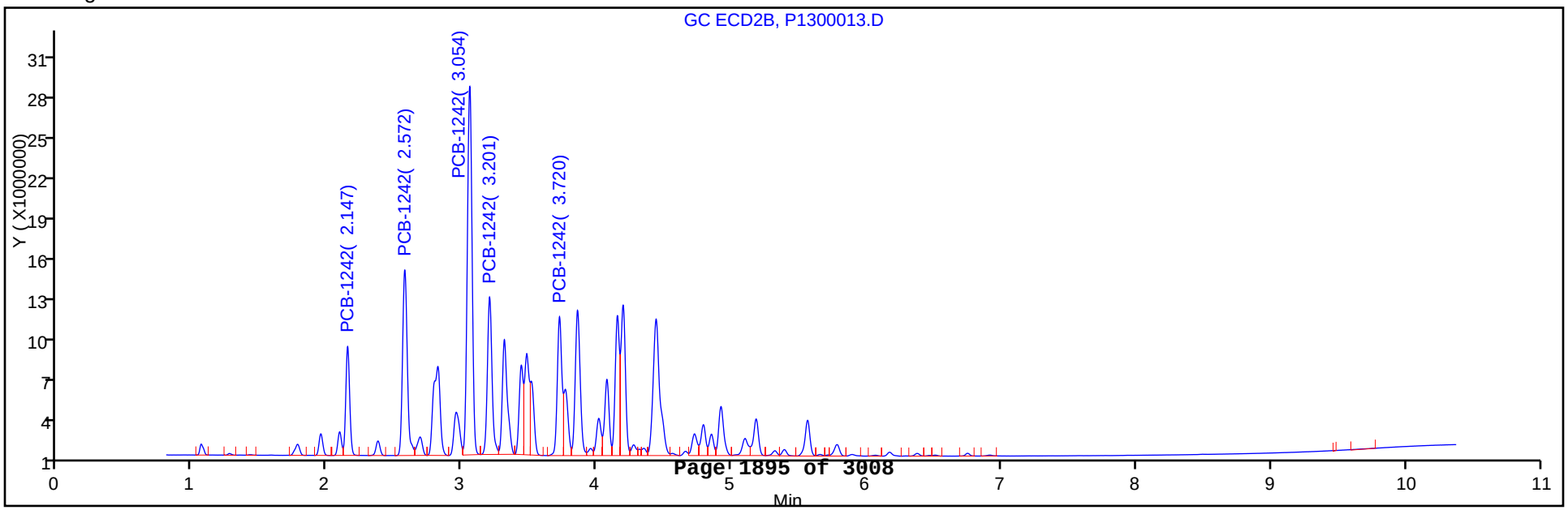
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300013.D

Injection Date:	21-Oct-2012 19:22:36	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	13
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300014.D
Lims ID: STD2 1242 Client ID:
Inject. Date: 21-Oct-2012 19:37:32 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014228-014
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 62068 Lims Sample ID: 14
Sublist: chrom-PCB13*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:30 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:02:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.587	1.587	0.000	53563455	1.63		100.0	M
1	2	1.897	1.896	0.001	95321182	1.60	156.0- 206.0	178.0	
1	3	2.324	2.323	0.001	220672422	1.73	355.0- 405.0	412.0	
1	4	2.454	2.454	0.000	90317785	1.74	131.0- 181.0	168.6	
1	5	2.867	2.868	-0.001	93876421	1.67	142.4- 192.4	175.3	
			Average of Peak Amounts =			1.67			
2	6	2.148	2.148	0.000	31139764	1.67		100.0	
2	7	2.572	2.573	-0.001	64758648	1.70	176.6- 236.6	208.0	
2	8	3.053	3.053	0.000	129880002	1.79	356.3- 416.3	417.1	
2	9	3.201	3.202	-0.001	54079715	1.74	135.8- 195.8	173.7	
2	10	3.720	3.719	0.001	47706789	1.70	121.8- 181.8	153.2	
			Average of Peak Amounts =			1.72			
						RPD = 2.64			

QC Flag Legend

Review Flags
M - Manually Integrated

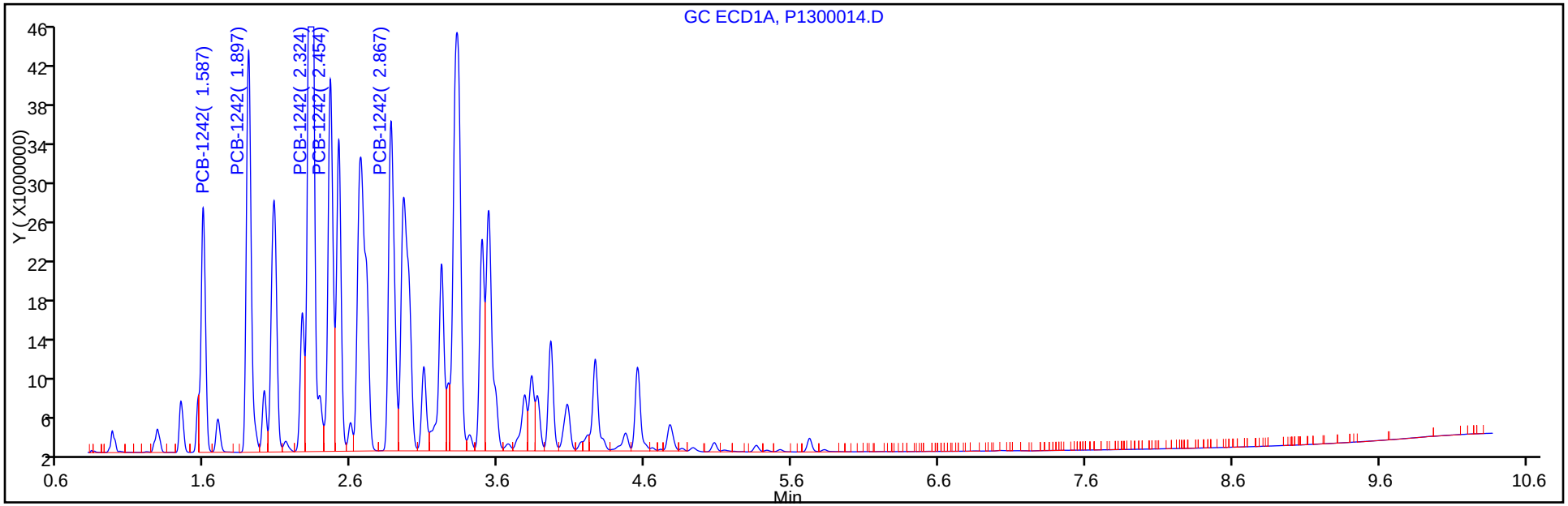
Report Date: 22-Oct-2012 09:18:32 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

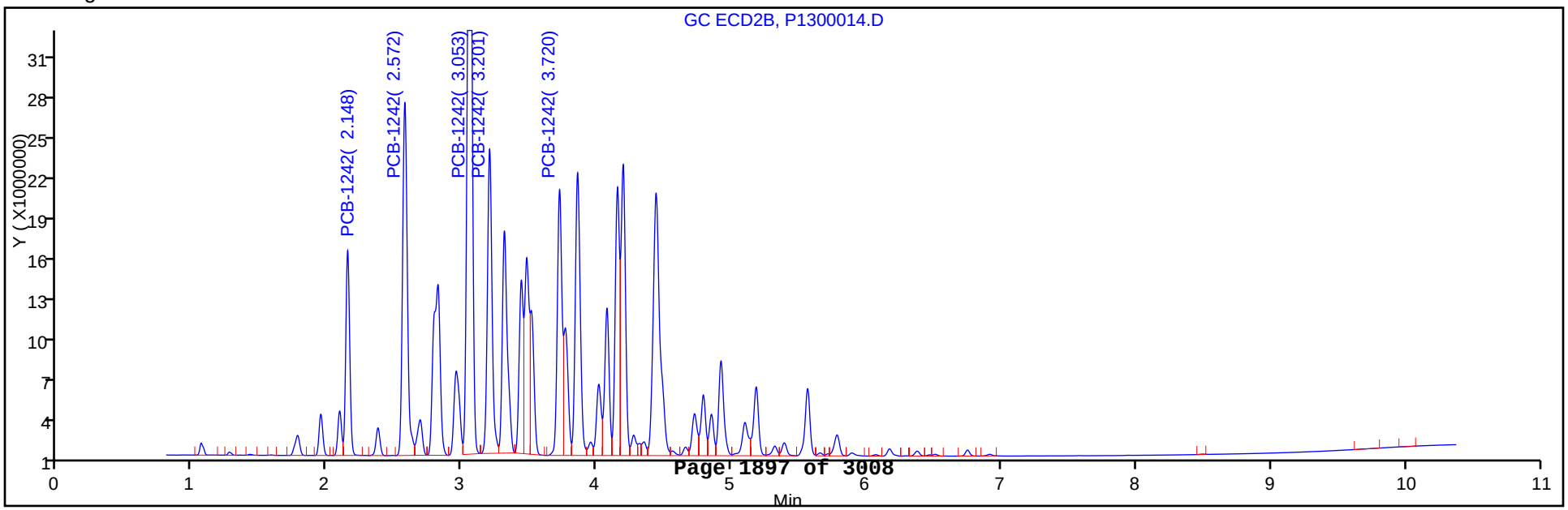
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300014.D

Injection Date:	21-Oct-2012 19:37:32	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	14
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12024

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	1.895	1.894	1.895	1.895	1.896	1.898					1.845 - 1.945	1.896
PCB-1248 Peak 2	2.319	2.320	2.320	2.320	2.321	2.323					2.269 - 2.369	2.321
PCB-1248 Peak 3	2.866	2.866	2.865	2.865	2.867	2.867					2.816 - 2.916	2.866
PCB-1248 Peak 4	3.489	3.488	3.488	3.488	3.489	3.491					3.439 - 3.539	3.489
PCB-1248 Peak 5	3.955	3.955	3.956	3.955	3.956	3.956					3.905 - 4.005	3.956

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12024

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	35627040 29135388	33536860 24068449	31456580	28340240	Ave		30360759.5				14.0		20.0			
PCB-1248 Peak 2	97099940 84632106	92102790 70970344	87394195	80875788	Ave		85512527.2				11.0		20.0			
PCB-1248 Peak 3	104899280 89853545	99647370 74499130	94783450	86648002	Ave		91721796.1				12.0		20.0			
PCB-1248 Peak 4	57588960 51679145	55149460 44783754	54397350	49975298	Ave		52262327.8				8.7		20.0			
PCB-1248 Peak 5	49819180 46162000	47528620 39172010	47538980	45014092	Ave		45872480.3				8.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12024

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	1781352 48136898	3353686	6291316	14170120	29135388	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	Ave	4854997 141940688	9210279	17478839	40437894	84632106	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	Ave	5244964 148998259	9964737	18956690	43324001	89853545	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	Ave	2879448 89567507	5514946	10879470	24987649	51679145	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	Ave	2490959 78344020	4752862	9507796	22507046	46162000	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300015.D		
Lims ID:	STD005 1248	Client ID:	
Inject. Date:	21-Oct-2012 19:52:26	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014228-015		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	62068	Lims Sample ID:	15
Sublist:	chrom-PCB13*sub9		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:29	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	1781352	0.0587		100.0	
1	2	2.319	2.319	0.000	4854997	0.0568	252.8- 302.8	272.5	
1	3	2.866	2.866	0.000	5244964	0.0572	276.3- 326.3	294.4	
1	4	3.489	3.489	0.000	2879448	0.0551	147.9- 197.9	161.6	
1	5	3.955	3.955	0.000	2490959	0.0543	126.1- 176.1	139.8	
			Average of Peak Amounts =			0.0564			
2	6	2.570	2.570	0.000	1117228	0.0583		100.0	
2	7	3.053	3.053	0.000	2703681	0.0549	225.1- 285.1	242.0	
2	8	3.719	3.719	0.000	3462312	0.0573	285.5- 345.5	309.9	
2	9	3.853	3.853	0.000	2732609	0.0550	227.4- 287.4	244.6	
2	10	4.916	4.916	0.000	1636979	0.0548	126.6- 186.6	146.5	
			Average of Peak Amounts =			0.0560			
						RPD = 0.65			

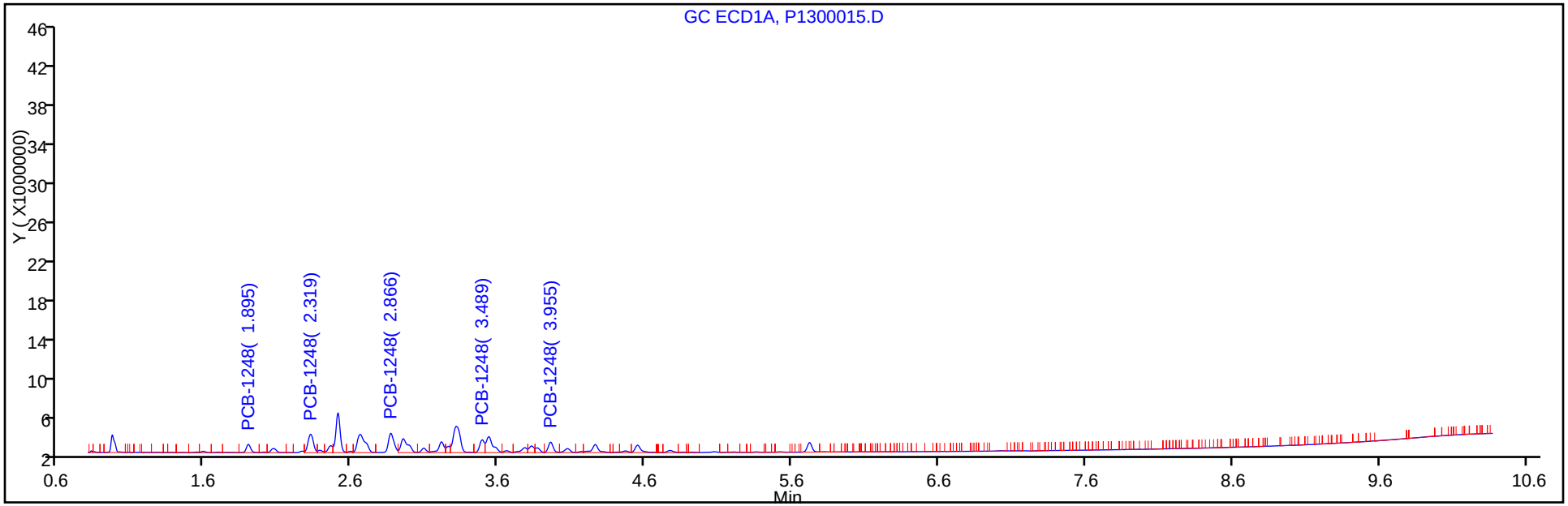
Report Date: 22-Oct-2012 09:18:30 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

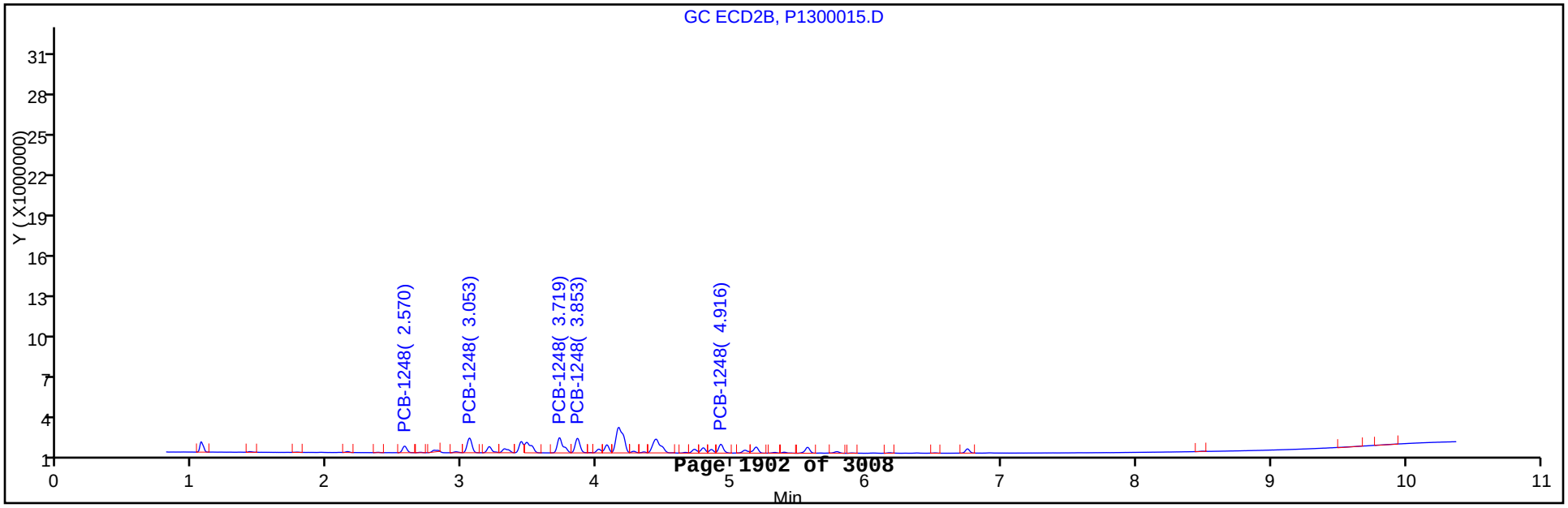
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300015.D

Injection Date:	21-Oct-2012 19:52:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300016.D
Lims ID: STD01 1248 Client ID:
Inject. Date: 21-Oct-2012 20:07:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-016
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 62068 Lims Sample ID: 16
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:28 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.894	1.895	-0.001	3353686	0.1105		100.0	
1	2	2.320	2.319	0.001	9210279	0.1077	252.8- 302.8	274.6	
1	3	2.866	2.866	0.000	9964737	0.1086	276.3- 326.3	297.1	
1	4	3.488	3.489	-0.001	5514946	0.1055	147.9- 197.9	164.4	
1	5	3.955	3.955	0.000	4752862	0.1036	126.1- 176.1	141.7	
			Average of Peak Amounts =			0.1072			
2	6	2.569	2.570	-0.001	2082982	0.1087		100.0	
2	7	3.052	3.053	-0.001	5171437	0.1050	225.1- 285.1	248.3	
2	8	3.720	3.719	0.001	6444459	0.1066	285.5- 345.5	309.4	
2	9	3.853	3.853	0.000	5225099	0.1051	227.4- 287.4	250.8	
2	10	4.918	4.916	0.002	3136148	0.1050	126.6- 186.6	150.6	
			Average of Peak Amounts =			0.1061			
						RPD = 1.06			

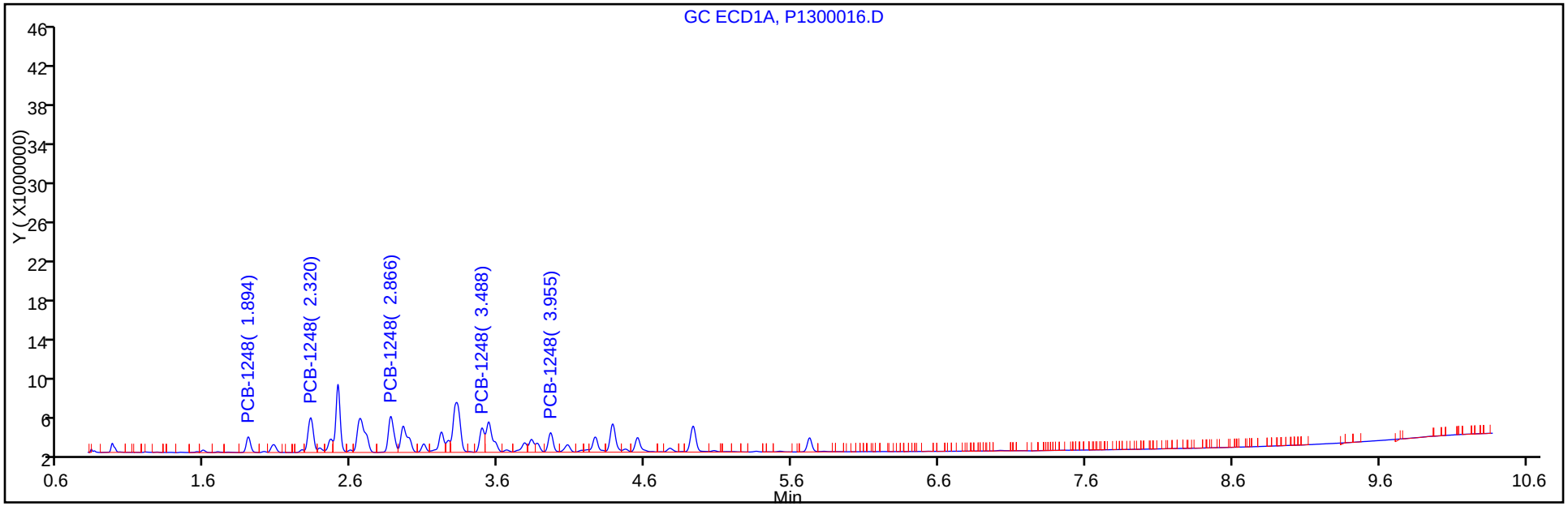
Report Date: 22-Oct-2012 09:18:28 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

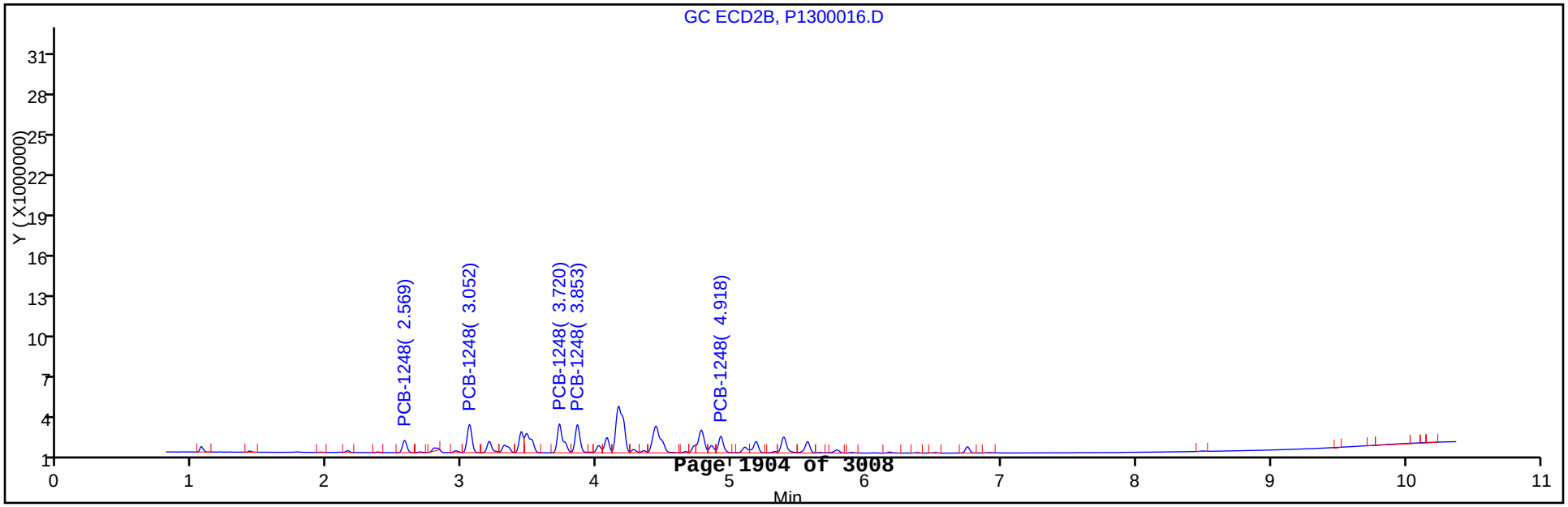
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300016.D

Injection Date:	21-Oct-2012 20:07:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300017.D
Lims ID: STD02 1248 Client ID:
Inject. Date: 21-Oct-2012 20:22:16 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-017
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 62068 Lims Sample ID: 17
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:26 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	6291316	0.2072		100.0	
1	2	2.320	2.319	0.001	17478839	0.2044	252.8- 302.8	277.8	
1	3	2.865	2.866	-0.001	18956690	0.2067	276.3- 326.3	301.3	
1	4	3.488	3.489	-0.001	10879470	0.2082	147.9- 197.9	172.9	
1	5	3.956	3.955	0.001	9507796	0.2073	126.1- 176.1	151.1	
			Average of Peak Amounts =			0.2067			
2	6	2.570	2.570	0.000	3893609	0.2032		100.0	
2	7	3.052	3.053	-0.001	9933230	0.2016	225.1- 285.1	255.1	
2	8	3.721	3.719	0.002	12282545	0.2031	285.5- 345.5	315.5	
2	9	3.853	3.853	0.000	10020517	0.2016	227.4- 287.4	257.4	
2	10	4.917	4.916	0.001	6098245	0.2041	126.6- 186.6	156.6	
			Average of Peak Amounts =			0.2027			
						RPD = 1.97			

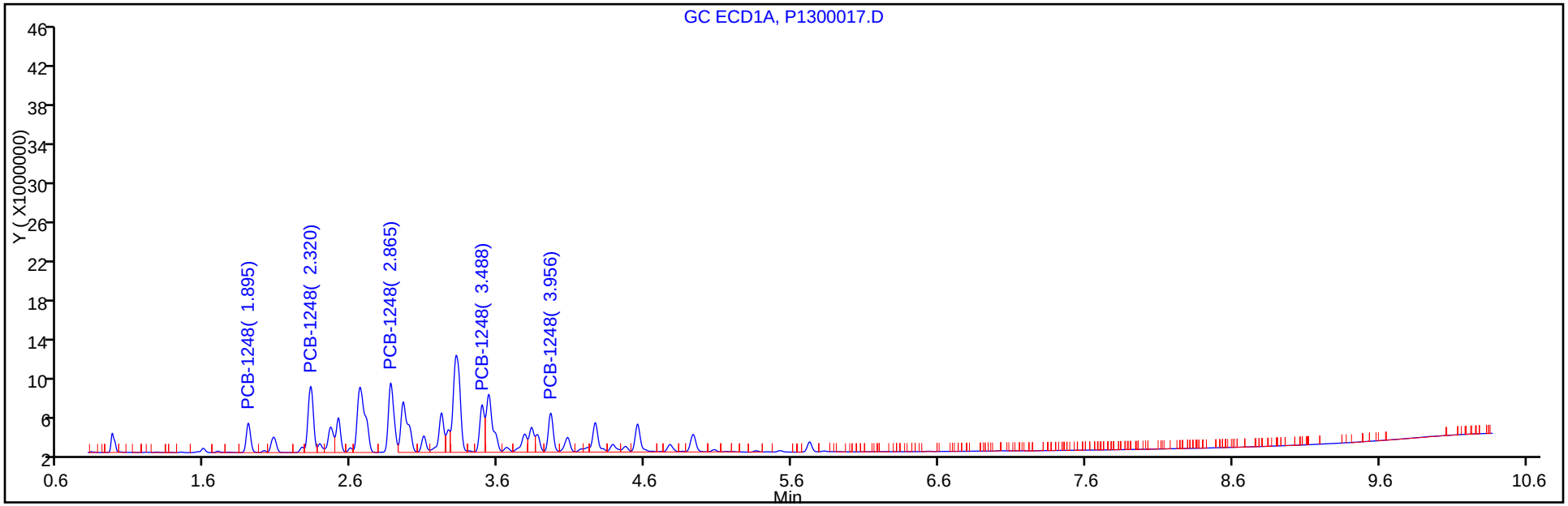
Report Date: 22-Oct-2012 09:18:27 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

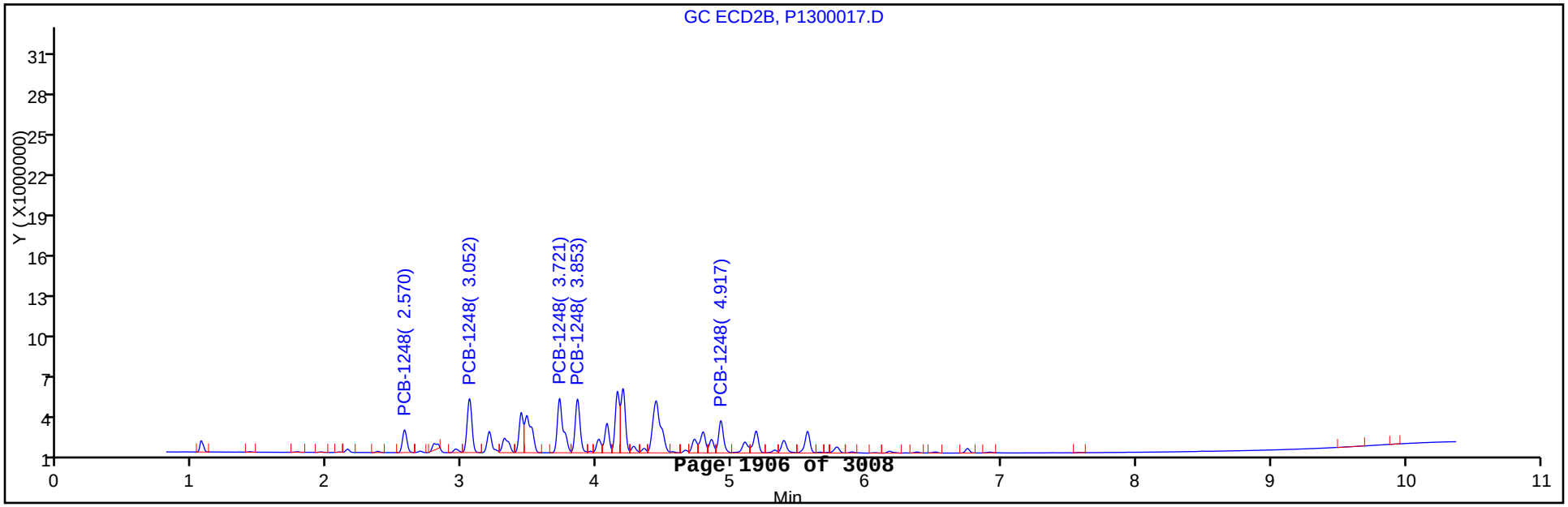
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300017.D

Injection Date:	21-Oct-2012 20:22:16	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300018.D
Lims ID: STD05 1248 Client ID:
Inject. Date: 21-Oct-2012 20:37:10 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-018
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 62068 Lims Sample ID: 18
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:25 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	14170120	0.4667		100.0	
1	2	2.320	2.319	0.001	40437894	0.4729	252.8- 302.8	285.4	
1	3	2.865	2.866	-0.001	43324001	0.4723	276.3- 326.3	305.7	
1	4	3.488	3.489	-0.001	24987649	0.4781	147.9- 197.9	176.3	
1	5	3.955	3.955	0.000	22507046	0.4906	126.1- 176.1	158.8	
			Average of Peak Amounts =			0.4761			
2	6	2.570	2.570	0.000	8854766	0.4621		100.0	
2	7	3.052	3.053	-0.001	23340190	0.4738	225.1- 285.1	263.6	
2	8	3.720	3.719	0.001	28238370	0.4670	285.5- 345.5	318.9	
2	9	3.854	3.853	0.001	23599597	0.4748	227.4- 287.4	266.5	
2	10	4.918	4.916	0.002	14111828	0.4723	126.6- 186.6	159.4	
			Average of Peak Amounts =			0.4700			
						RPD = 1.31			

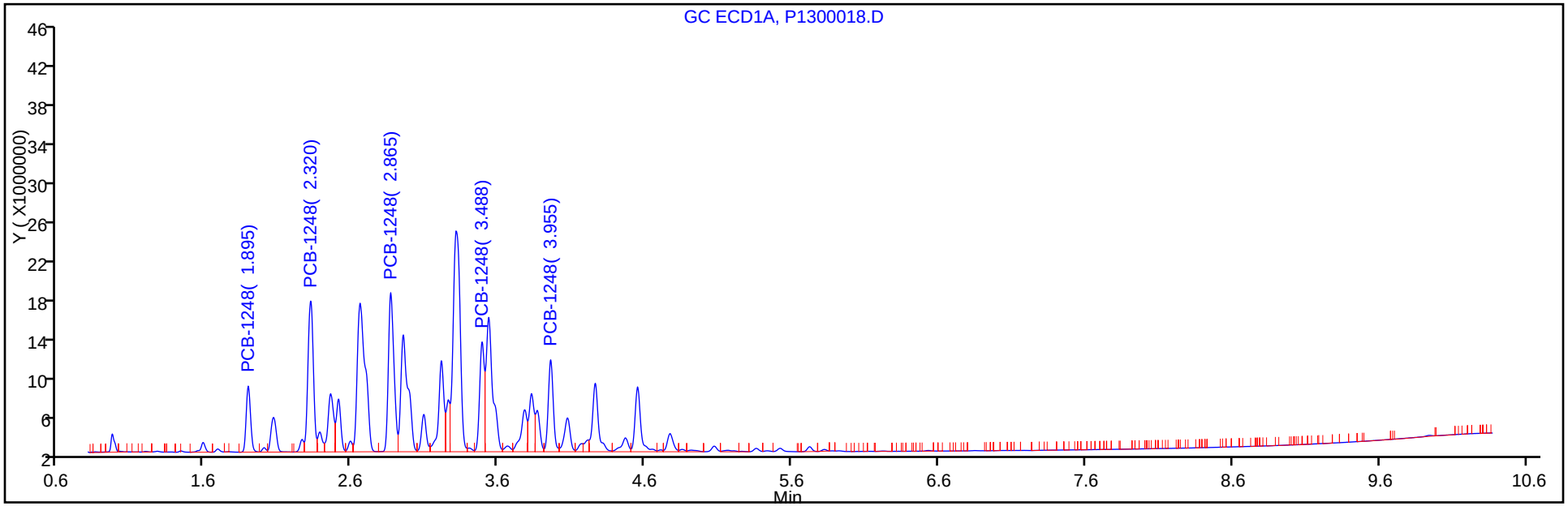
Report Date: 22-Oct-2012 09:18:25 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

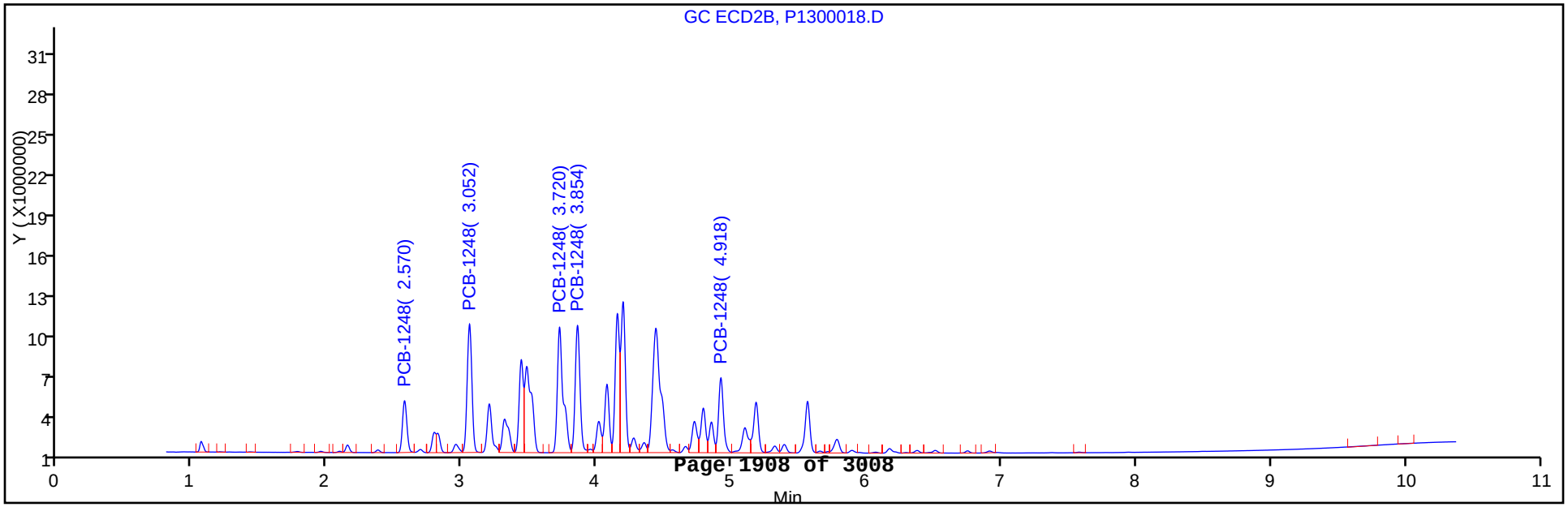
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300018.D

Injection Date:	21-Oct-2012 20:37:10	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300019.D		
Lims ID:	STD1 1248	Client ID:	
Inject. Date:	21-Oct-2012 20:52:10	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014228-019		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	62068	Lims Sample ID:	19
Sublist:	chrom-PCB13*sub9		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:23	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.896	1.895	0.001	29135388	0.9596		100.0	
1	2	2.321	2.319	0.002	84632106	0.9897	252.8- 302.8	290.5	
1	3	2.867	2.866	0.001	89853545	0.9796	276.3- 326.3	308.4	
1	4	3.489	3.489	0.000	51679145	0.9888	147.9- 197.9	177.4	
1	5	3.956	3.955	0.001	46162000	1.01	126.1- 176.1	158.4	
			Average of Peak Amounts =			0.9848			
2	6	2.570	2.570	0.000	18764890	0.9792		100.0	
2	7	3.053	3.053	0.000	50161615	1.02	225.1- 285.1	267.3	
2	8	3.721	3.719	0.002	59878771	0.99	285.5- 345.5	319.1	
2	9	3.854	3.853	0.001	50492707	1.02	227.4- 287.4	269.1	
2	10	4.917	4.916	0.001	30146724	1.01	126.6- 186.6	160.7	
			Average of Peak Amounts =			1.00			
						RPD = 1.77			

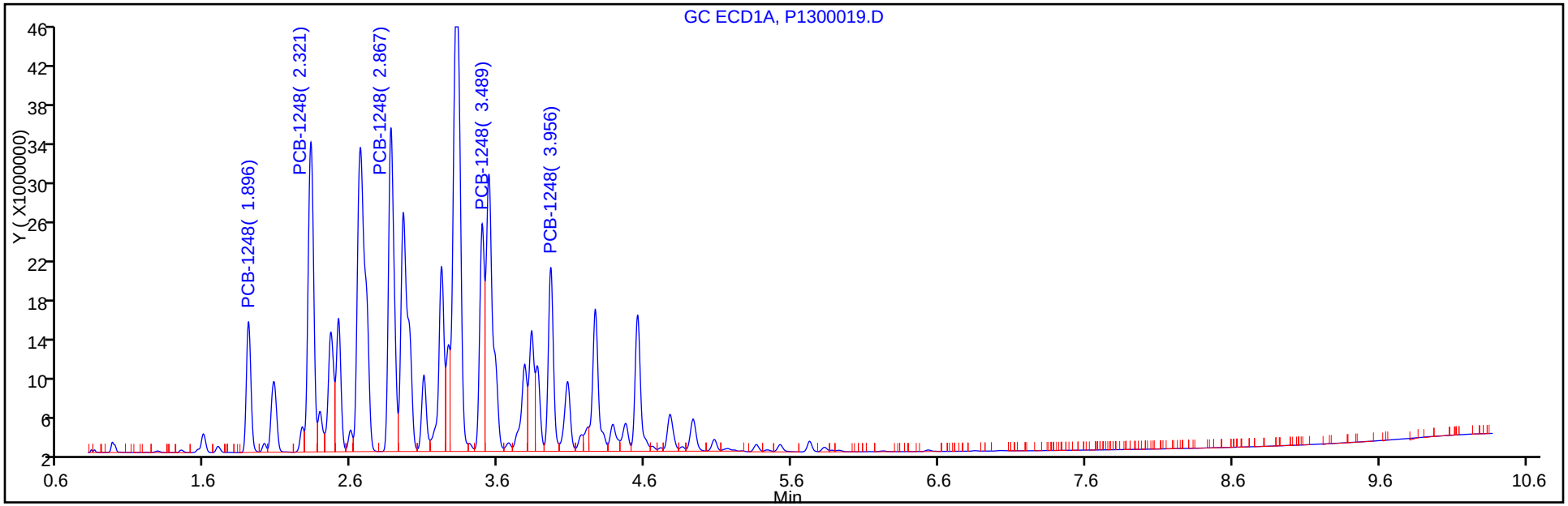
Report Date: 22-Oct-2012 09:18:24 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

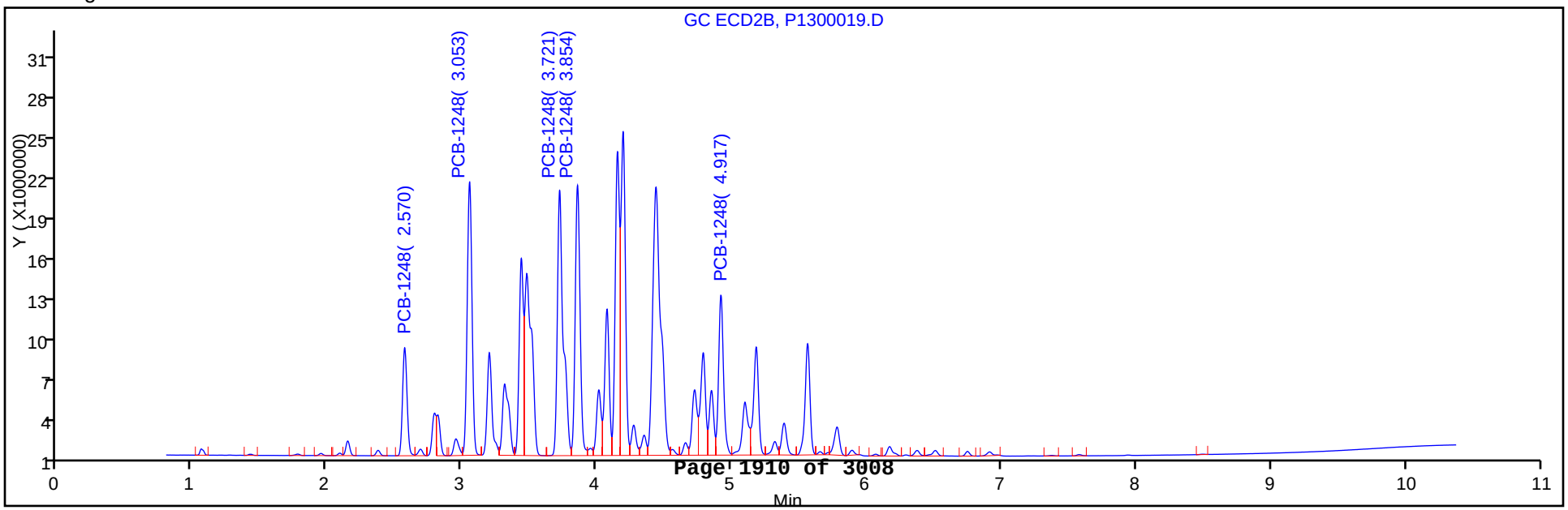
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300019.D

Injection Date:	21-Oct-2012 20:52:10	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300020.D
Lims ID: STD2 1248 Client ID:
Inject. Date: 21-Oct-2012 21:07:05 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014228-020
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 62068 Lims Sample ID: 20
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:21 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.898	1.895	0.003	48136898	1.59		100.0	
1	2	2.323	2.319	0.004	141940688	1.66	252.8- 302.8	294.9	
1	3	2.867	2.866	0.001	148998259	1.62	276.3- 326.3	309.5	
1	4	3.491	3.489	0.002	89567507	1.71	147.9- 197.9	186.1	
1	5	3.956	3.955	0.001	78344020	1.71	126.1- 176.1	162.8	
			Average of Peak Amounts =			1.66			
2	6	2.572	2.570	0.002	31723638	1.66		100.0	
2	7	3.053	3.053	0.000	86579334	1.76	225.1- 285.1	272.9	
2	8	3.721	3.719	0.002	102769872	1.70	285.5- 345.5	324.0	
2	9	3.854	3.853	0.001	87113870	1.75	227.4- 287.4	274.6	
2	10	4.919	4.916	0.003	52631215	1.76	126.6- 186.6	165.9	
			Average of Peak Amounts =			1.73			
						RPD = 3.96			

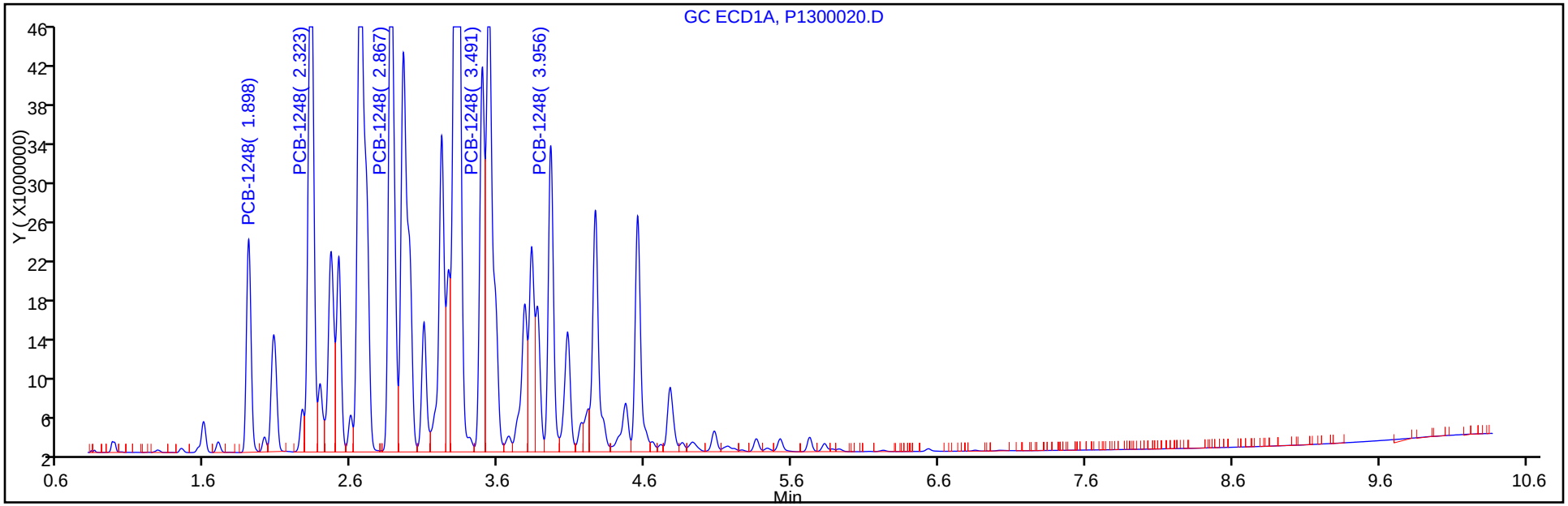
Report Date: 22-Oct-2012 09:18:22 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

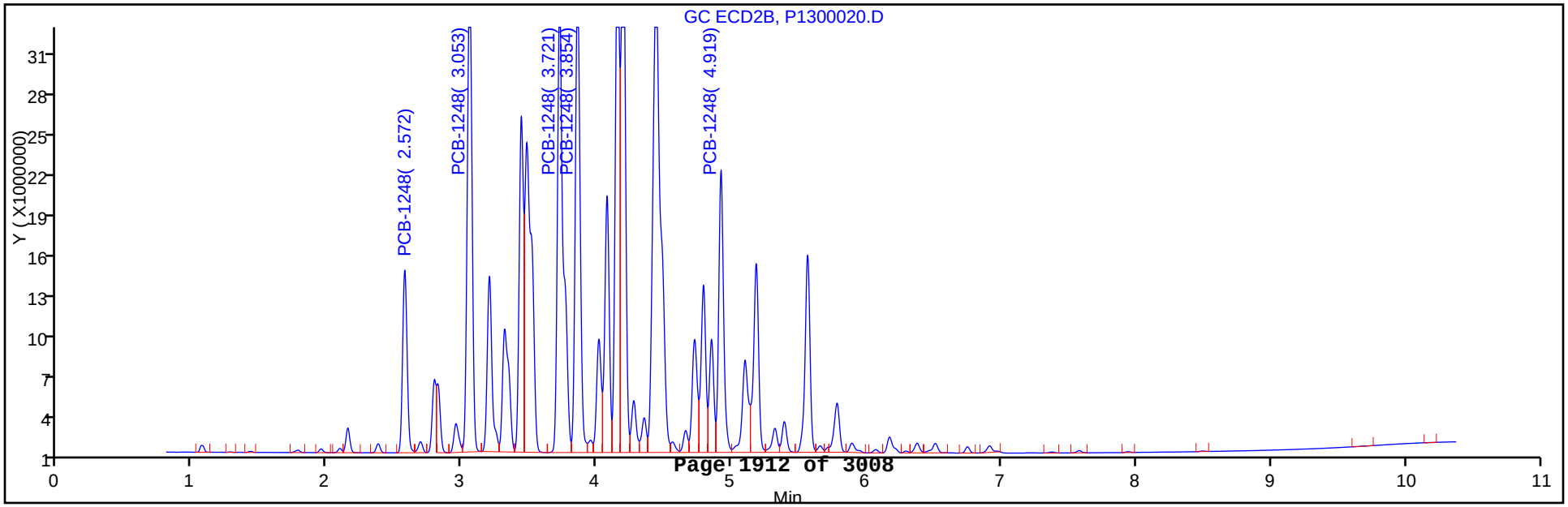
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300020.D

Injection Date:	21-Oct-2012 21:07:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12025

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	2.570	2.569	2.570	2.570	2.570	2.572					2.520 - 2.620	2.570
PCB-1248 Peak 2	3.053	3.052	3.052	3.052	3.053	3.053					3.003 - 3.103	3.053
PCB-1248 Peak 3	3.719	3.720	3.721	3.720	3.721	3.721					3.669 - 3.769	3.720
PCB-1248 Peak 4	3.853	3.853	3.853	3.854	3.854	3.854					3.803 - 3.903	3.854
PCB-1248 Peak 5	4.916	4.918	4.917	4.918	4.917	4.919					4.866 - 4.966	4.918

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12025

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	22344560 18764890	20829820 15861819	19468045	17709532	Ave		19163111.0				12.0		20.0			
PCB-1248 Peak 2	54073620 50161615	51714370 43289667	49666150	46680380	Ave		49264300.3				7.7		20.0			
PCB-1248 Peak 3	69246240 59878771	64444590 51384936	61412725	56476740	Ave		60474000.3				10.0		20.0			
PCB-1248 Peak 4	54652180 50492707	52250990 43556935	50102585	47199194	Ave		49709098.5				7.8		20.0			
PCB-1248 Peak 5	32739580 30146724	31361480 26315608	30491225	28223656	Ave		29879712.1				7.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 19:52 Calibration End Date: 10/21/2012 21:07 Calibration ID: 12025

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/15	P1300015.D
Level 2	STD01 240-62068/16	P1300016.D
Level 3	STD02 240-62068/17	P1300017.D
Level 4	STD05 240-62068/18	P1300018.D
Level 5	STD1 240-62068/19	P1300019.D
Level 6	STD2 240-62068/20	P1300020.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	1117228 31723638	2082982	3893609	8854766	18764890	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	Ave	2703681 86579334	5171437	9933230	23340190	50161615	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	Ave	3462312 102769872	6444459	12282545	28238370	59878771	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	Ave	2732609 87113870	5225099	10020517	23599597	50492707	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	Ave	1636979 52631215	3136148	6098245	14111828	30146724	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300015.D
Lims ID: STD005 1248 Client ID:
Inject. Date: 21-Oct-2012 19:52:26 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-015
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 62068 Lims Sample ID: 15
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:29 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	1781352	0.0587		100.0	
1	2	2.319	2.319	0.000	4854997	0.0568	252.8- 302.8	272.5	
1	3	2.866	2.866	0.000	5244964	0.0572	276.3- 326.3	294.4	
1	4	3.489	3.489	0.000	2879448	0.0551	147.9- 197.9	161.6	
1	5	3.955	3.955	0.000	2490959	0.0543	126.1- 176.1	139.8	
			Average of Peak Amounts =			0.0564			
2	6	2.570	2.570	0.000	1117228	0.0583		100.0	
2	7	3.053	3.053	0.000	2703681	0.0549	225.1- 285.1	242.0	
2	8	3.719	3.719	0.000	3462312	0.0573	285.5- 345.5	309.9	
2	9	3.853	3.853	0.000	2732609	0.0550	227.4- 287.4	244.6	
2	10	4.916	4.916	0.000	1636979	0.0548	126.6- 186.6	146.5	
			Average of Peak Amounts =			0.0560			
						RPD = 0.65			

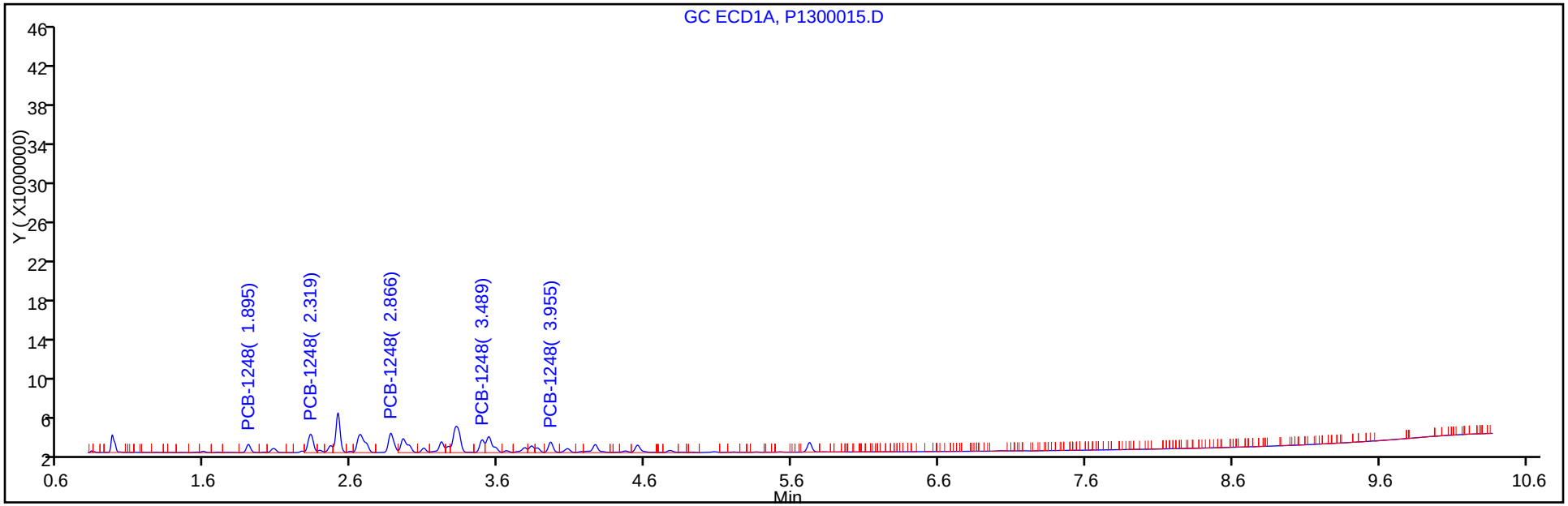
Report Date: 22-Oct-2012 09:18:30 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

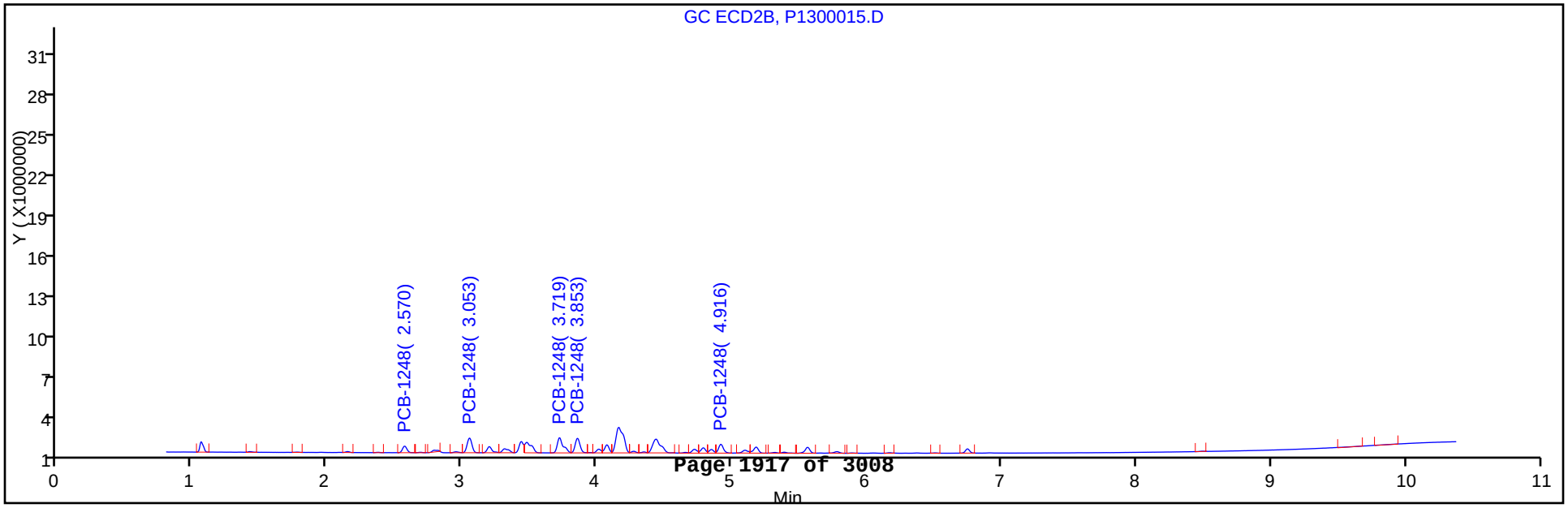
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300015.D

Injection Date:	21-Oct-2012 19:52:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	15
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300016.D
Lims ID: STD01 1248 Client ID:
Inject. Date: 21-Oct-2012 20:07:20 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-016
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 62068 Lims Sample ID: 16
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:28 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.894	1.895	-0.001	3353686	0.1105		100.0	
1	2	2.320	2.319	0.001	9210279	0.1077	252.8- 302.8	274.6	
1	3	2.866	2.866	0.000	9964737	0.1086	276.3- 326.3	297.1	
1	4	3.488	3.489	-0.001	5514946	0.1055	147.9- 197.9	164.4	
1	5	3.955	3.955	0.000	4752862	0.1036	126.1- 176.1	141.7	
			Average of Peak Amounts =			0.1072			
2	6	2.569	2.570	-0.001	2082982	0.1087		100.0	
2	7	3.052	3.053	-0.001	5171437	0.1050	225.1- 285.1	248.3	
2	8	3.720	3.719	0.001	6444459	0.1066	285.5- 345.5	309.4	
2	9	3.853	3.853	0.000	5225099	0.1051	227.4- 287.4	250.8	
2	10	4.918	4.916	0.002	3136148	0.1050	126.6- 186.6	150.6	
			Average of Peak Amounts =			0.1061			
						RPD = 1.06			

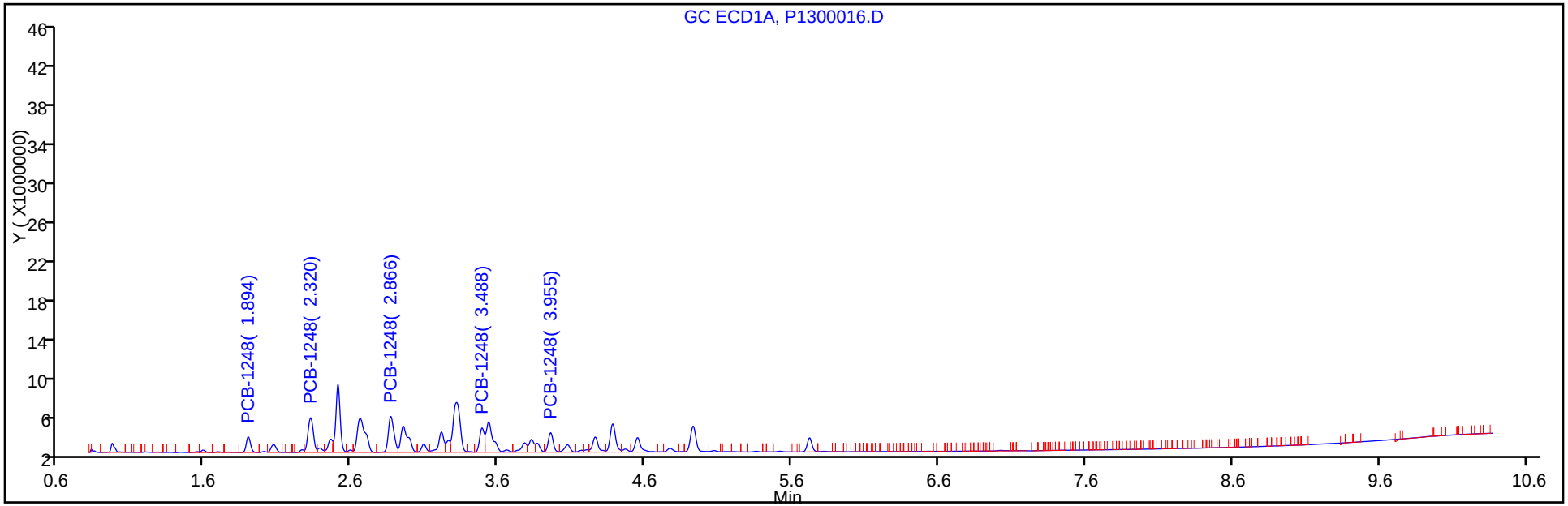
Report Date: 22-Oct-2012 09:18:28 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

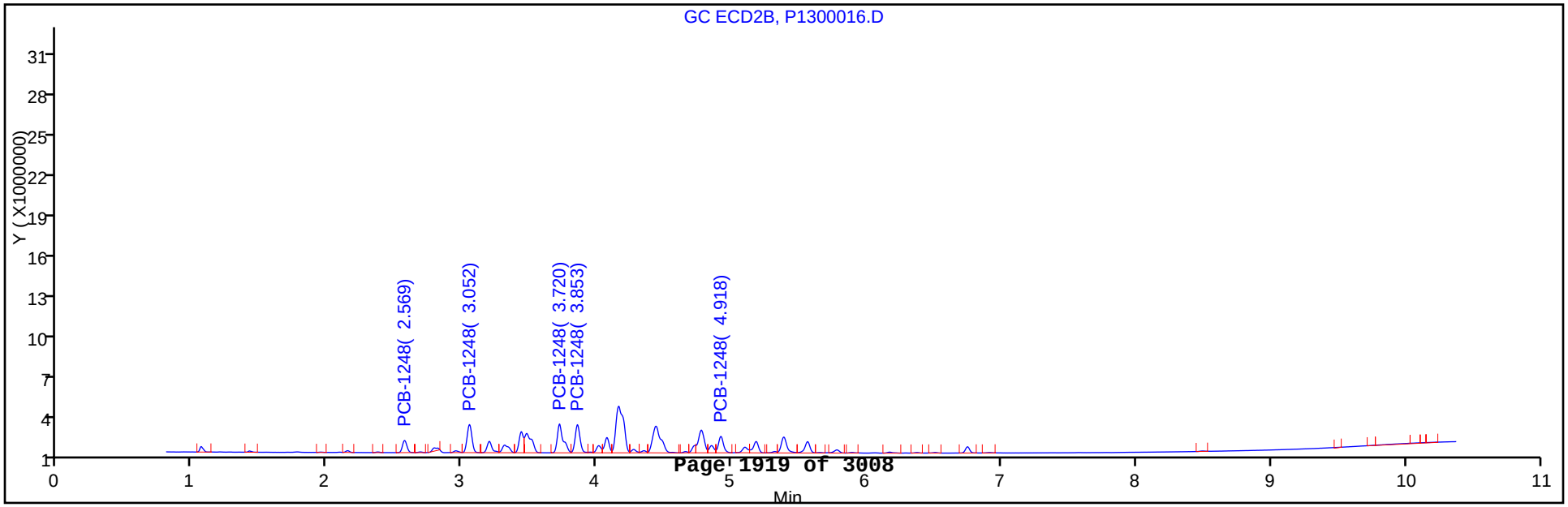
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300016.D

Injection Date:	21-Oct-2012 20:07:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300017.D
Lims ID: STD02 1248 Client ID:
Inject. Date: 21-Oct-2012 20:22:16 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-017
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 62068 Lims Sample ID: 17
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:26 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	6291316	0.2072		100.0	
1	2	2.320	2.319	0.001	17478839	0.2044	252.8- 302.8	277.8	
1	3	2.865	2.866	-0.001	18956690	0.2067	276.3- 326.3	301.3	
1	4	3.488	3.489	-0.001	10879470	0.2082	147.9- 197.9	172.9	
1	5	3.956	3.955	0.001	9507796	0.2073	126.1- 176.1	151.1	
			Average of Peak Amounts =			0.2067			
2	6	2.570	2.570	0.000	3893609	0.2032		100.0	
2	7	3.052	3.053	-0.001	9933230	0.2016	225.1- 285.1	255.1	
2	8	3.721	3.719	0.002	12282545	0.2031	285.5- 345.5	315.5	
2	9	3.853	3.853	0.000	10020517	0.2016	227.4- 287.4	257.4	
2	10	4.917	4.916	0.001	6098245	0.2041	126.6- 186.6	156.6	
			Average of Peak Amounts =			0.2027			
						RPD = 1.97			

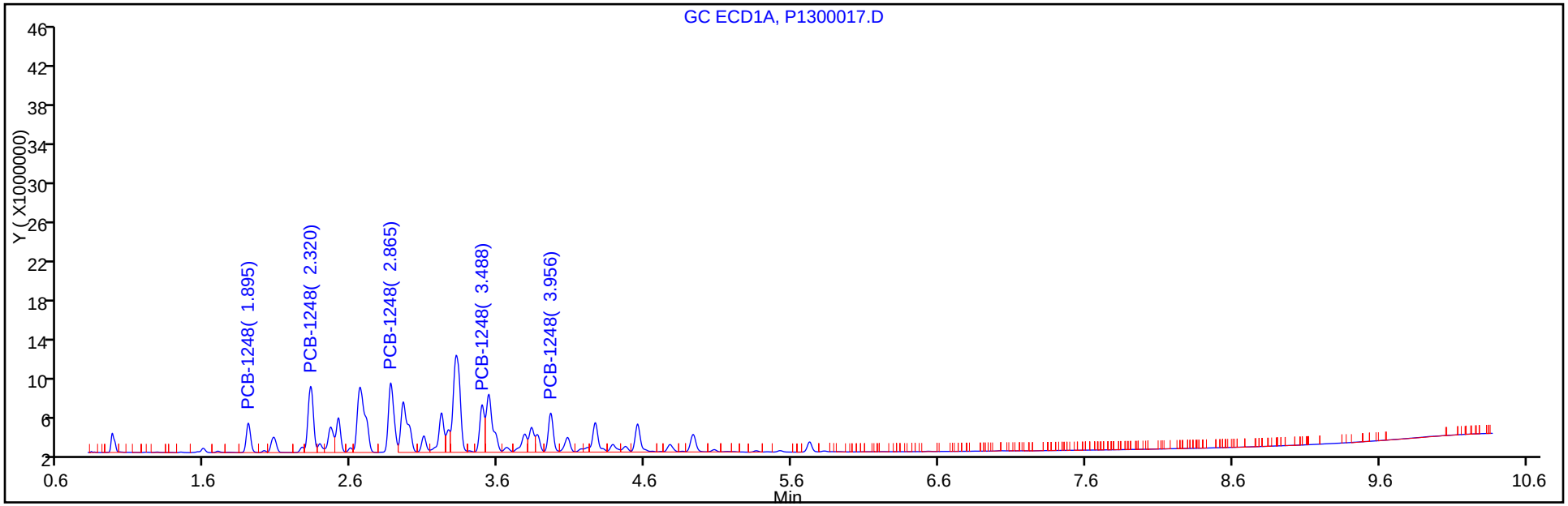
Report Date: 22-Oct-2012 09:18:27 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

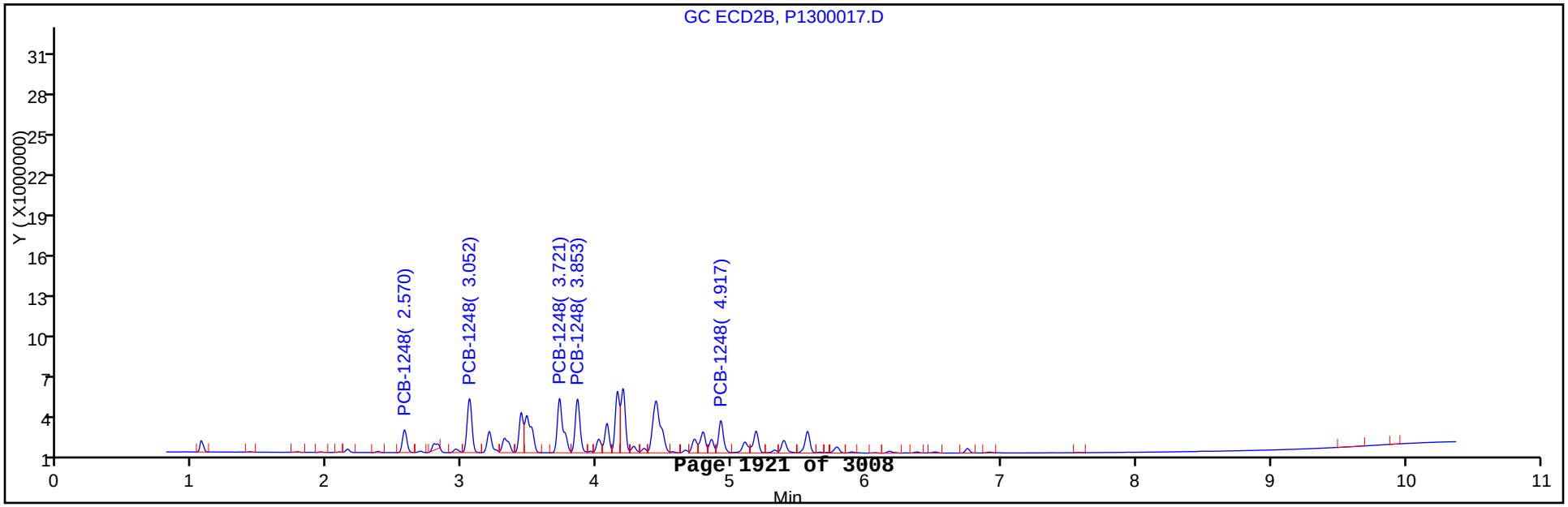
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300017.D

Injection Date:	21-Oct-2012 20:22:16	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300018.D
Lims ID: STD05 1248 Client ID:
Inject. Date: 21-Oct-2012 20:37:10 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-018
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 62068 Lims Sample ID: 18
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:25 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	14170120	0.4667		100.0	
1	2	2.320	2.319	0.001	40437894	0.4729	252.8- 302.8	285.4	
1	3	2.865	2.866	-0.001	43324001	0.4723	276.3- 326.3	305.7	
1	4	3.488	3.489	-0.001	24987649	0.4781	147.9- 197.9	176.3	
1	5	3.955	3.955	0.000	22507046	0.4906	126.1- 176.1	158.8	
			Average of Peak Amounts =			0.4761			
2	6	2.570	2.570	0.000	8854766	0.4621		100.0	
2	7	3.052	3.053	-0.001	23340190	0.4738	225.1- 285.1	263.6	
2	8	3.720	3.719	0.001	28238370	0.4670	285.5- 345.5	318.9	
2	9	3.854	3.853	0.001	23599597	0.4748	227.4- 287.4	266.5	
2	10	4.918	4.916	0.002	14111828	0.4723	126.6- 186.6	159.4	
			Average of Peak Amounts =			0.4700			
						RPD = 1.31			

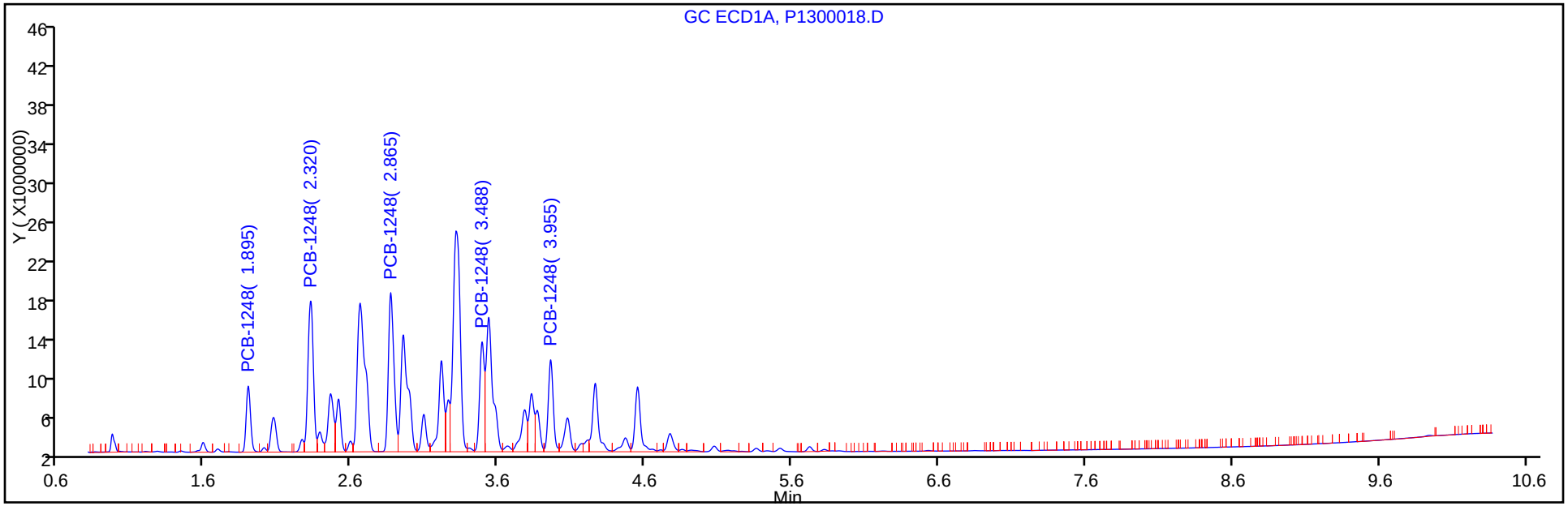
Report Date: 22-Oct-2012 09:18:25 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

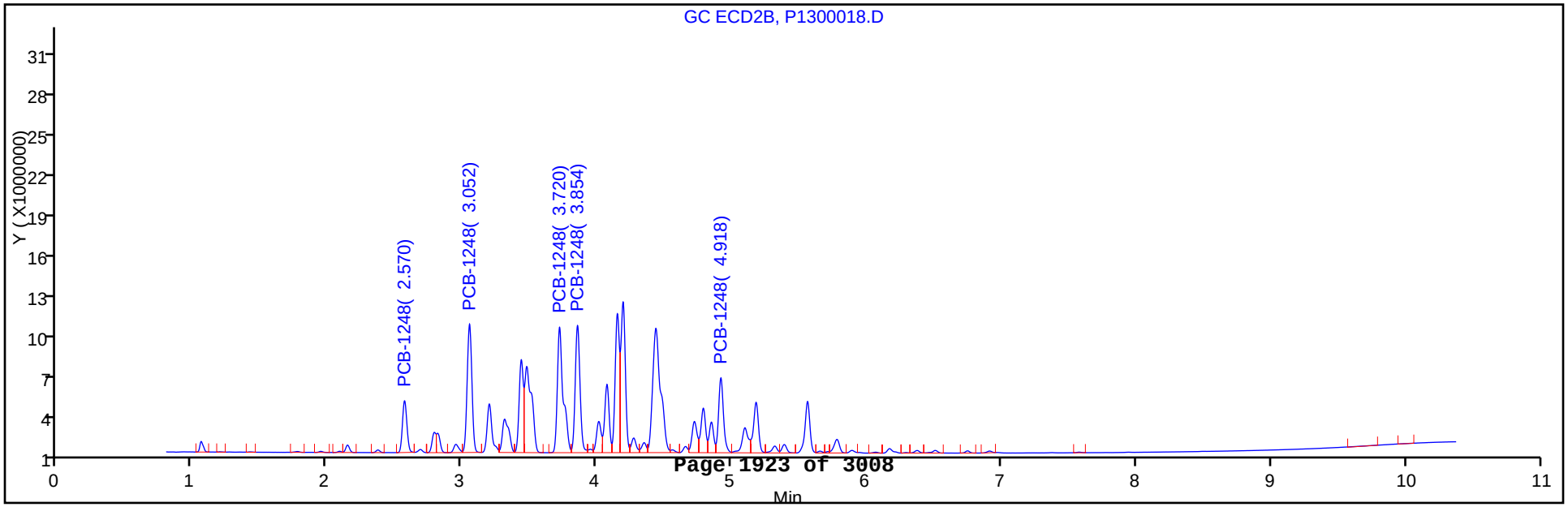
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300018.D

Injection Date:	21-Oct-2012 20:37:10	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300019.D
Lims ID: STD1 1248 Client ID:
Inject. Date: 21-Oct-2012 20:52:10 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-019
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 62068 Lims Sample ID: 19
Sublist: chrom-PCB13*sub9
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:23 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.896	1.895	0.001	29135388	0.9596		100.0	
1	2	2.321	2.319	0.002	84632106	0.9897	252.8- 302.8	290.5	
1	3	2.867	2.866	0.001	89853545	0.9796	276.3- 326.3	308.4	
1	4	3.489	3.489	0.000	51679145	0.9888	147.9- 197.9	177.4	
1	5	3.956	3.955	0.001	46162000	1.01	126.1- 176.1	158.4	
			Average of Peak Amounts =			0.9848			
2	6	2.570	2.570	0.000	18764890	0.9792		100.0	
2	7	3.053	3.053	0.000	50161615	1.02	225.1- 285.1	267.3	
2	8	3.721	3.719	0.002	59878771	0.99	285.5- 345.5	319.1	
2	9	3.854	3.853	0.001	50492707	1.02	227.4- 287.4	269.1	
2	10	4.917	4.916	0.001	30146724	1.01	126.6- 186.6	160.7	
			Average of Peak Amounts =			1.00			
						RPD = 1.77			

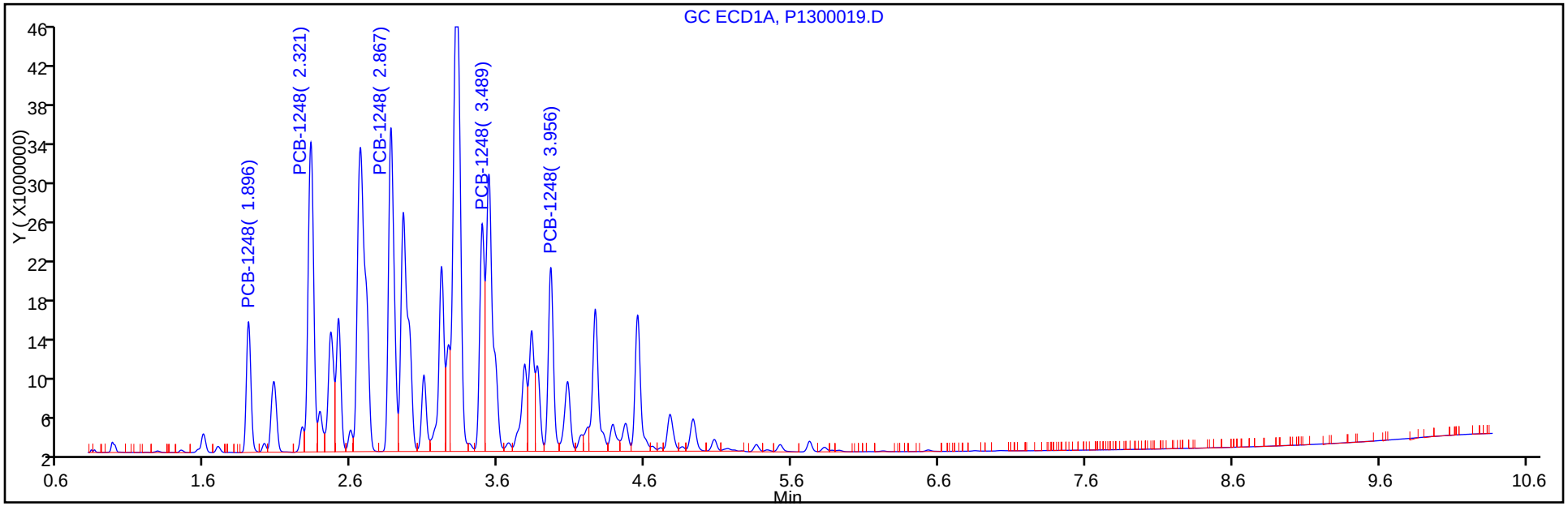
Report Date: 22-Oct-2012 09:18:24 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

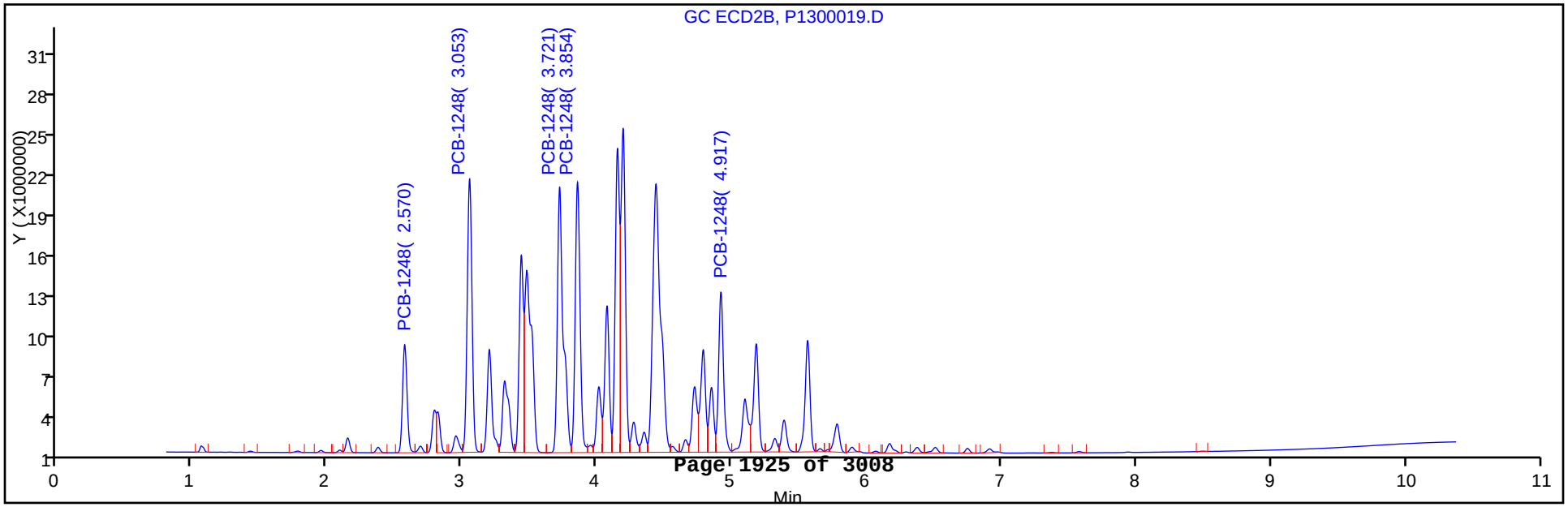
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300019.D

Injection Date:	21-Oct-2012 20:52:10	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300020.D		
Lims ID:	STD2 1248	Client ID:	
Inject. Date:	21-Oct-2012 21:07:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014228-020		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	62068	Lims Sample ID:	20
Sublist:	chrom-PCB13*sub9		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:21	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.898	1.895	0.003	48136898	1.59		100.0	
1	2	2.323	2.319	0.004	141940688	1.66	252.8- 302.8	294.9	
1	3	2.867	2.866	0.001	148998259	1.62	276.3- 326.3	309.5	
1	4	3.491	3.489	0.002	89567507	1.71	147.9- 197.9	186.1	
1	5	3.956	3.955	0.001	78344020	1.71	126.1- 176.1	162.8	
			Average of Peak Amounts =			1.66			
2	6	2.572	2.570	0.002	31723638	1.66		100.0	
2	7	3.053	3.053	0.000	86579334	1.76	225.1- 285.1	272.9	
2	8	3.721	3.719	0.002	102769872	1.70	285.5- 345.5	324.0	
2	9	3.854	3.853	0.001	87113870	1.75	227.4- 287.4	274.6	
2	10	4.919	4.916	0.003	52631215	1.76	126.6- 186.6	165.9	
			Average of Peak Amounts =			1.73			
						RPD = 3.96			

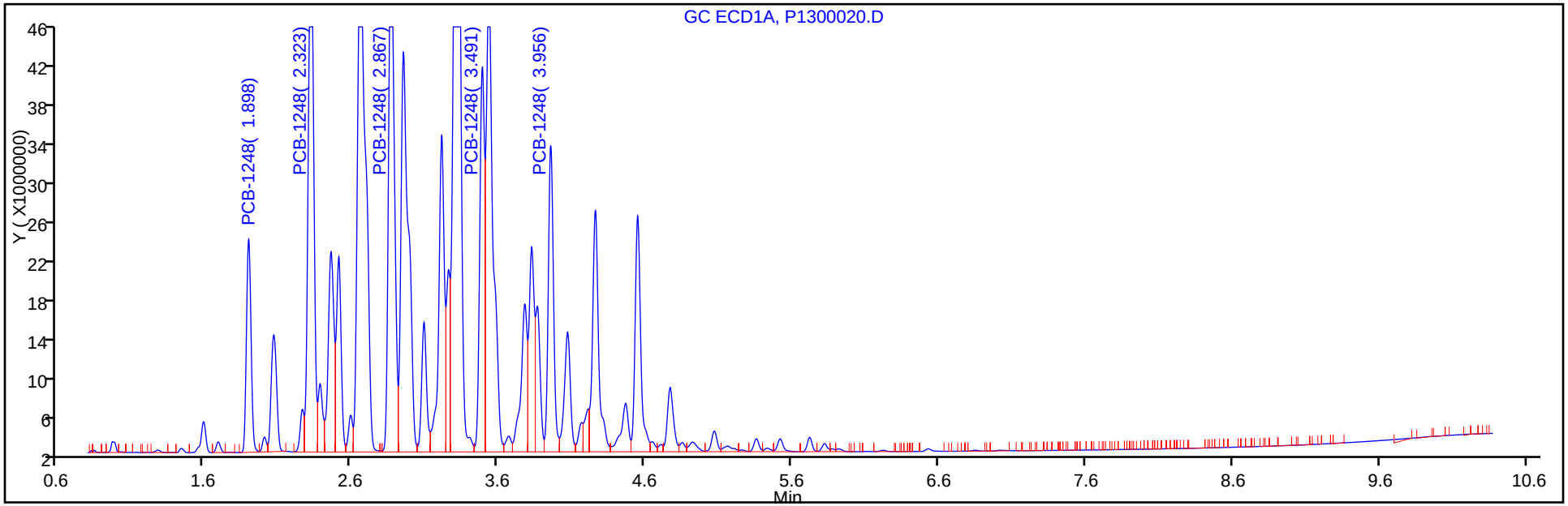
Report Date: 22-Oct-2012 09:18:22 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

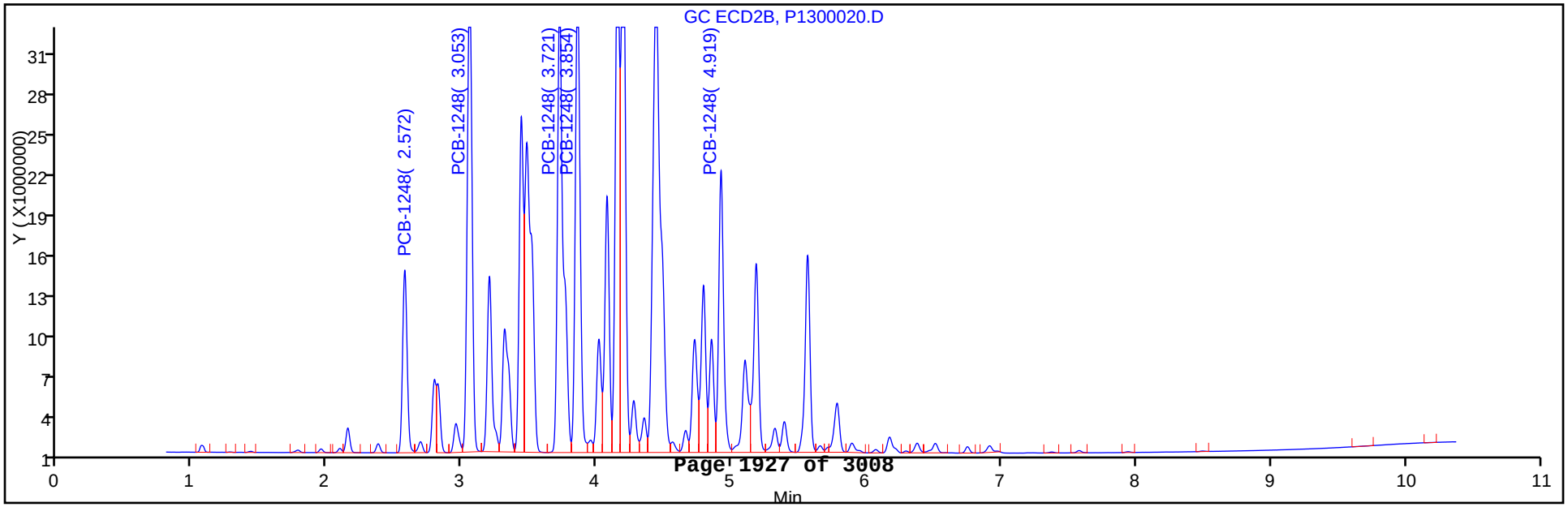
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300020.D

Injection Date:	21-Oct-2012 21:07:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	20
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12030

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1221 Peak 1	1.435	1.435	1.435	1.435	1.436	1.435					1.385 - 1.485	1.435
PCB-1221 Peak 2	1.554	1.554	1.555	1.559	1.558	1.555					1.504 - 1.604	1.556
PCB-1221 Peak 3	1.586	1.587	1.586	1.587	1.586	1.587					1.536 - 1.636	1.587
PCB-1254 Peak 1	3.541	3.541	3.541	3.542	3.541	3.541					3.491 - 3.591	3.541
PCB-1254 Peak 2	3.956	3.956	3.955	3.956	3.956	3.955					3.906 - 4.006	3.956
PCB-1254 Peak 3	4.259	4.260	4.259	4.260	4.258	4.258					4.209 - 4.309	4.259
PCB-1254 Peak 4	4.467	4.468	4.466	4.467	4.466	4.466					4.417 - 4.517	4.467
PCB-1254 Peak 5	4.768	4.770	4.767	4.769	4.768	4.768					4.718 - 4.818	4.768

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12030

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	25276500 19416966	23589510 18376366	22146085	20859736	Ave		21610860.4				12.0		20.0			
PCB-1221 Peak 2	10506480 7440731	8390410 5964105	11072690	8799626	Qua	171636.332	8985050.25	-1560510.2						0.9980		0.9900
PCB-1221 Peak 3	69505760 49419050	65556860 46496770	57187385	53780986	Ave		56991135.2				16.0		20.0			
PCB-1254 Peak 1	155832800 120561612	123644400 114823635	135522475	128741102	Ave		129854337				11.0		20.0			
PCB-1254 Peak 2	165456440 131664859	136186960 125070332	145826905	139441684	Ave		140607863				10.0		20.0			
PCB-1254 Peak 3	133257220 110520159	100857590 105098997	121885025	115820590	Ave		114573263				10.0		20.0			
PCB-1254 Peak 4	112188460 92256552	98765440 87399898	101505340	97555316	Ave		98278500.9				8.6		20.0			
PCB-1254 Peak 5	162268680 134779062	133284940 127632578	147858510	142074056	Ave		141316304				8.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12030

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	1263825 36752731	2358951	4429217	10429868	19416966	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	Qua	525324 11928209	839041	2214538	4399813	7440731	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	Ave	3475288 92993540	6555686	11437477	26890493	49419050	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	Ave	7791640 229647270	12364440	27104495	64370551	120561612	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	Ave	8272822 250140664	13618696	29165381	69720842	131664859	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	Ave	6662861 210197993	10085759	24377005	57910295	110520159	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	Ave	5609423 174799795	9876544	20301068	48777658	92256552	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	Ave	8113434 255265155	13328494	29571702	71037028	134779062	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average
Qua = Quadratic

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300021.D
Lims ID: STD005 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:21:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-021
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 62068 Lims Sample ID: 21
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:20 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:04:40

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	1263825	0.0585		100.0	
1	3	1.554	1.554	0.000	525324	0.0396	25.0- 75.0	41.6	M
1	4	1.586	1.586	0.000	3475288	0.0610	233.2- 283.2	275.0	M
			Average of Peak Amounts =			0.0530			
2	4	1.948	1.948	0.000	767886	0.0580		100.0	
2	5	2.088	2.088	0.000	526180	0.0599	37.0- 97.0	68.5	
2	6	2.148	2.148	0.000	1893329	0.0596	210.7- 270.7	246.6	
			Average of Peak Amounts =			0.0591			
						RPD = 10.91			
8 PCB-1254									
1	100	3.541	3.541	0.000	7791640	0.0600		100.0	
1	2	3.956	3.956	0.000	8272822	0.0588	82.6- 132.6	106.2	
1	3	4.259	4.259	0.000	6662861	0.0582	64.9- 114.9	85.5	
1	4	4.467	4.467	0.000	5609423	0.0571	49.9- 99.9	72.0	
1	5	4.768	4.768	0.000	8113434	0.0574	84.1- 134.1	104.1	
			Average of Peak Amounts =			0.0583			
2	6	4.413	4.413	0.000	3272046	0.0571		100.0	
2	7	4.918	4.918	0.000	4995814	0.0563	124.0- 184.0	152.7	
2	8	5.179	5.179	0.000	3483982	0.0573	76.3- 136.3	106.5	
2	9	5.562	5.562	0.000	3718883	0.0550	87.0- 147.0	113.7	
2	10	5.779	5.779	0.000	4668113	0.0538	121.1- 181.1	142.7	
			Average of Peak Amounts =			0.0559			
						RPD = 4.16			

QC Flag Legend

Review Flags
M - Manually Integrated

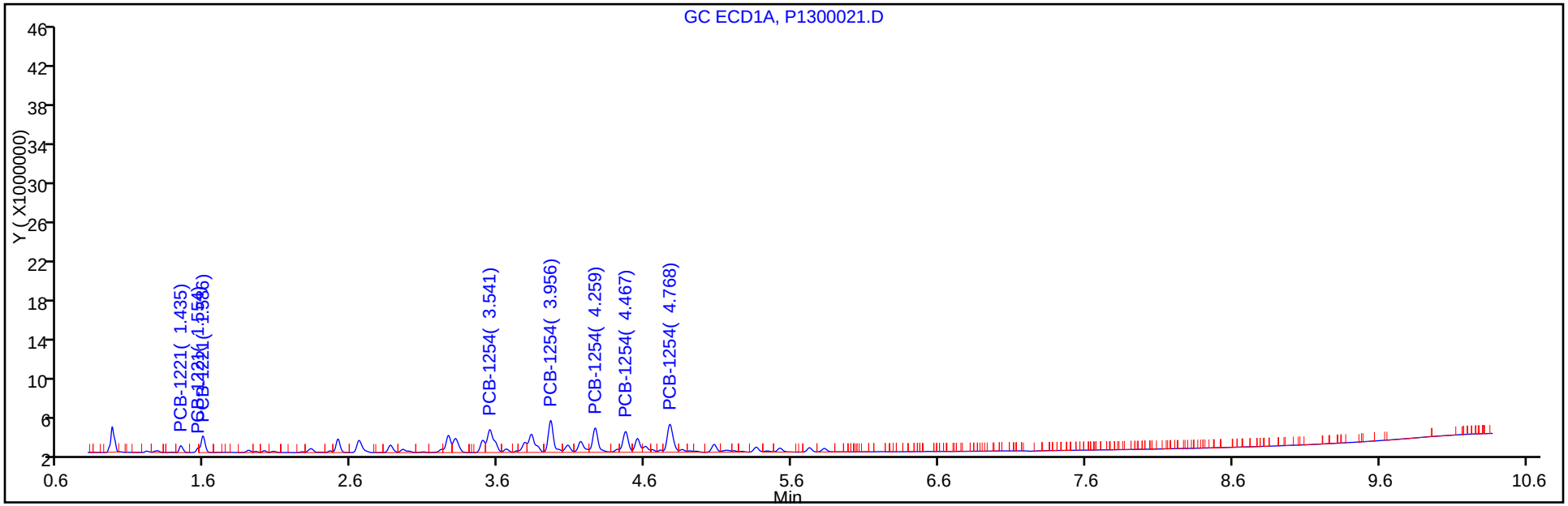
Report Date: 22-Oct-2012 09:18:21 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

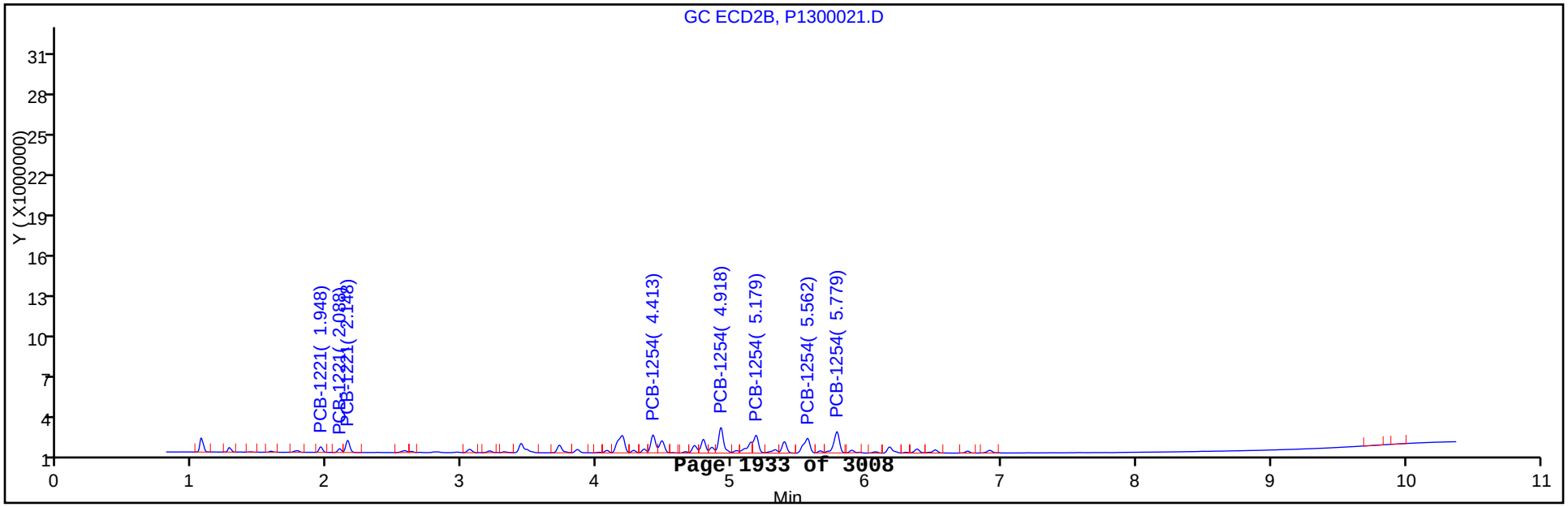
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300021.D

Injection Date:	21-Oct-2012 21:21:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



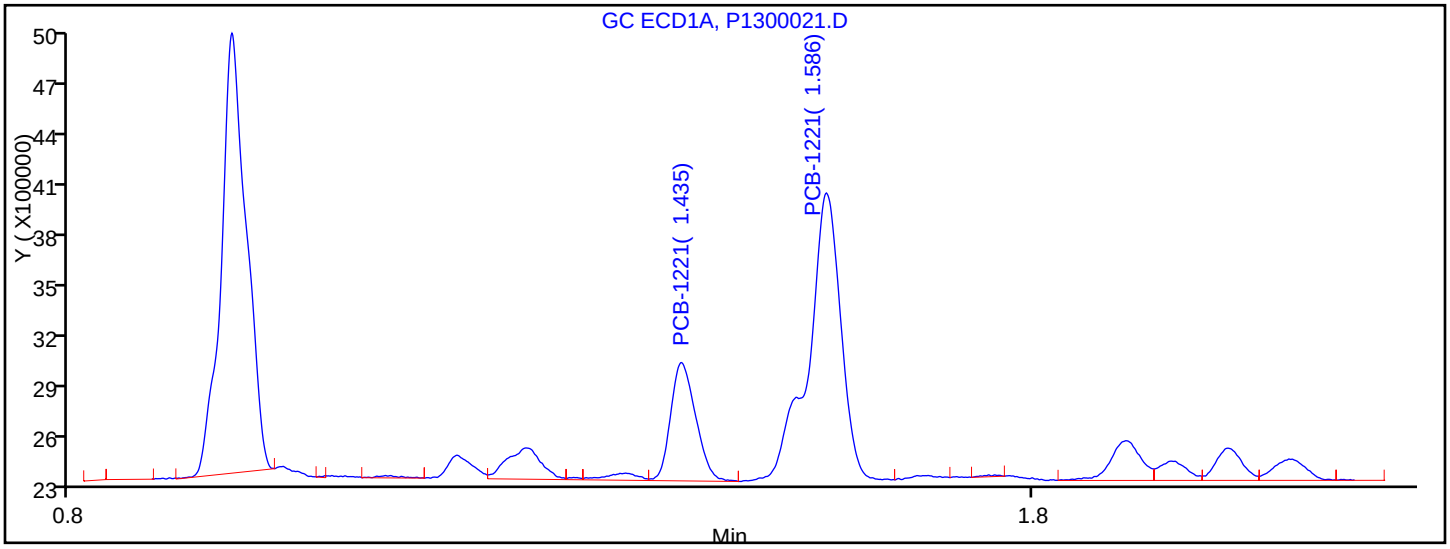
Report Date: 22-Oct-2012 09:18:21 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300021.D

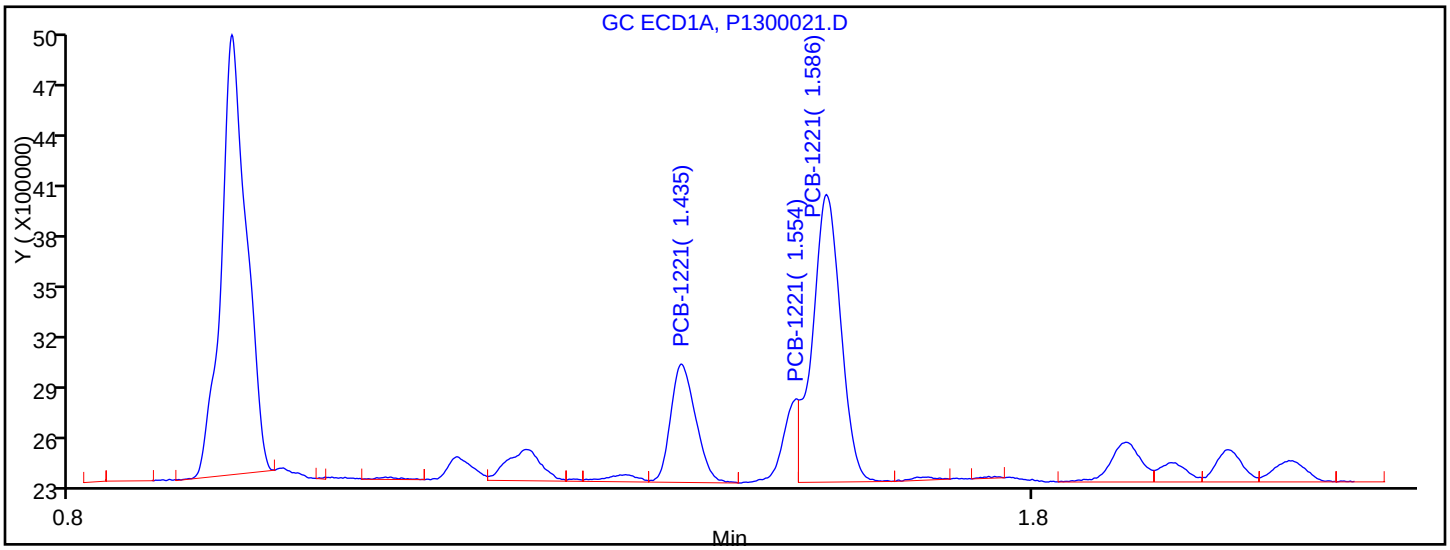
Injection Date:	21-Oct-2012 21:21:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 1263825	
RT = 1.585	Response = 0	M
RT = 1.586	Response = 4000527	M



Manual Integration Results

RT = 1.435	Response = 1263825	
RT = 1.554	Response = 525324	M
RT = 1.586	Response = 3475288	M

Reviewer: hassl, 22-Oct-2012 09:04:40

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D
Lims ID: STD01 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:36:53 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-022
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 62068 Lims Sample ID: 22
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:18 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:05:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	2358951	0.1092		100.0	
1	3	1.554	1.554	0.000	839041	0.0753	25.0- 75.0	35.6	M
1	4	1.587	1.586	0.001	6555686	0.1150	233.2- 283.2	277.9	M
			Average of Peak Amounts =			0.0998			
2	4	1.948	1.948	0.000	1450065	0.1095		100.0	
2	5	2.088	2.088	0.000	967199	0.1101	37.0- 97.0	66.7	
2	6	2.149	2.148	0.001	3453182	0.1087	210.7- 270.7	238.1	
			Average of Peak Amounts =			0.1094			
						RPD = 9.17			
8 PCB-1254									M
1	100	3.541	3.541	0.000	12364440	0.0952		100.0	
1	2	3.956	3.956	0.000	13618696	0.0969	82.6- 132.6	110.1	
1	3	4.260	4.259	0.001	10085759	0.0880	64.9- 114.9	81.6	
1	4	4.468	4.467	0.001	9876544	0.1005	49.9- 99.9	79.9	
1	5	4.770	4.768	0.002	13328494	0.0943	84.1- 134.1	107.8	
			Average of Peak Amounts =			0.0950			
2	6	4.414	4.413	0.001	6083673	0.1062		100.0	
2	7	4.918	4.918	0.000	9283736	0.1047	124.0- 184.0	152.6	
2	8	5.179	5.179	0.000	6036986	0.0993	76.3- 136.3	99.2	M
2	9	5.560	5.562	-0.002	7048523	0.1043	87.0- 147.0	115.9	
2	10	5.779	5.779	0.000	9111373	0.1049	121.1- 181.1	149.8	
			Average of Peak Amounts =			0.1039			
						RPD = 8.97			

QC Flag Legend

Review Flags
M - Manually Integrated

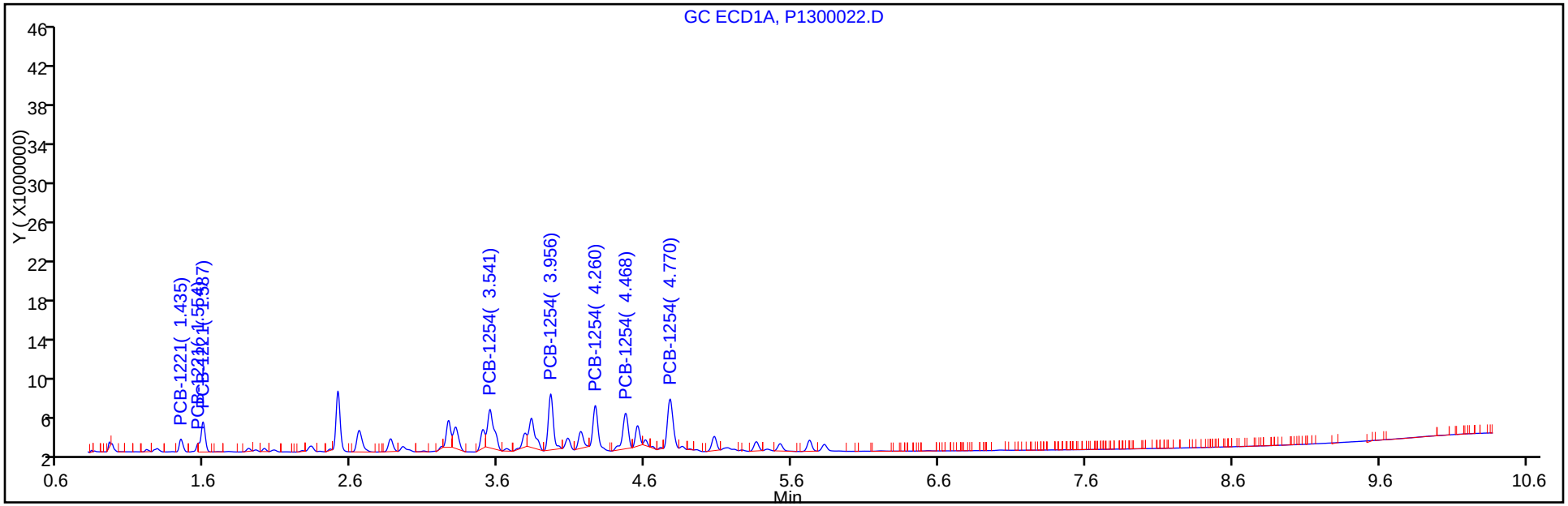
Report Date: 22-Oct-2012 09:18:19 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

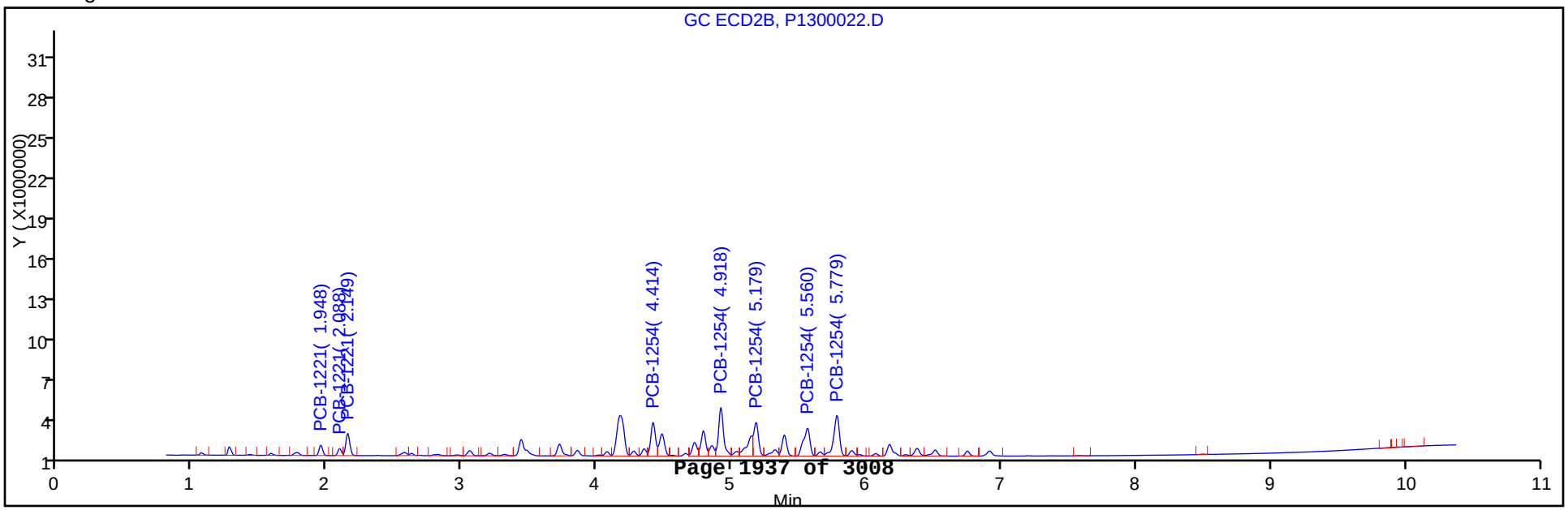
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D

Injection Date:	21-Oct-2012 21:36:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



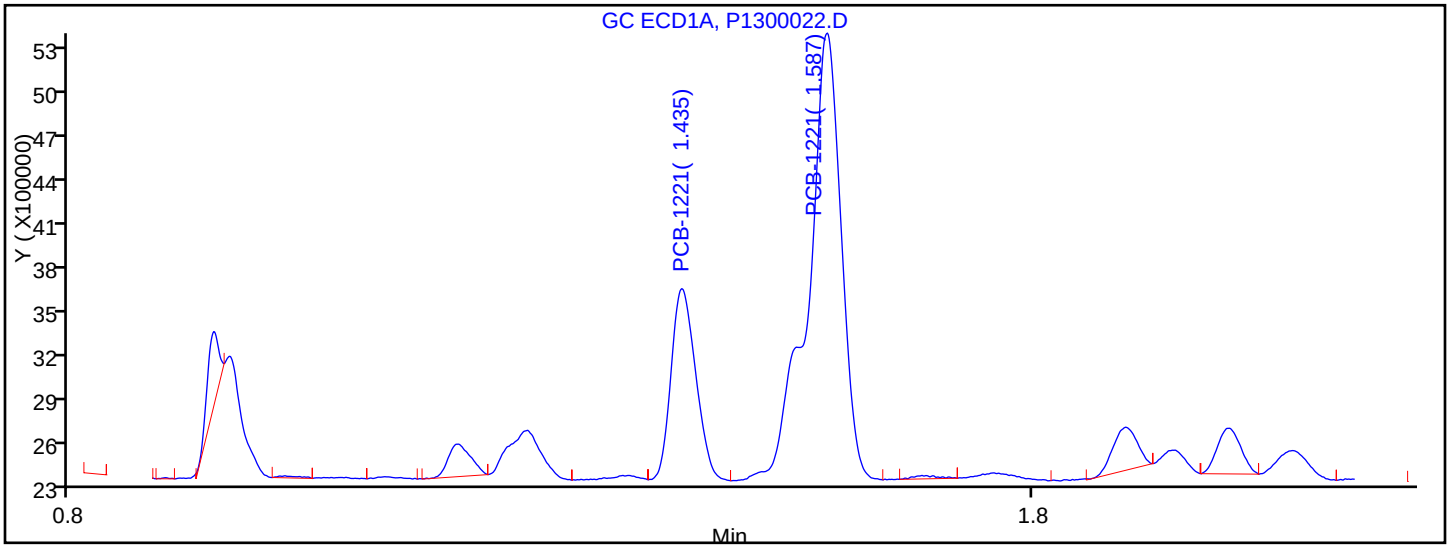
Report Date: 22-Oct-2012 09:18:19 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D

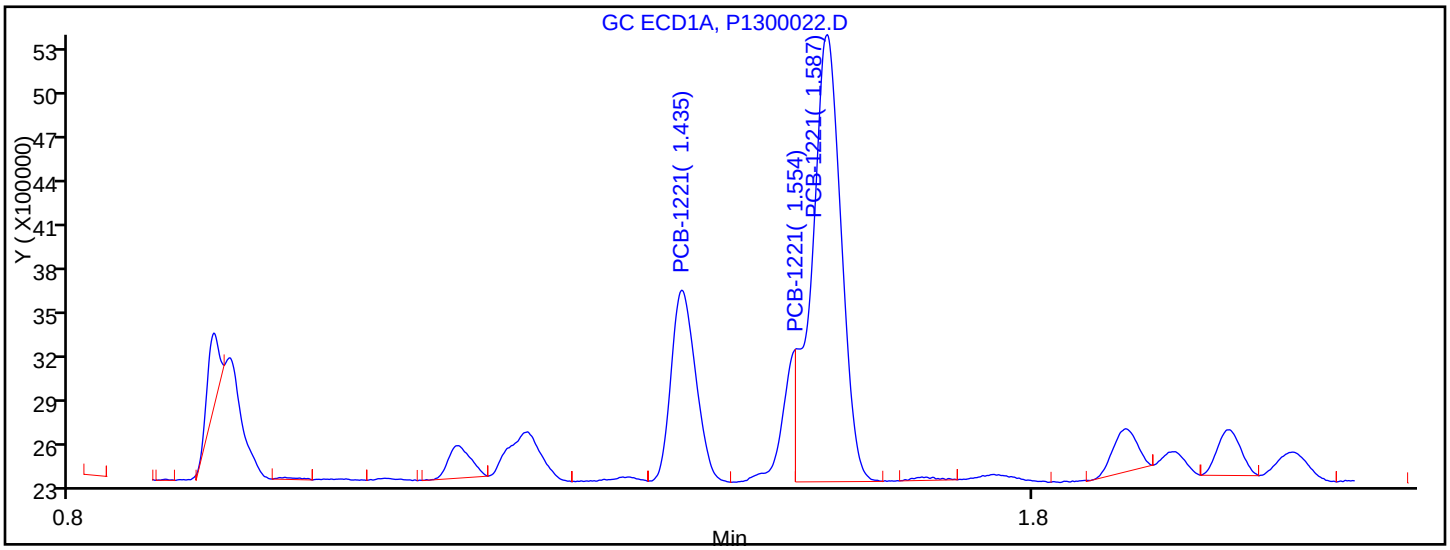
Injection Date:	21-Oct-2012 21:36:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 2358951	
RT = 1.586	Response = 0	M
RT = 1.587	Response = 7394792	M



Manual Integration Results

RT = 1.435	Response = 2358951	
RT = 1.554	Response = 839041	M
RT = 1.587	Response = 6555686	M

Reviewer: hassl, 22-Oct-2012 09:05:12

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D
Lims ID: STD02 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:51:47 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-023
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 62068 Lims Sample ID: 23
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:17 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:05:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	4429217	0.2050		100.0	
1	3	1.555	1.554	0.001	2214538	0.2371	25.0- 75.0	50.0	M
1	4	1.586	1.586	0.000	11437477	0.2007	233.2- 283.2	258.2	M
			Average of Peak Amounts =			0.2143			
2	4	1.947	1.948	-0.001	2669812	0.2015		100.0	
2	5	2.087	2.088	-0.001	1788151	0.2035	37.0- 97.0	67.0	
2	6	2.147	2.148	-0.001	6425697	0.2022	210.7- 270.7	240.7	
			Average of Peak Amounts =			0.2024			
						RPD = 5.67			
8 PCB-1254									M
1	100	3.541	3.541	0.000	27104495	0.2087		100.0	
1	2	3.955	3.956	-0.001	29165381	0.2074	82.6- 132.6	107.6	
1	3	4.259	4.259	0.000	24377005	0.2128	64.9- 114.9	89.9	
1	4	4.466	4.467	-0.001	20301068	0.2066	49.9- 99.9	74.9	
1	5	4.767	4.768	-0.001	29571702	0.2093	84.1- 134.1	109.1	
			Average of Peak Amounts =			0.2089			
2	6	4.414	4.413	0.001	11477419	0.2004		100.0	
2	7	4.917	4.918	-0.001	17676021	0.1994	124.0- 184.0	154.0	
2	8	5.177	5.179	-0.002	12195047	0.2006	76.3- 136.3	106.3	M
2	9	5.560	5.562	-0.002	13430677	0.1988	87.0- 147.0	117.0	
2	10	5.778	5.779	-0.001	17343772	0.1998	121.1- 181.1	151.1	
			Average of Peak Amounts =			0.1998			
						RPD = 4.48			

QC Flag Legend

Review Flags
M - Manually Integrated

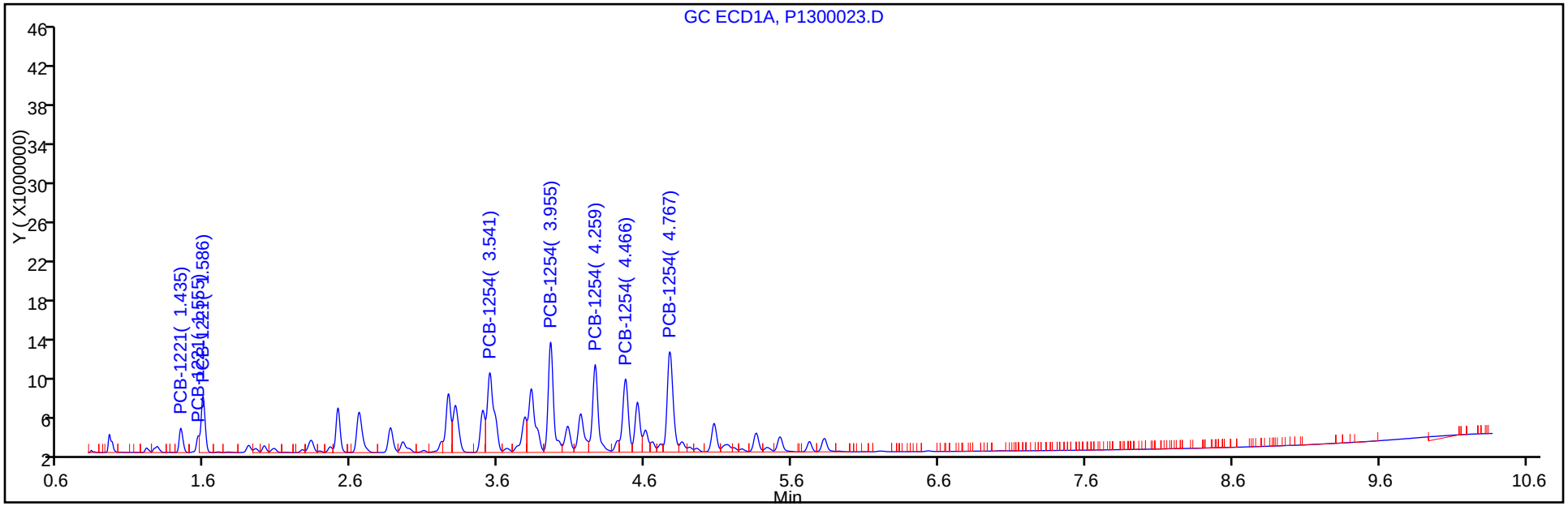
Report Date: 22-Oct-2012 09:18:18 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

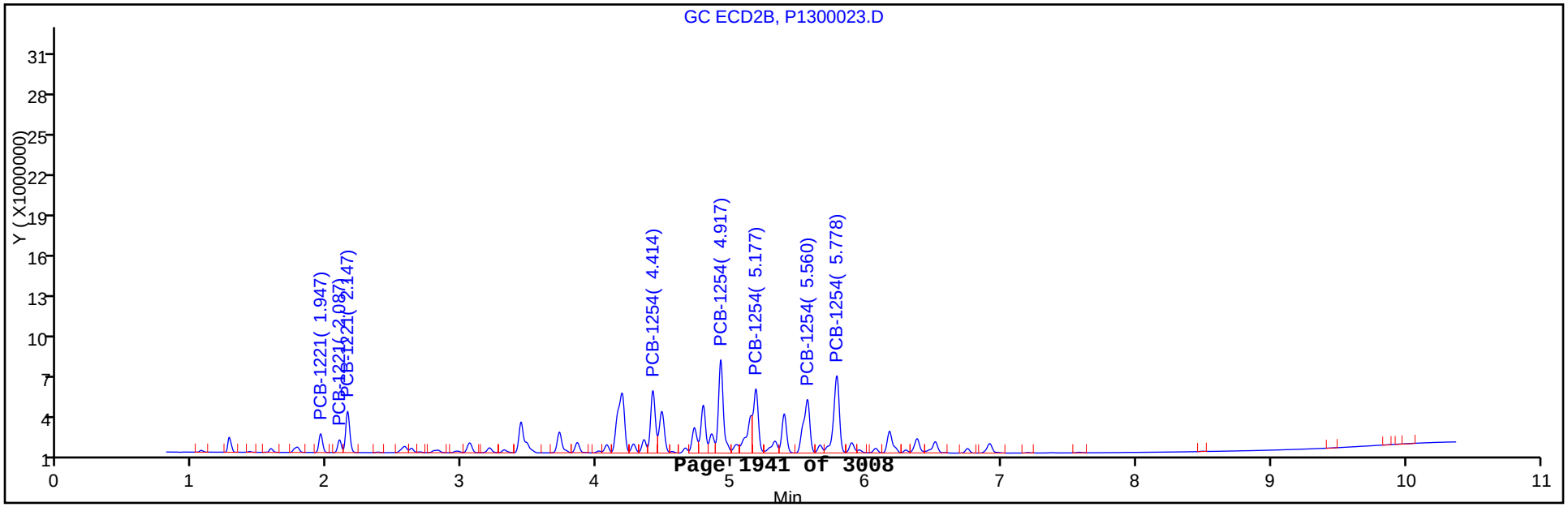
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D

Injection Date:	21-Oct-2012 21:51:47	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



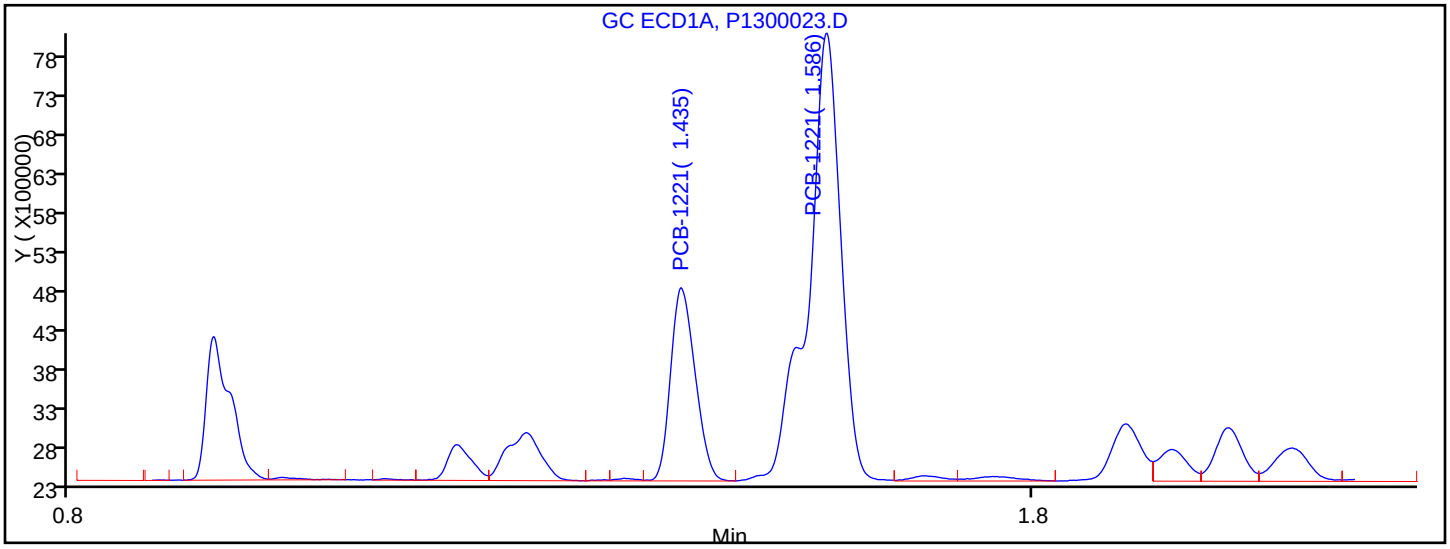
Report Date: 22-Oct-2012 09:18:18 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D

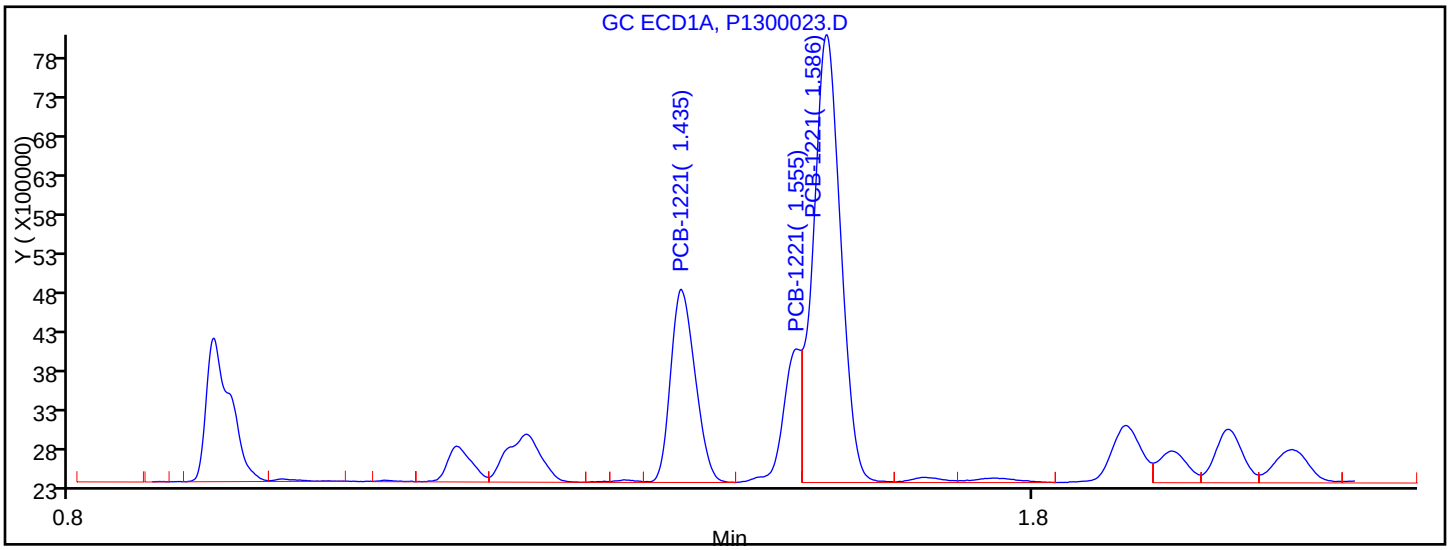
Injection Date:	21-Oct-2012 21:51:47	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 4429217	
RT = 1.586	Response = 0	M
RT = 1.586	Response = 13652016	M



Manual Integration Results

RT = 1.435	Response = 4429217	
RT = 1.555	Response = 2214538	M
RT = 1.586	Response = 11437477	M

Reviewer: hassl, 22-Oct-2012 09:06:40

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300024.D
Lims ID: STD05 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:06:41 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-024
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 62068 Lims Sample ID: 24
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:15 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:07:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	10429868	0.4826		100.0	
1	3	1.559	1.554	0.005	4399813	0.5170	25.0- 75.0	42.2	M
1	4	1.587	1.586	0.001	26890493	0.4718	233.2- 283.2	257.8	M
			Average of Peak Amounts =			0.4905			
2	4	1.948	1.948	0.000	6330644	0.4779		100.0	
2	5	2.088	2.088	0.000	4167691	0.4744	37.0- 97.0	65.8	
2	6	2.148	2.148	0.000	15087116	0.4748	210.7- 270.7	238.3	
			Average of Peak Amounts =			0.4757			
						RPD = 3.06			
8 PCB-1254									
1	100	3.542	3.541	0.001	64370551	0.4957		100.0	
1	2	3.956	3.956	0.000	69720842	0.4959	82.6- 132.6	108.3	
1	3	4.260	4.259	0.001	57910295	0.5054	64.9- 114.9	90.0	
1	4	4.467	4.467	0.000	48777658	0.4963	49.9- 99.9	75.8	
1	5	4.769	4.768	0.001	71037028	0.5027	84.1- 134.1	110.4	
			Average of Peak Amounts =			0.4992			
2	6	4.414	4.413	0.001	27491372	0.4800		100.0	
2	7	4.919	4.918	0.001	43106896	0.4862	124.0- 184.0	156.8	
2	8	5.179	5.179	0.000	29791558	0.4900	76.3- 136.3	108.4	
2	9	5.561	5.562	-0.001	32792131	0.4854	87.0- 147.0	119.3	
2	10	5.779	5.779	0.000	42777108	0.4927	121.1- 181.1	155.6	
			Average of Peak Amounts =			0.4869			
						RPD = 2.50			

QC Flag Legend

Review Flags
M - Manually Integrated

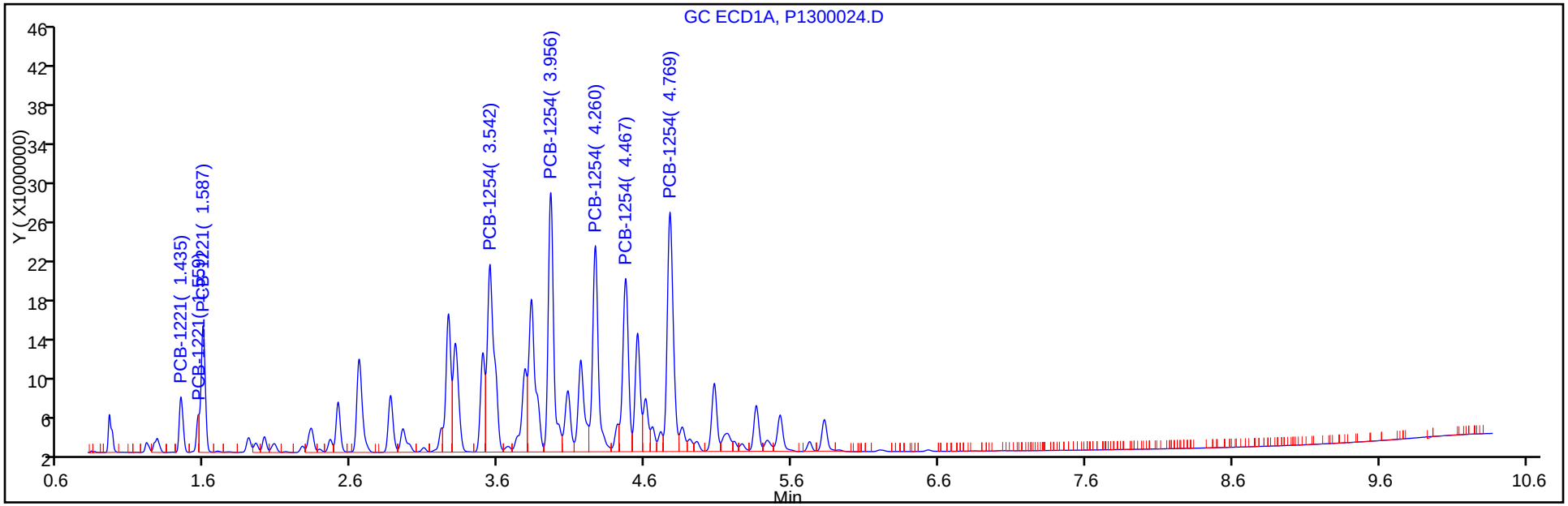
Report Date: 22-Oct-2012 09:18:16 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

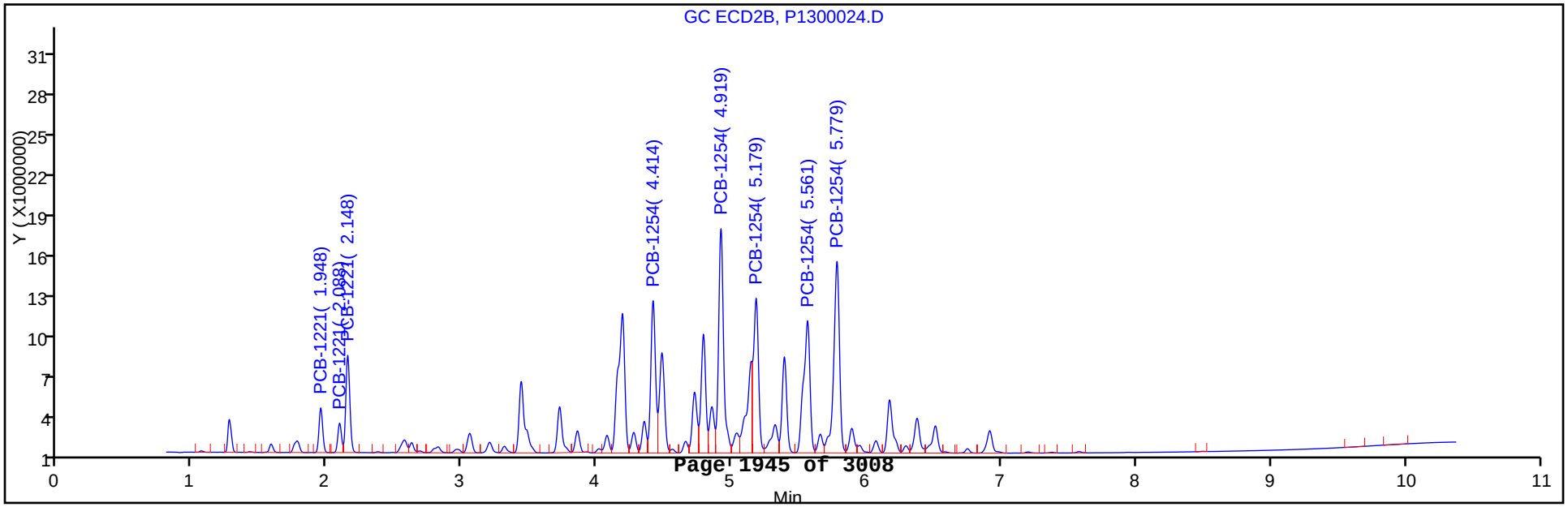
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300024.D

Injection Date:	21-Oct-2012 22:06:41	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



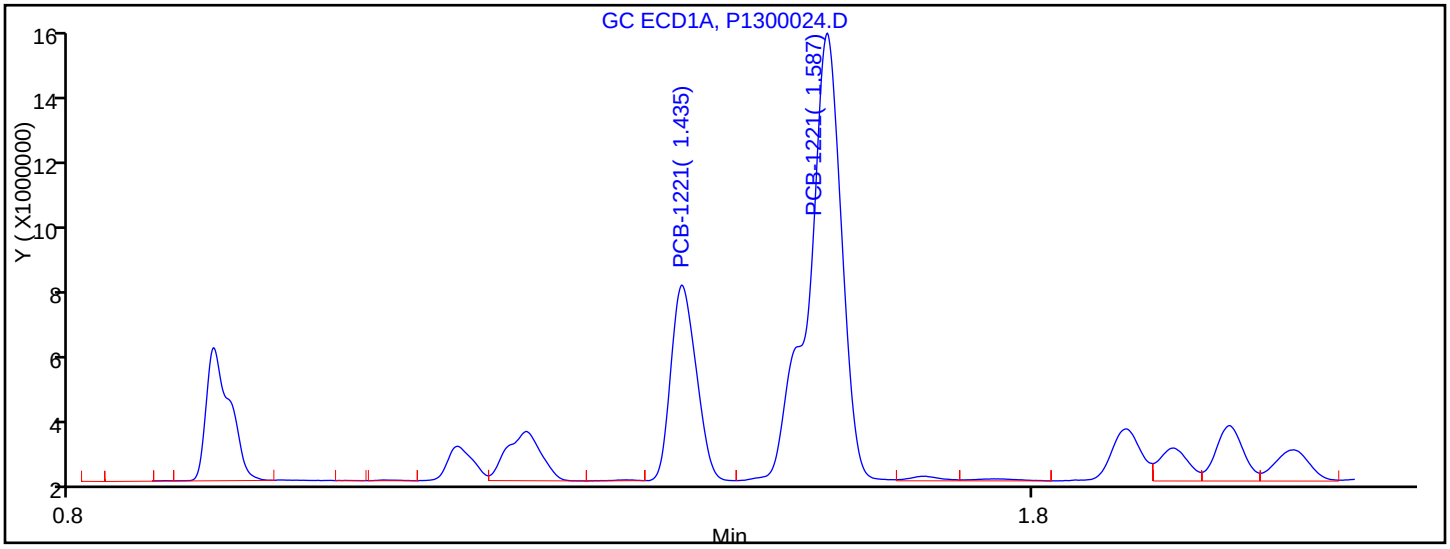
Report Date: 22-Oct-2012 09:18:16 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300024.D

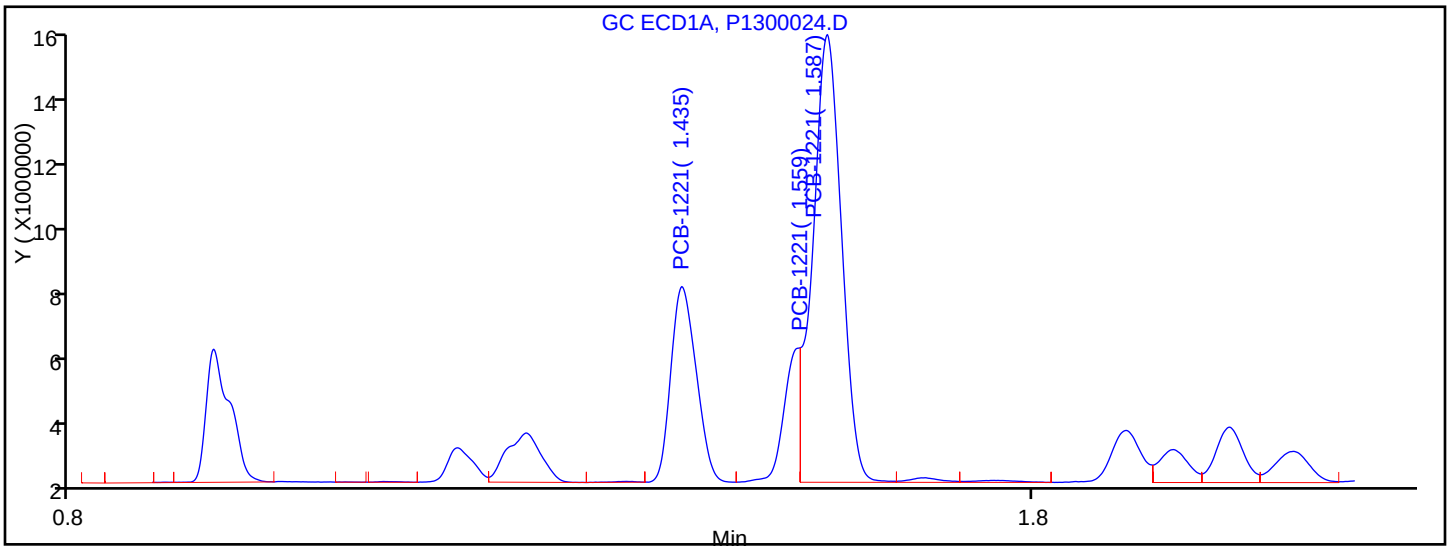
Injection Date:	21-Oct-2012 22:06:41	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 10429868	
RT = 1.586	Response = 0	M
RT = 1.587	Response = 31290328	M



Manual Integration Results

RT = 1.435	Response = 10429868	
RT = 1.559	Response = 4399813	M
RT = 1.587	Response = 26890493	M

Reviewer: hassl, 22-Oct-2012 09:07:11

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300025.D
Lims ID: STD1 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:21:34 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-025
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 62068 Lims Sample ID: 25
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:14 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:07:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.436	1.435	0.001	19416966	0.8985		100.0	
1	3	1.558	1.554	0.004	7440731	0.9737	25.0- 75.0	38.3	M
1	4	1.586	1.586	0.000	49419050	0.8671	233.2- 283.2	254.5	M
			Average of Peak Amounts =			0.9131			
2	4	1.948	1.948	0.000	11957868	0.9027		100.0	
2	5	2.088	2.088	0.000	7792949	0.8870	37.0- 97.0	65.2	
2	6	2.148	2.148	0.000	28432724	0.8949	210.7- 270.7	237.8	
			Average of Peak Amounts =			0.8949			
						RPD = 2.02			
8 PCB-1254									
1	100	3.541	3.541	0.000	120561612	0.9284		100.0	
1	2	3.956	3.956	0.000	131664859	0.9364	82.6- 132.6	109.2	
1	3	4.258	4.259	-0.001	110520159	0.9646	64.9- 114.9	91.7	
1	4	4.466	4.467	-0.001	92256552	0.9387	49.9- 99.9	76.5	
1	5	4.768	4.768	0.000	134779062	0.9537	84.1- 134.1	111.8	
			Average of Peak Amounts =			0.9444			
2	6	4.415	4.413	0.002	52966523	0.9249		100.0	
2	7	4.917	4.918	-0.001	83028670	0.9364	124.0- 184.0	156.8	
2	8	5.179	5.179	0.000	58426984	0.9610	76.3- 136.3	110.3	
2	9	5.561	5.562	-0.001	64281415	0.9515	87.0- 147.0	121.4	
2	10	5.779	5.779	0.000	82957319	0.9555	121.1- 181.1	156.6	
			Average of Peak Amounts =			0.9459			
						RPD = 0.16			

QC Flag Legend

Review Flags
M - Manually Integrated

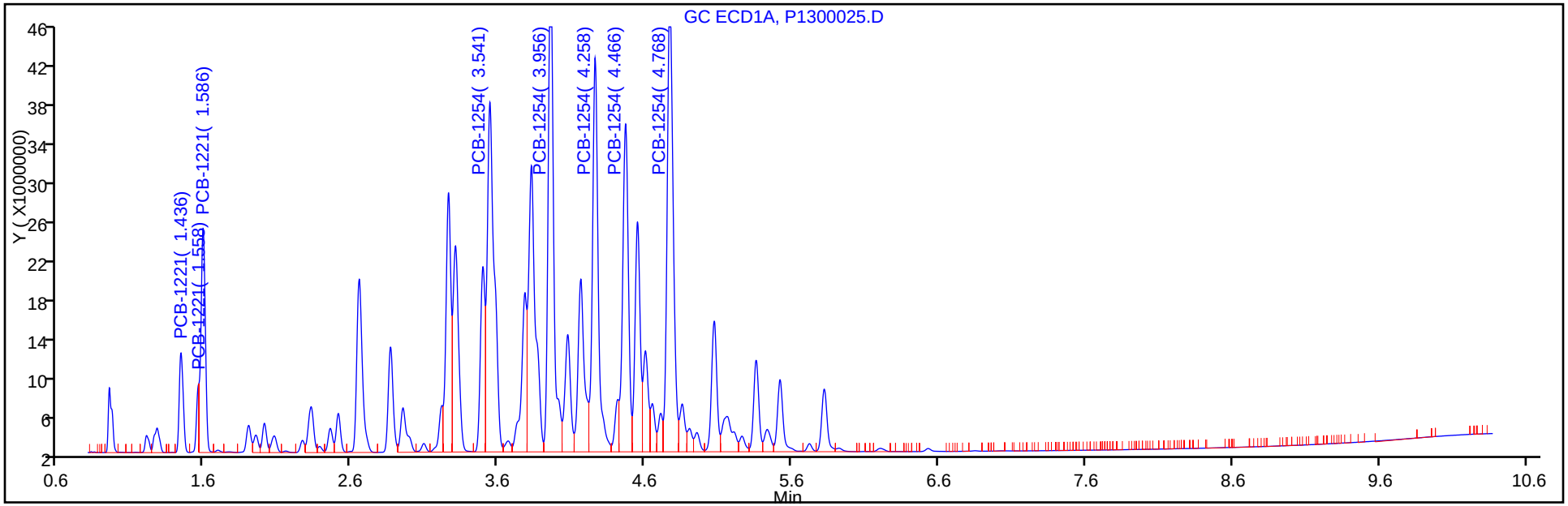
Report Date: 22-Oct-2012 09:18:14 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

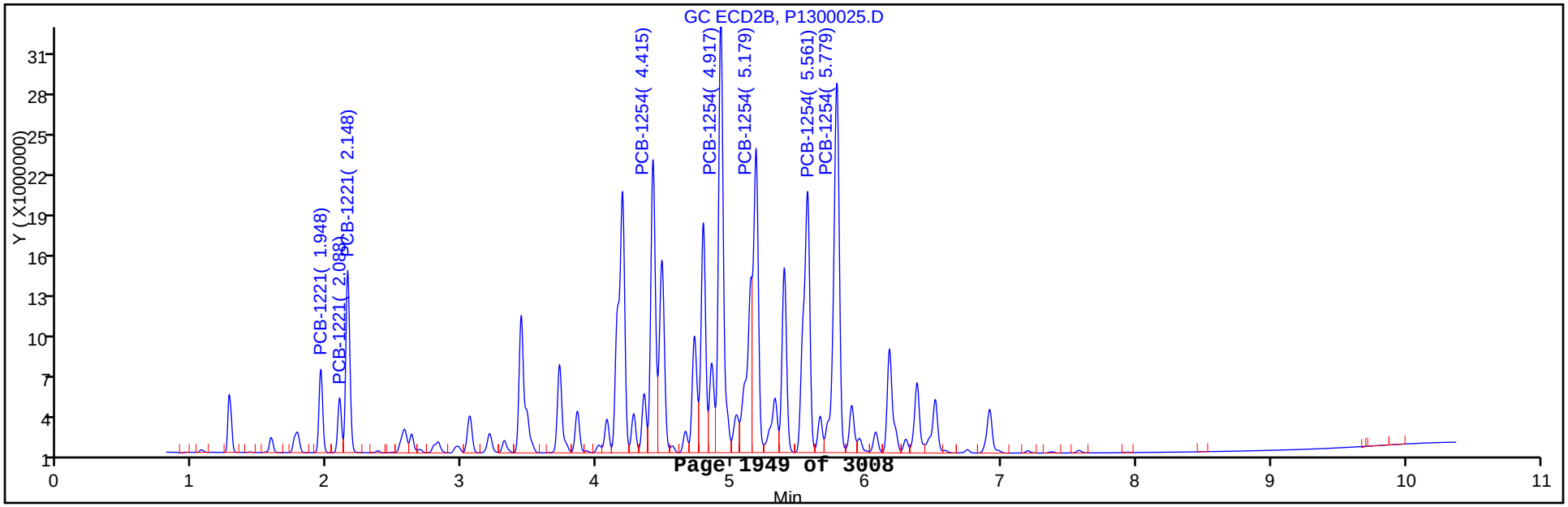
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300025.D

Injection Date:	21-Oct-2012 22:21:34	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



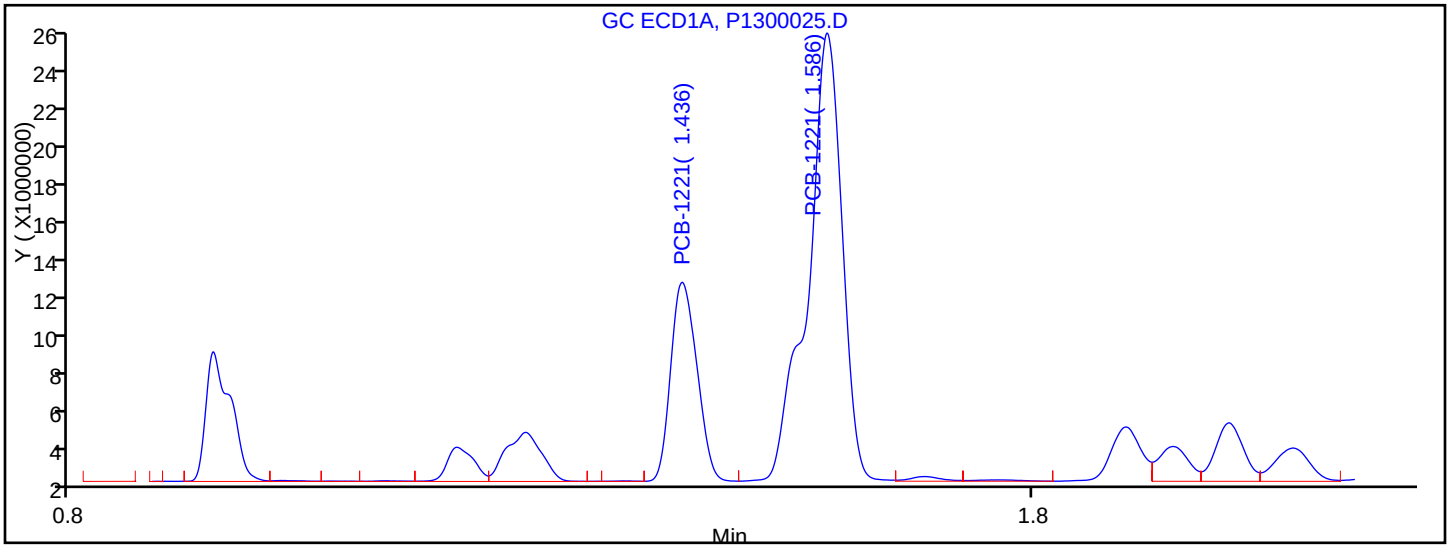
Report Date: 22-Oct-2012 09:18:15 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300025.D

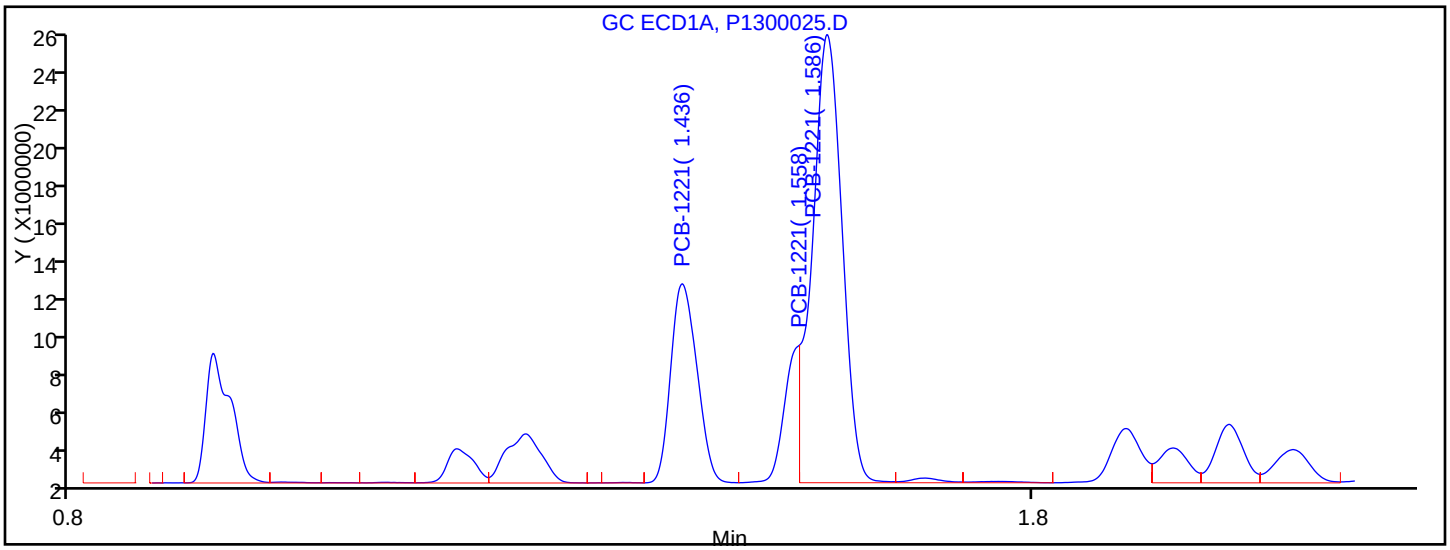
Injection Date:	21-Oct-2012 22:21:34	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.436	Response = 19416966	
RT = 1.586	Response = 0	M
RT = 1.586	Response = 56859802	M



Manual Integration Results

RT = 1.436	Response = 19416966	
RT = 1.558	Response = 7440731	M
RT = 1.586	Response = 49419050	M

Reviewer: hassl, 22-Oct-2012 09:07:43

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300026.D
Lims ID: STD2 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:36:27 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014228-026
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 62068 Lims Sample ID: 26
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:12 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	36752731	1.70		100.0	
1	3	1.555	1.554	0.001	11928209	2.01	25.0- 75.0	32.5	M
1	4	1.587	1.586	0.001	92993540	1.63	233.2- 283.2	253.0	M
			Average of Peak Amounts =			1.78			
2	4	1.948	1.948	0.000	23306725	1.76		100.0	
2	5	2.088	2.088	0.000	14898822	1.70	37.0- 97.0	63.9	
2	6	2.148	2.148	0.000	55006290	1.73	210.7- 270.7	236.0	
			Average of Peak Amounts =			1.73			
						RPD = 2.97			
8 PCB-1254									
1	100	3.541	3.541	0.000	229647270	1.77		100.0	
1	2	3.955	3.956	-0.001	250140664	1.78	82.6- 132.6	108.9	
1	3	4.258	4.259	-0.001	210197993	1.83	64.9- 114.9	91.5	
1	4	4.466	4.467	-0.001	174799795	1.78	49.9- 99.9	76.1	
1	5	4.768	4.768	0.000	255265155	1.81	84.1- 134.1	111.2	
			Average of Peak Amounts =			1.79			
2	6	4.413	4.413	0.000	103997526	1.82		100.0	
2	7	4.917	4.918	-0.001	163223319	1.84	124.0- 184.0	156.9	
2	8	5.178	5.179	-0.001	111493989	1.83	76.3- 136.3	107.2	
2	9	5.561	5.562	-0.001	126925365	1.88	87.0- 147.0	122.0	
2	10	5.779	5.779	0.000	162480349	1.87	121.1- 181.1	156.2	
			Average of Peak Amounts =			1.85			
						RPD = 3.01			

QC Flag Legend

Review Flags
M - Manually Integrated

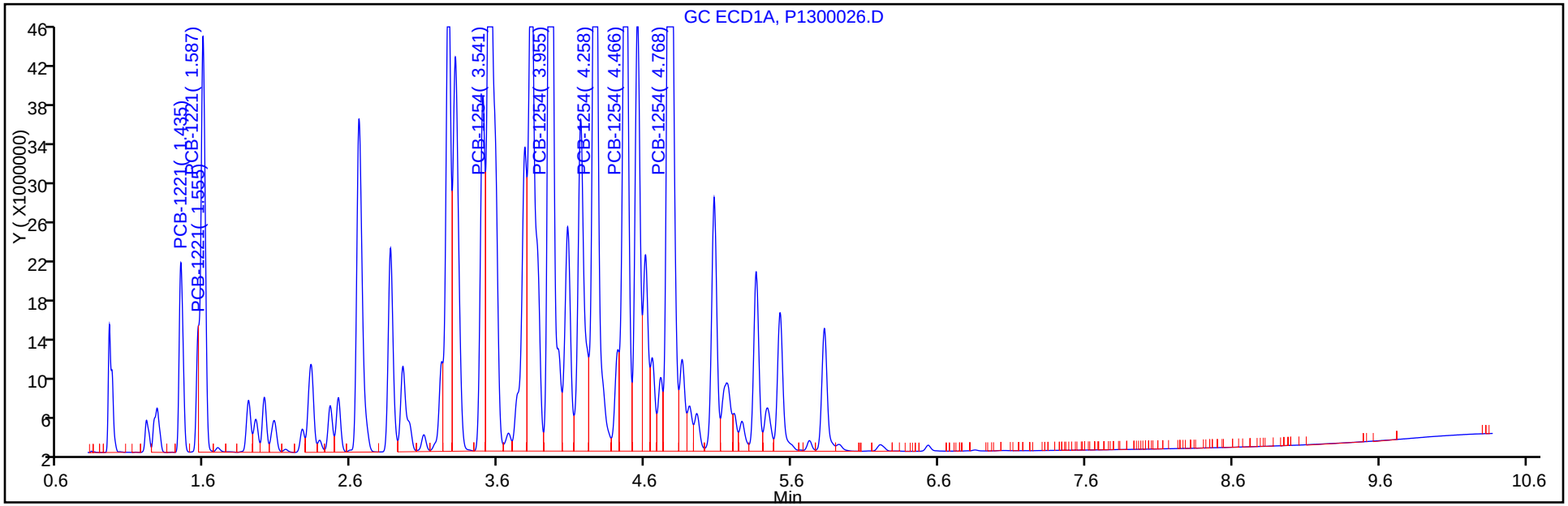
Report Date: 22-Oct-2012 09:18:13 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

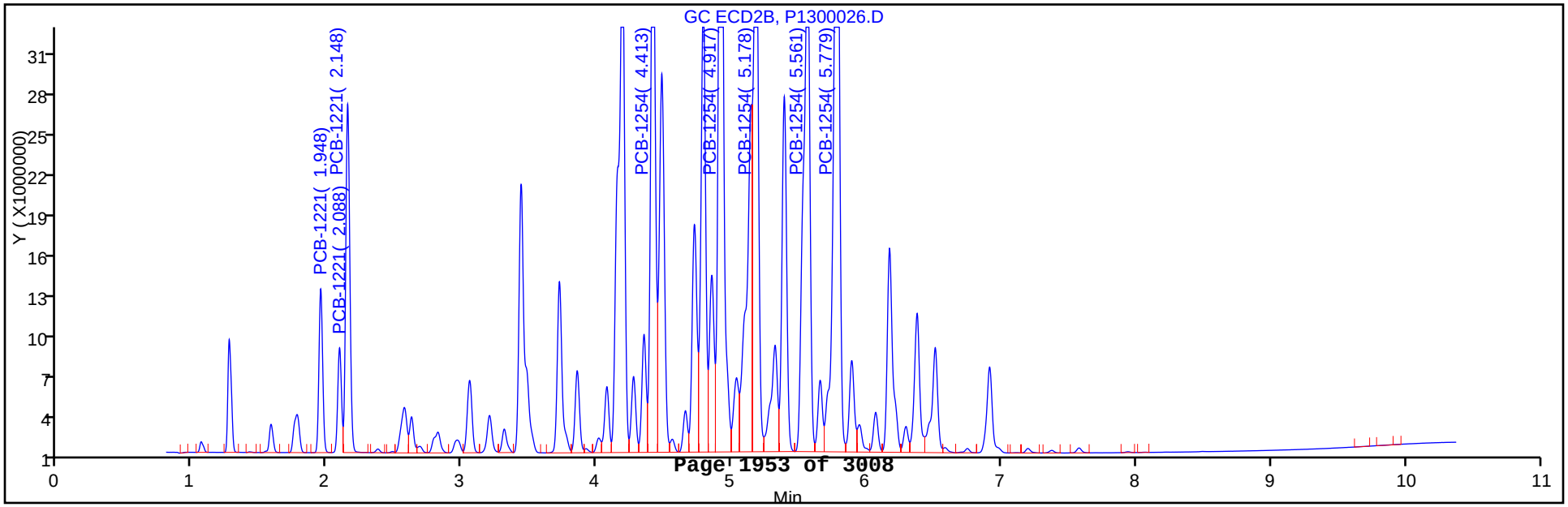
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300026.D

Injection Date:	21-Oct-2012 22:36:27	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



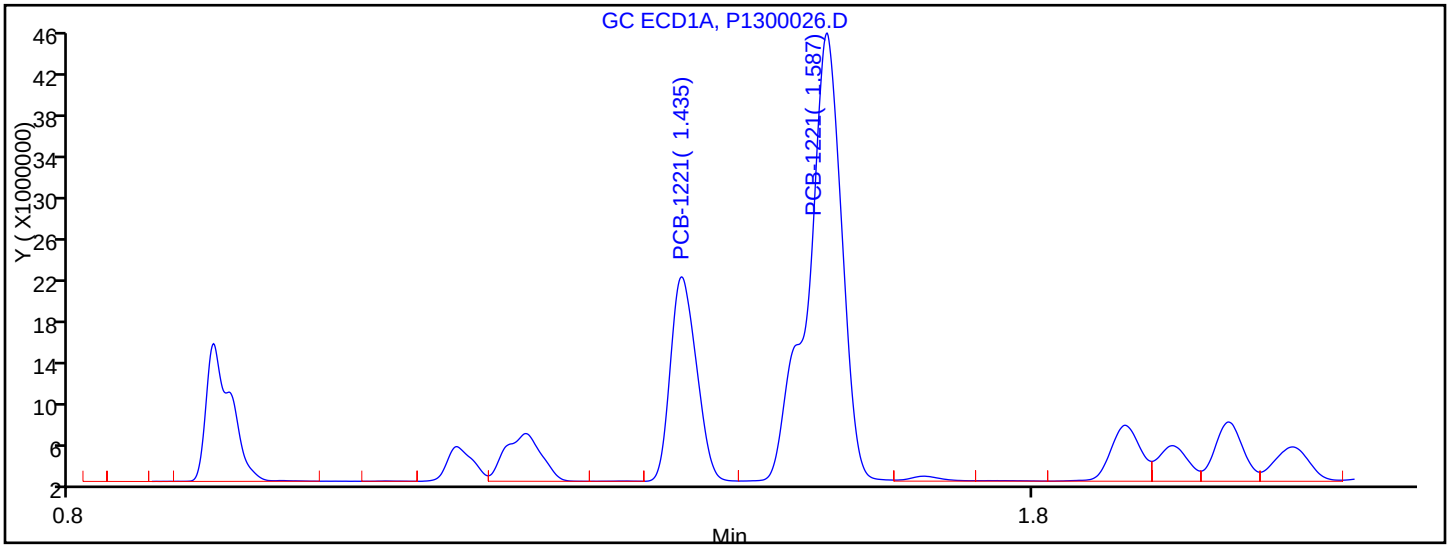
Report Date: 22-Oct-2012 09:18:13 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300026.D

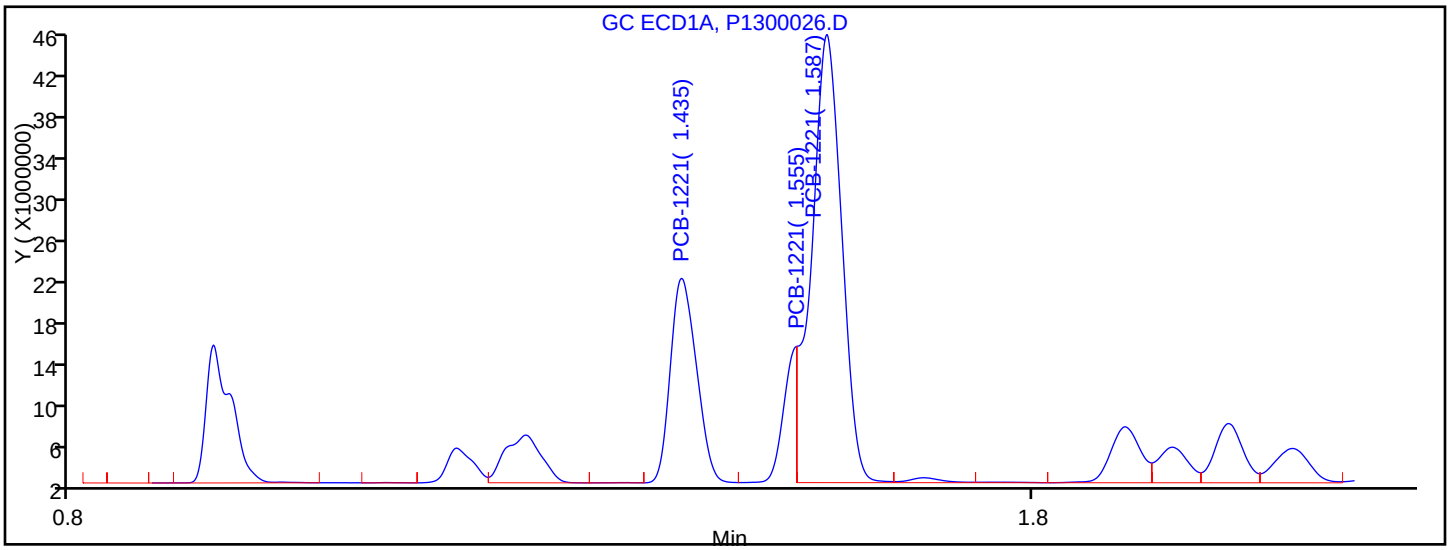
Injection Date:	21-Oct-2012 22:36:27	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 36752731	
RT = 1.586	Response = 0	M
RT = 1.587	Response = 104921716	M



Manual Integration Results

RT = 1.435	Response = 36752731	
RT = 1.555	Response = 11928209	M
RT = 1.587	Response = 92993540	M

Reviewer: hassl, 22-Oct-2012 09:08:15

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12031

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1221 Peak 1	1.948	1.948	1.947	1.948	1.948	1.948					1.898 - 1.998	1.948
PCB-1221 Peak 2	2.088	2.088	2.087	2.088	2.088	2.088					2.038 - 2.138	2.088
PCB-1221 Peak 3	2.148	2.149	2.147	2.148	2.148	2.148					2.098 - 2.198	2.148
PCB-1254 Peak 1	4.413	4.414	4.414	4.414	4.415	4.413					4.363 - 4.463	4.414
PCB-1254 Peak 2	4.918	4.918	4.917	4.919	4.917	4.917					4.868 - 4.968	4.918
PCB-1254 Peak 3	5.179	5.179	5.177	5.179	5.179	5.178					5.129 - 5.229	5.179
PCB-1254 Peak 4	5.562	5.560	5.560	5.561	5.561	5.561					5.512 - 5.612	5.561
PCB-1254 Peak 5	5.779	5.779	5.778	5.779	5.779	5.779					5.729 - 5.829	5.779

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12031

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	15357720 11957868	14500650 11653363	13349060	12661288	Ave		13246658.1				11.0		20.0			
PCB-1221 Peak 2	10523600 7792949	9671990 7449411	8940755	8335382	Ave		8785681.17				13.0		20.0			
PCB-1221 Peak 3	37866580 28432724	34531820 27503145	32128485	30174232	Ave		31772831.0				12.0		20.0			
PCB-1254 Peak 1	65440920 52966523	60836730 51998763	57387095	54982744	Ave		57268795.8				8.9		20.0			
PCB-1254 Peak 2	99916280 83028670	92837360 81611660	88380105	86213792	Ave		88664644.4				7.7		20.0			
PCB-1254 Peak 3	69679640 58426984	60369860 55746995	60975235	59583116	Ave		60796971.6				7.8		20.0			
PCB-1254 Peak 4	74377660 64281415	70485230 63462682	67153385	65584262	Ave		67557439.1				6.2		20.0			
PCB-1254 Peak 5	93362260 82957319	91113730 81240175	86718860	85554216	Ave		86824426.6				5.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 21:21 Calibration End Date: 10/21/2012 22:36 Calibration ID: 12031

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/21	P1300021.D
Level 2	STD01 240-62068/22	P1300022.D
Level 3	STD02 240-62068/23	P1300023.D
Level 4	STD05 240-62068/24	P1300024.D
Level 5	STD1 240-62068/25	P1300025.D
Level 6	STD2 240-62068/26	P1300026.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	767886 23306725	1450065	2669812	6330644	11957868	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	Ave	526180 14898822	967199	1788151	4167691	7792949	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	Ave	1893329 55006290	3453182	6425697	15087116	28432724	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	Ave	3272046 103997526	6083673	11477419	27491372	52966523	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	Ave	4995814 163223319	9283736	17676021	43106896	83028670	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	Ave	3483982 111493989	6036986	12195047	29791558	58426984	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	Ave	3718883 126925365	7048523	13430677	32792131	64281415	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	Ave	4668113 162480349	9111373	17343772	42777108	82957319	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300021.D
Lims ID: STD005 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:21:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014228-021
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 62068 Lims Sample ID: 21
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:20 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:04:40

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	1263825	0.0585		100.0	
1	3	1.554	1.554	0.000	525324	0.0396	25.0- 75.0	41.6	M
1	4	1.586	1.586	0.000	3475288	0.0610	233.2- 283.2	275.0	M
			Average of Peak Amounts =			0.0530			
2	4	1.948	1.948	0.000	767886	0.0580		100.0	
2	5	2.088	2.088	0.000	526180	0.0599	37.0- 97.0	68.5	
2	6	2.148	2.148	0.000	1893329	0.0596	210.7- 270.7	246.6	
			Average of Peak Amounts =			0.0591			
						RPD = 10.91			
8 PCB-1254									
1	100	3.541	3.541	0.000	7791640	0.0600		100.0	
1	2	3.956	3.956	0.000	8272822	0.0588	82.6- 132.6	106.2	
1	3	4.259	4.259	0.000	6662861	0.0582	64.9- 114.9	85.5	
1	4	4.467	4.467	0.000	5609423	0.0571	49.9- 99.9	72.0	
1	5	4.768	4.768	0.000	8113434	0.0574	84.1- 134.1	104.1	
			Average of Peak Amounts =			0.0583			
2	6	4.413	4.413	0.000	3272046	0.0571		100.0	
2	7	4.918	4.918	0.000	4995814	0.0563	124.0- 184.0	152.7	
2	8	5.179	5.179	0.000	3483982	0.0573	76.3- 136.3	106.5	
2	9	5.562	5.562	0.000	3718883	0.0550	87.0- 147.0	113.7	
2	10	5.779	5.779	0.000	4668113	0.0538	121.1- 181.1	142.7	
			Average of Peak Amounts =			0.0559			
						RPD = 4.16			

QC Flag Legend

Review Flags
M - Manually Integrated

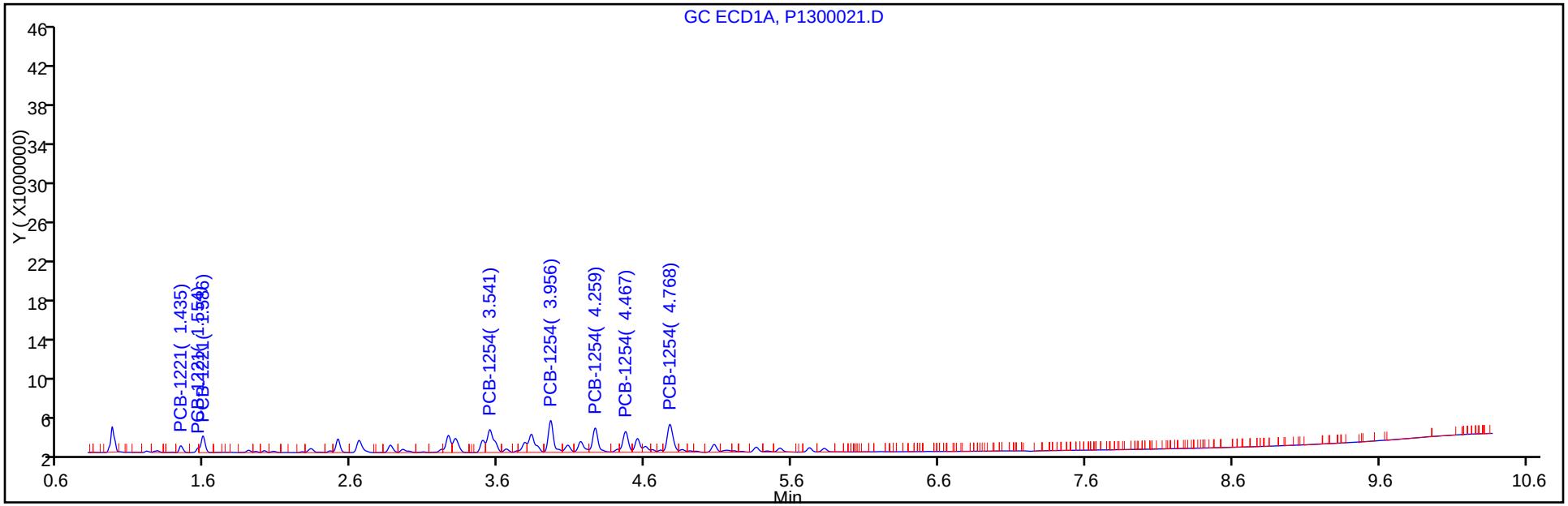
Report Date: 22-Oct-2012 09:18:21 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

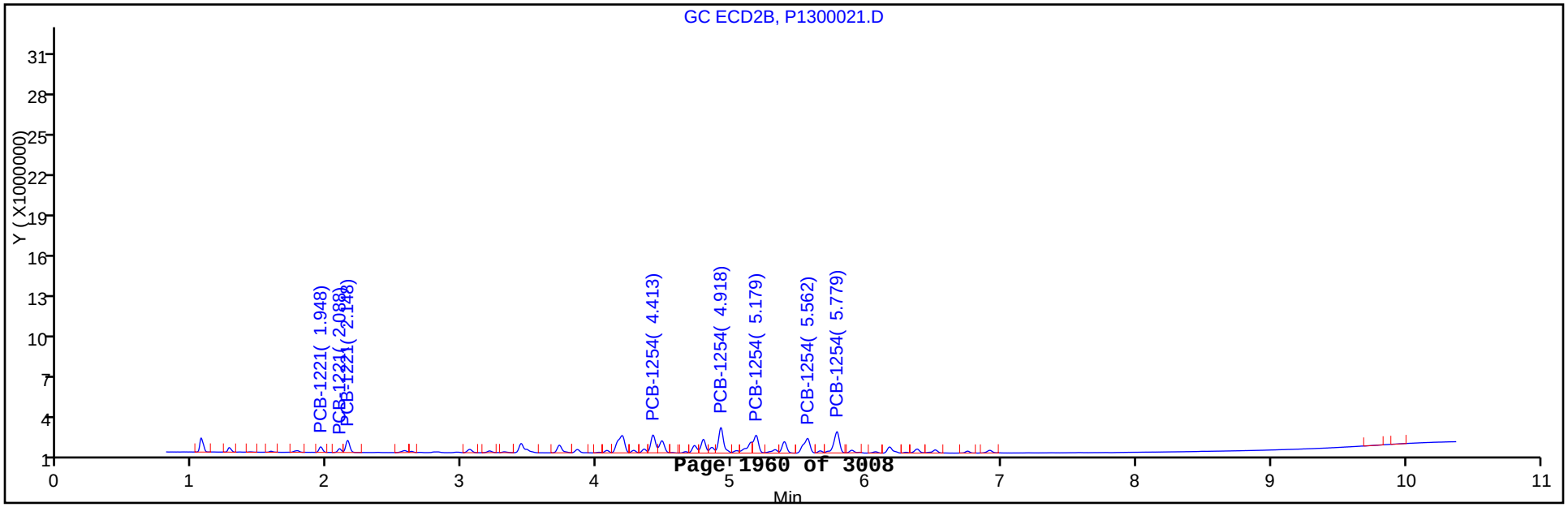
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300021.D

Injection Date:	21-Oct-2012 21:21:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	21
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D
Lims ID: STD01 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:36:53 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014228-022
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 62068 Lims Sample ID: 22
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:18 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:05:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	2358951	0.1092		100.0	
1	3	1.554	1.554	0.000	839041	0.0753	25.0- 75.0	35.6	M
1	4	1.587	1.586	0.001	6555686	0.1150	233.2- 283.2	277.9	M
			Average of Peak Amounts =			0.0998			
2	4	1.948	1.948	0.000	1450065	0.1095		100.0	
2	5	2.088	2.088	0.000	967199	0.1101	37.0- 97.0	66.7	
2	6	2.149	2.148	0.001	3453182	0.1087	210.7- 270.7	238.1	
			Average of Peak Amounts =			0.1094			
						RPD = 9.17			
8 PCB-1254									M
1	100	3.541	3.541	0.000	12364440	0.0952		100.0	
1	2	3.956	3.956	0.000	13618696	0.0969	82.6- 132.6	110.1	
1	3	4.260	4.259	0.001	10085759	0.0880	64.9- 114.9	81.6	
1	4	4.468	4.467	0.001	9876544	0.1005	49.9- 99.9	79.9	
1	5	4.770	4.768	0.002	13328494	0.0943	84.1- 134.1	107.8	
			Average of Peak Amounts =			0.0950			
2	6	4.414	4.413	0.001	6083673	0.1062		100.0	
2	7	4.918	4.918	0.000	9283736	0.1047	124.0- 184.0	152.6	
2	8	5.179	5.179	0.000	6036986	0.0993	76.3- 136.3	99.2	M
2	9	5.560	5.562	-0.002	7048523	0.1043	87.0- 147.0	115.9	
2	10	5.779	5.779	0.000	9111373	0.1049	121.1- 181.1	149.8	
			Average of Peak Amounts =			0.1039			
						RPD = 8.97			

QC Flag Legend

Review Flags
M - Manually Integrated

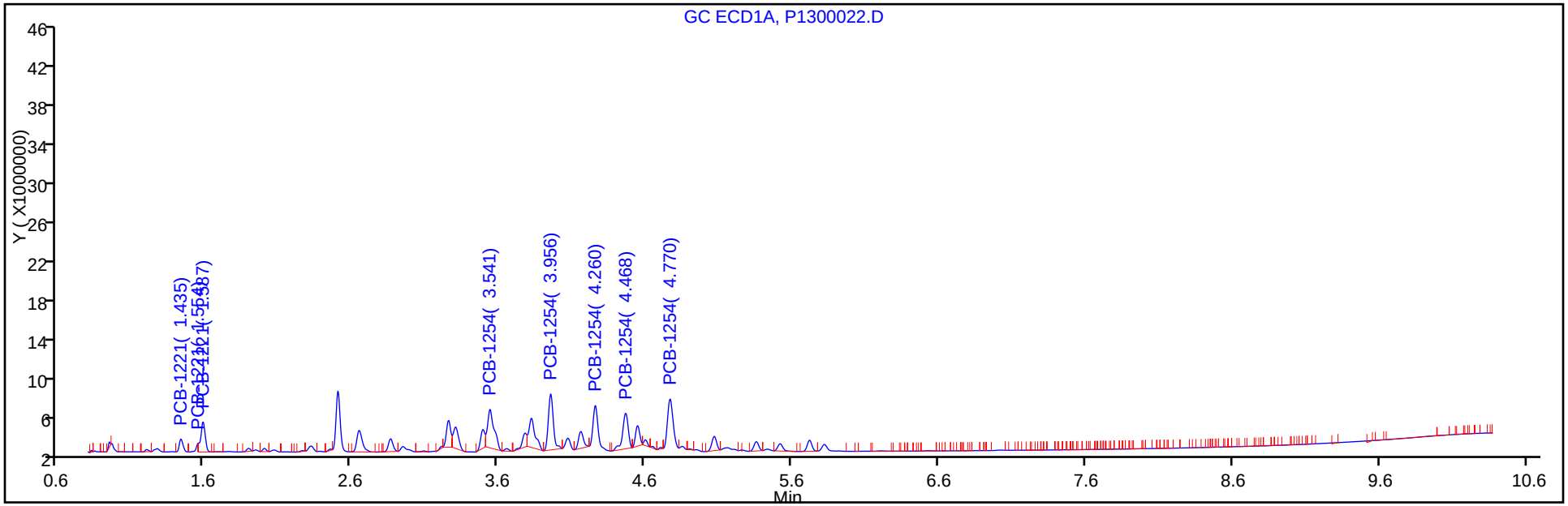
Report Date: 22-Oct-2012 09:18:19 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

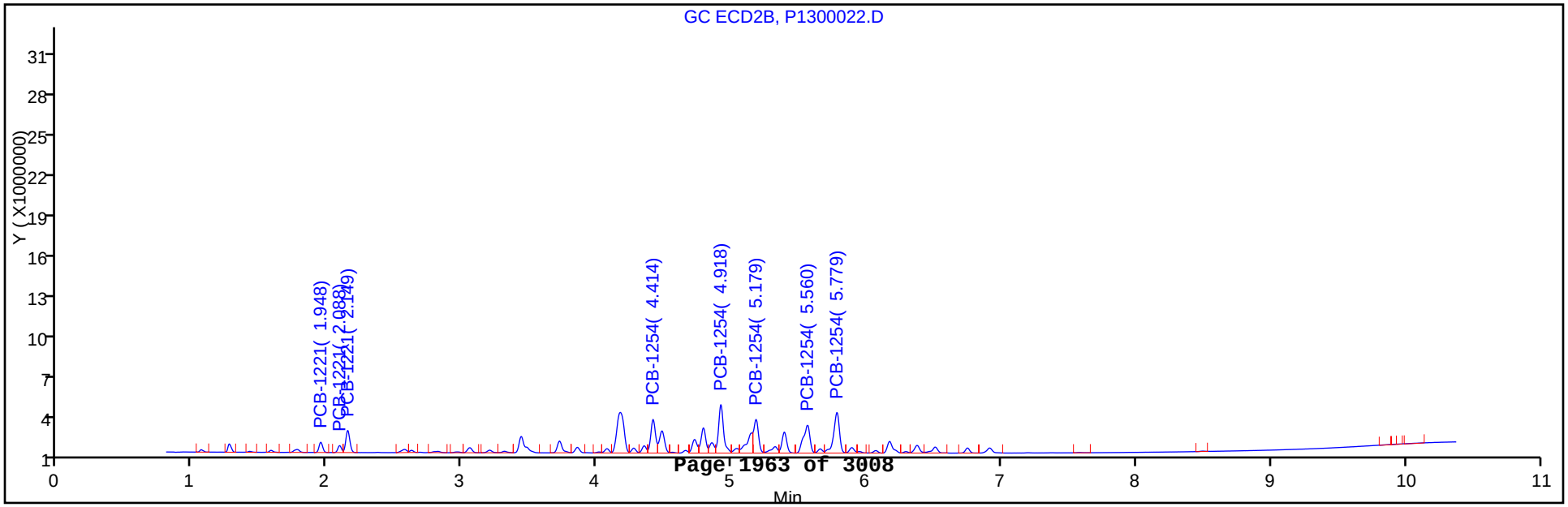
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D

Injection Date:	21-Oct-2012 21:36:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



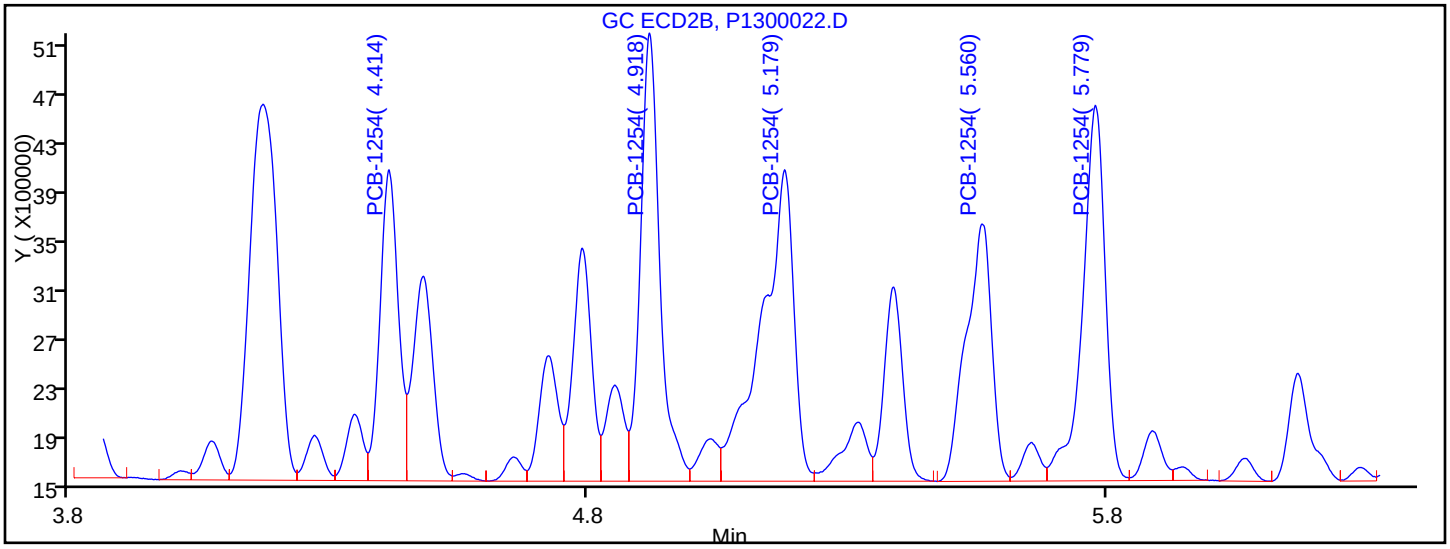
Report Date: 22-Oct-2012 09:18:20 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300022.D

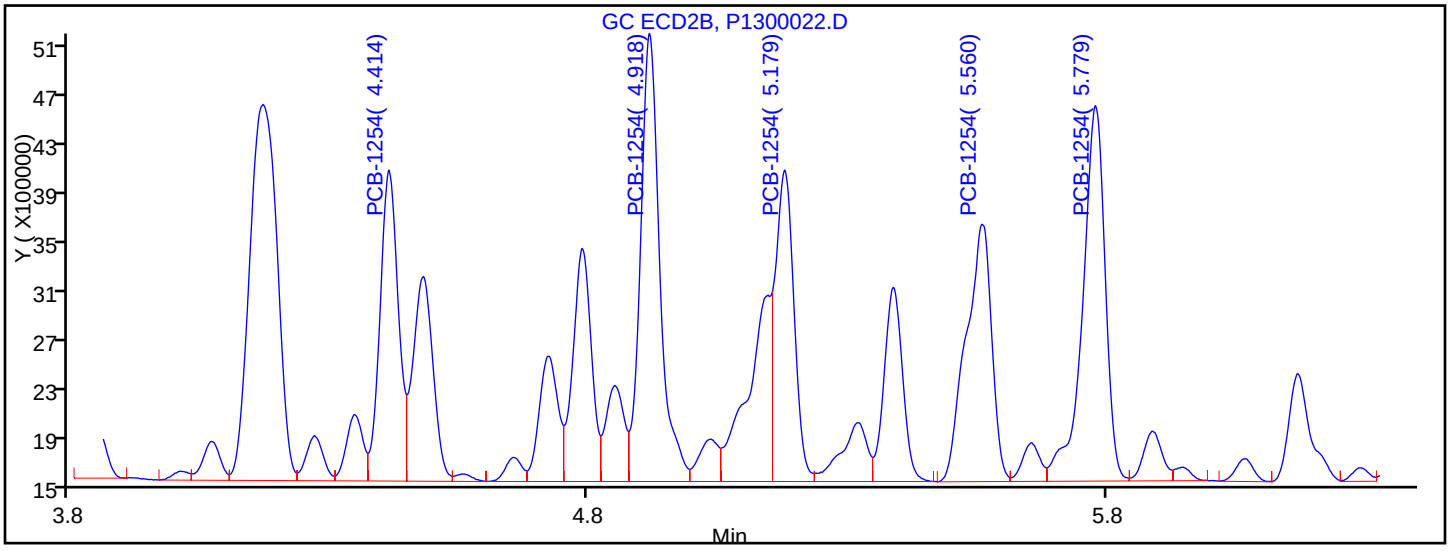
Injection Date:	21-Oct-2012 21:36:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 PCB-1254, Detector: 2, GC ecd2b



Processing Integration Results

RT = 4.414	Response = 6083673	
RT = 4.918	Response = 9283736	
RT = 5.179	Response = 10865303	M
RT = 5.560	Response = 7048523	
RT = 5.779	Response = 9111373	



Manual Integration Results

RT = 4.414	Response = 6083673	
RT = 4.918	Response = 9283736	
RT = 5.179	Response = 6036986	M
RT = 5.560	Response = 7048523	
RT = 5.779	Response = 9111373	

Reviewer: hassl, 22-Oct-2012 09:05:12

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D
Lims ID: STD02 AR2154 Client ID:
Inject. Date: 21-Oct-2012 21:51:47 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014228-023
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 62068 Lims Sample ID: 23
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:17 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:05:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	4429217	0.2050		100.0	
1	3	1.555	1.554	0.001	2214538	0.2371	25.0- 75.0	50.0	M
1	4	1.586	1.586	0.000	11437477	0.2007	233.2- 283.2	258.2	M
			Average of Peak Amounts =			0.2143			
2	4	1.947	1.948	-0.001	2669812	0.2015		100.0	
2	5	2.087	2.088	-0.001	1788151	0.2035	37.0- 97.0	67.0	
2	6	2.147	2.148	-0.001	6425697	0.2022	210.7- 270.7	240.7	
			Average of Peak Amounts =			0.2024			
						RPD = 5.67			
8 PCB-1254									M
1	100	3.541	3.541	0.000	27104495	0.2087		100.0	
1	2	3.955	3.956	-0.001	29165381	0.2074	82.6- 132.6	107.6	
1	3	4.259	4.259	0.000	24377005	0.2128	64.9- 114.9	89.9	
1	4	4.466	4.467	-0.001	20301068	0.2066	49.9- 99.9	74.9	
1	5	4.767	4.768	-0.001	29571702	0.2093	84.1- 134.1	109.1	
			Average of Peak Amounts =			0.2089			
2	6	4.414	4.413	0.001	11477419	0.2004		100.0	
2	7	4.917	4.918	-0.001	17676021	0.1994	124.0- 184.0	154.0	
2	8	5.177	5.179	-0.002	12195047	0.2006	76.3- 136.3	106.3	M
2	9	5.560	5.562	-0.002	13430677	0.1988	87.0- 147.0	117.0	
2	10	5.778	5.779	-0.001	17343772	0.1998	121.1- 181.1	151.1	
			Average of Peak Amounts =			0.1998			
						RPD = 4.48			

QC Flag Legend

Review Flags
M - Manually Integrated

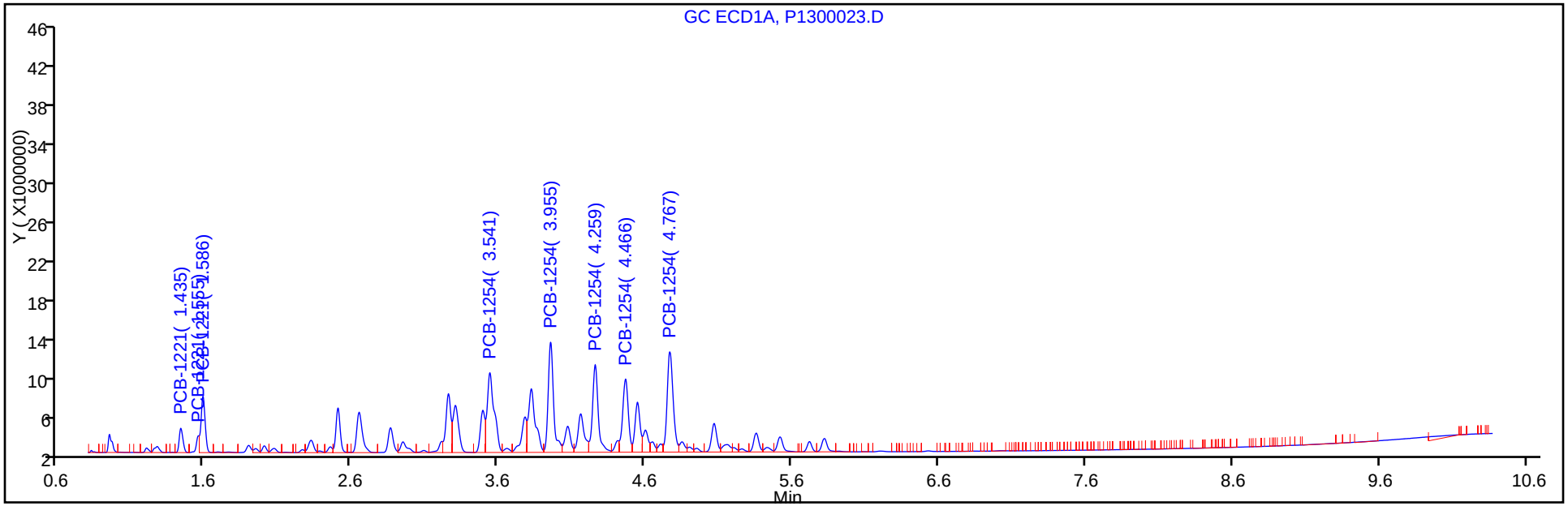
Report Date: 22-Oct-2012 09:18:18 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

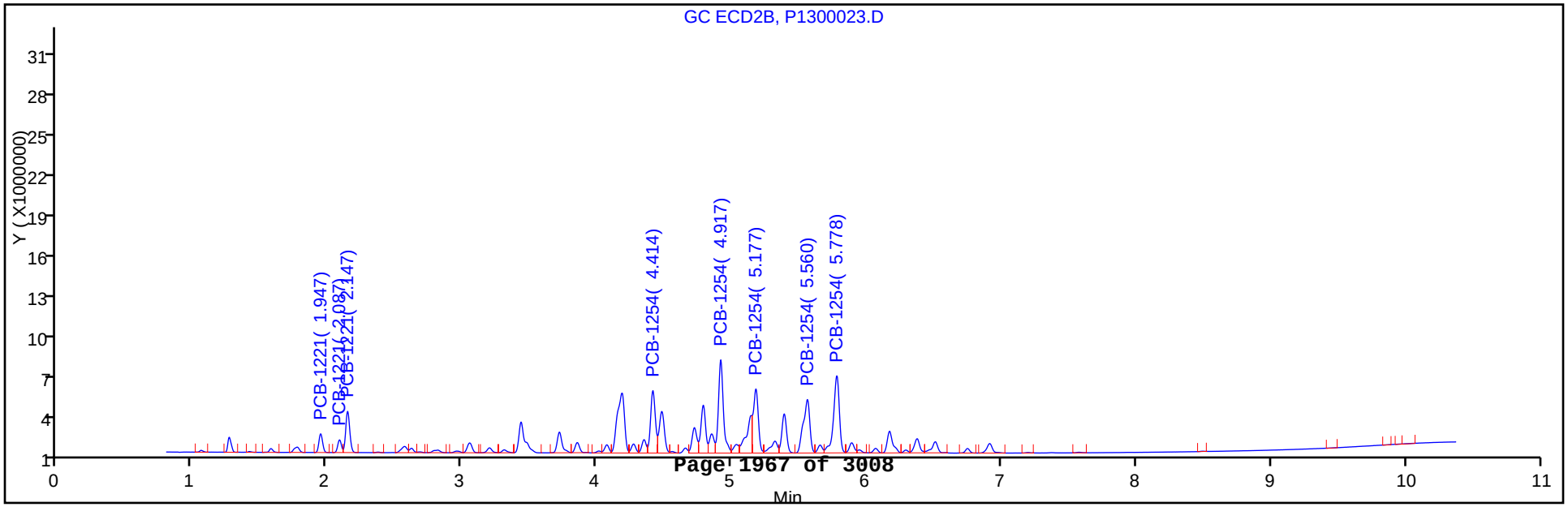
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D

Injection Date:	21-Oct-2012 21:51:47	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



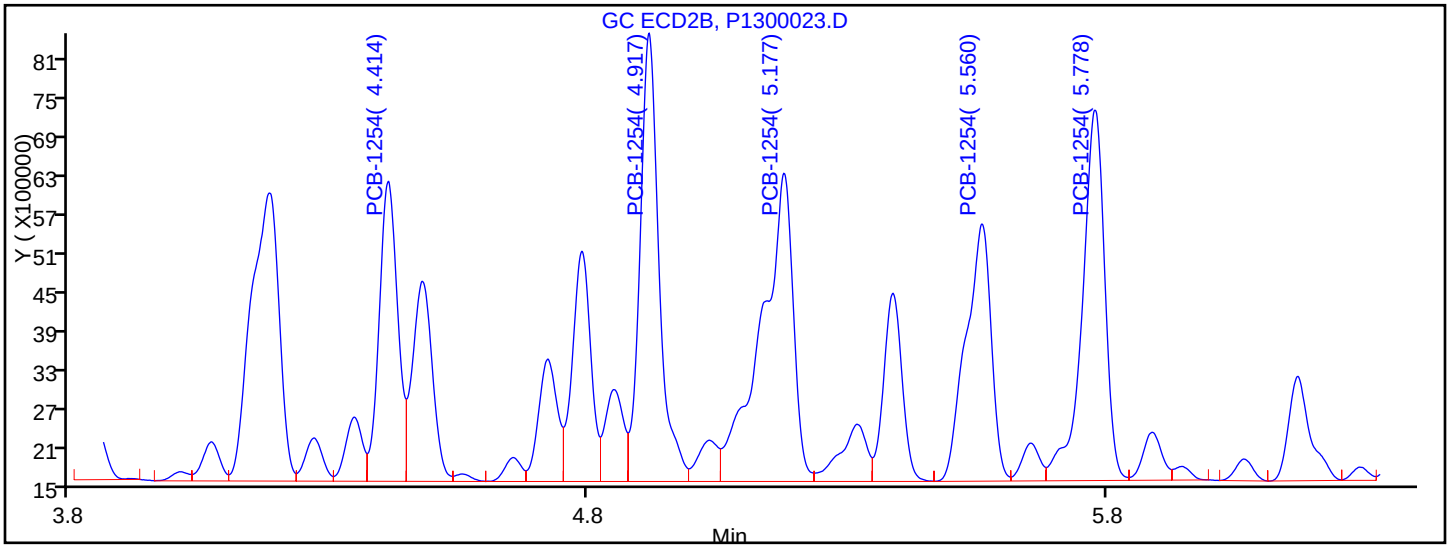
Report Date: 22-Oct-2012 09:18:18 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300023.D

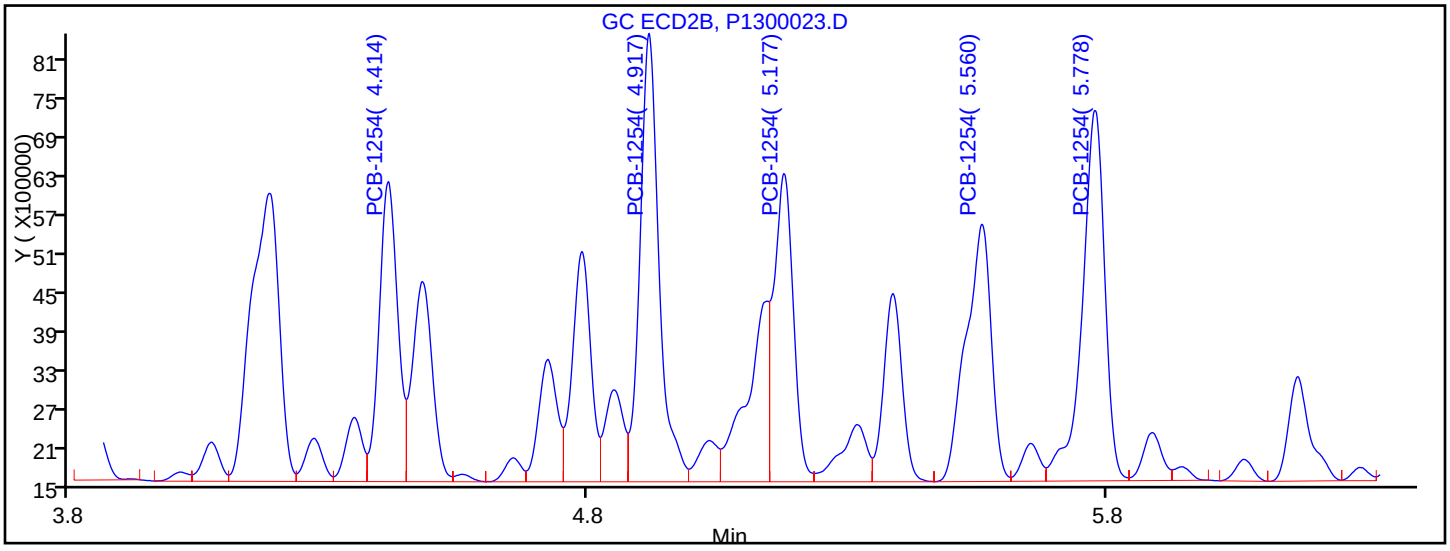
Injection Date:	21-Oct-2012 21:51:47	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

8 PCB-1254, Detector: 2, GC ecd2b



Processing Integration Results

RT = 4.414	Response = 11477419	
RT = 4.917	Response = 17676021	
RT = 5.177	Response = 20475786	M
RT = 5.560	Response = 13430677	
RT = 5.778	Response = 17343772	



Manual Integration Results

RT = 4.414	Response = 11477419	
RT = 4.917	Response = 17676021	
RT = 5.177	Response = 12195047	M
RT = 5.560	Response = 13430677	
RT = 5.778	Response = 17343772	

Reviewer: hassl, 22-Oct-2012 09:05:56

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300024.D
Lims ID: STD05 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:06:41 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014228-024
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 62068 Lims Sample ID: 24
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:15 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:07:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	10429868	0.4826		100.0	
1	3	1.559	1.554	0.005	4399813	0.5170	25.0- 75.0	42.2	M
1	4	1.587	1.586	0.001	26890493	0.4718	233.2- 283.2	257.8	M
			Average of Peak Amounts =			0.4905			
2	4	1.948	1.948	0.000	6330644	0.4779		100.0	
2	5	2.088	2.088	0.000	4167691	0.4744	37.0- 97.0	65.8	
2	6	2.148	2.148	0.000	15087116	0.4748	210.7- 270.7	238.3	
			Average of Peak Amounts =			0.4757			
						RPD = 3.06			
8 PCB-1254									
1	100	3.542	3.541	0.001	64370551	0.4957		100.0	
1	2	3.956	3.956	0.000	69720842	0.4959	82.6- 132.6	108.3	
1	3	4.260	4.259	0.001	57910295	0.5054	64.9- 114.9	90.0	
1	4	4.467	4.467	0.000	48777658	0.4963	49.9- 99.9	75.8	
1	5	4.769	4.768	0.001	71037028	0.5027	84.1- 134.1	110.4	
			Average of Peak Amounts =			0.4992			
2	6	4.414	4.413	0.001	27491372	0.4800		100.0	
2	7	4.919	4.918	0.001	43106896	0.4862	124.0- 184.0	156.8	
2	8	5.179	5.179	0.000	29791558	0.4900	76.3- 136.3	108.4	
2	9	5.561	5.562	-0.001	32792131	0.4854	87.0- 147.0	119.3	
2	10	5.779	5.779	0.000	42777108	0.4927	121.1- 181.1	155.6	
			Average of Peak Amounts =			0.4869			
						RPD = 2.50			

QC Flag Legend

Review Flags
M - Manually Integrated

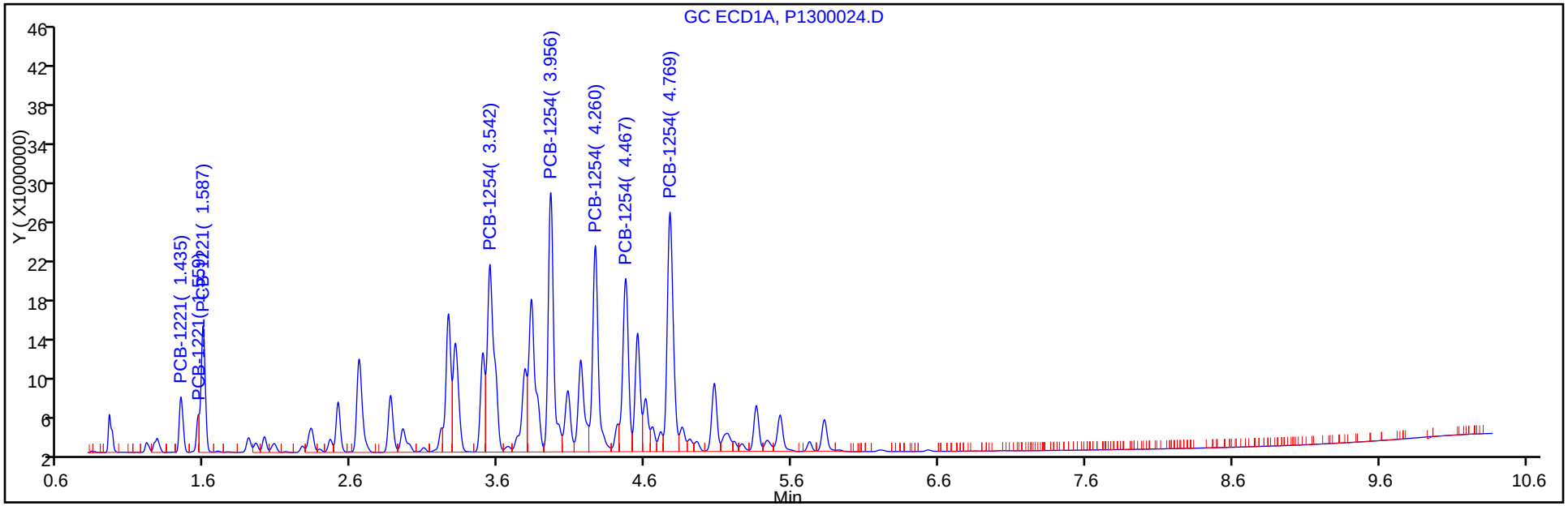
Report Date: 22-Oct-2012 09:18:16 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

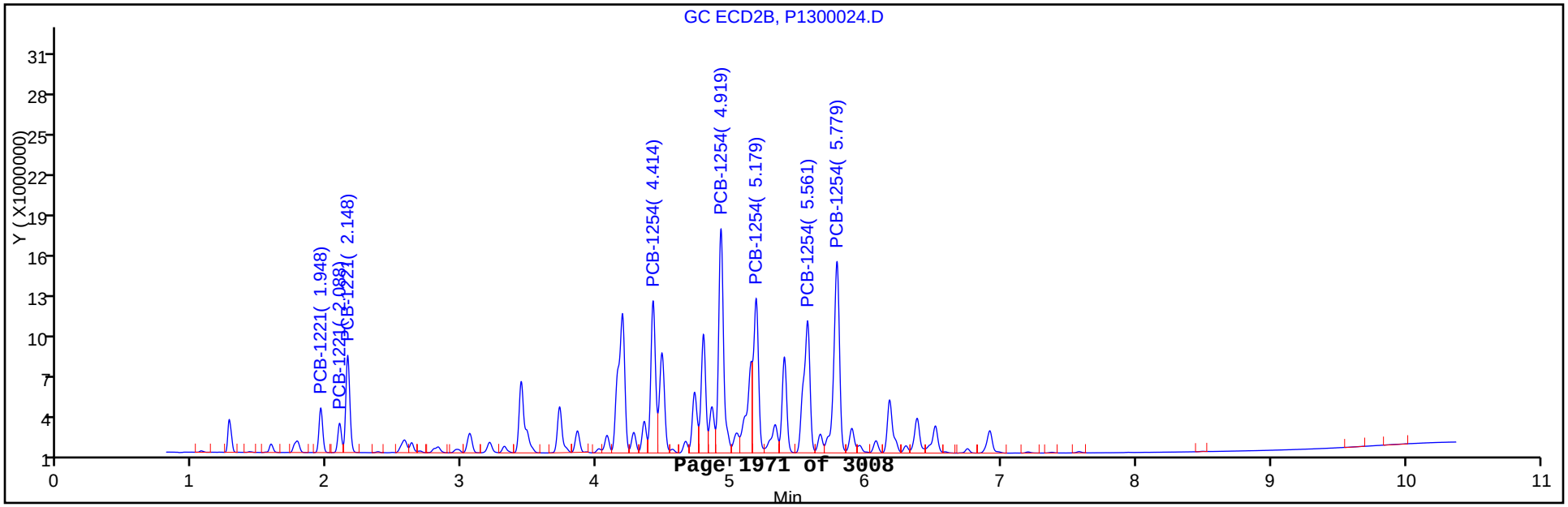
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300024.D

Injection Date:	21-Oct-2012 22:06:41	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300025.D
Lims ID: STD1 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:21:34 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014228-025
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 62068 Lims Sample ID: 25
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:14 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:07:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.436	1.435	0.001	19416966	0.8985		100.0	
1	3	1.558	1.554	0.004	7440731	0.9737	25.0- 75.0	38.3	M
1	4	1.586	1.586	0.000	49419050	0.8671	233.2- 283.2	254.5	M
			Average of Peak Amounts =			0.9131			
2	4	1.948	1.948	0.000	11957868	0.9027		100.0	
2	5	2.088	2.088	0.000	7792949	0.8870	37.0- 97.0	65.2	
2	6	2.148	2.148	0.000	28432724	0.8949	210.7- 270.7	237.8	
			Average of Peak Amounts =			0.8949			
						RPD = 2.02			
8 PCB-1254									
1	100	3.541	3.541	0.000	120561612	0.9284		100.0	
1	2	3.956	3.956	0.000	131664859	0.9364	82.6- 132.6	109.2	
1	3	4.258	4.259	-0.001	110520159	0.9646	64.9- 114.9	91.7	
1	4	4.466	4.467	-0.001	92256552	0.9387	49.9- 99.9	76.5	
1	5	4.768	4.768	0.000	134779062	0.9537	84.1- 134.1	111.8	
			Average of Peak Amounts =			0.9444			
2	6	4.415	4.413	0.002	52966523	0.9249		100.0	
2	7	4.917	4.918	-0.001	83028670	0.9364	124.0- 184.0	156.8	
2	8	5.179	5.179	0.000	58426984	0.9610	76.3- 136.3	110.3	
2	9	5.561	5.562	-0.001	64281415	0.9515	87.0- 147.0	121.4	
2	10	5.779	5.779	0.000	82957319	0.9555	121.1- 181.1	156.6	
			Average of Peak Amounts =			0.9459			
						RPD = 0.16			

QC Flag Legend

Review Flags
M - Manually Integrated

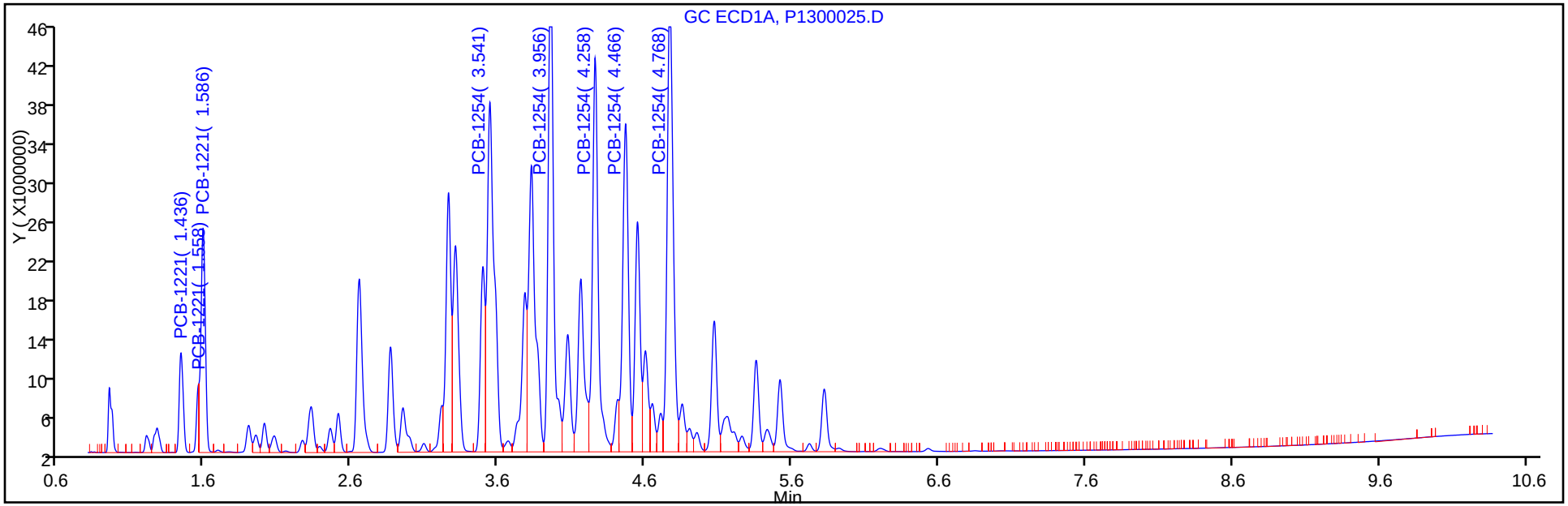
Report Date: 22-Oct-2012 09:18:15 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

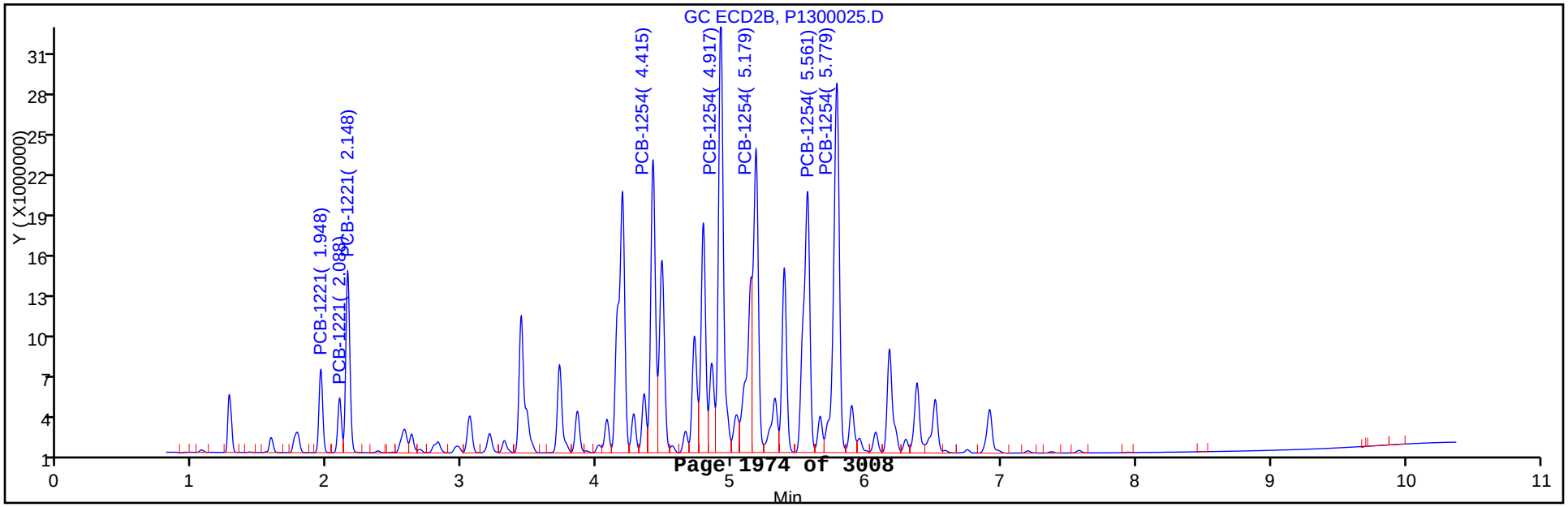
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300025.D

Injection Date:	21-Oct-2012 22:21:34	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300026.D
Lims ID: STD2 AR2154 Client ID:
Inject. Date: 21-Oct-2012 22:36:27 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014228-026
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 62068 Lims Sample ID: 26
Sublist: chrom-PCB13*sub6
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:18:12 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	36752731	1.70		100.0	
1	3	1.555	1.554	0.001	11928209	2.01	25.0- 75.0	32.5	M
1	4	1.587	1.586	0.001	92993540	1.63	233.2- 283.2	253.0	M
			Average of Peak Amounts =			1.78			
2	4	1.948	1.948	0.000	23306725	1.76		100.0	
2	5	2.088	2.088	0.000	14898822	1.70	37.0- 97.0	63.9	
2	6	2.148	2.148	0.000	55006290	1.73	210.7- 270.7	236.0	
			Average of Peak Amounts =			1.73			
						RPD = 2.97			
8 PCB-1254									
1	100	3.541	3.541	0.000	229647270	1.77		100.0	
1	2	3.955	3.956	-0.001	250140664	1.78	82.6- 132.6	108.9	
1	3	4.258	4.259	-0.001	210197993	1.83	64.9- 114.9	91.5	
1	4	4.466	4.467	-0.001	174799795	1.78	49.9- 99.9	76.1	
1	5	4.768	4.768	0.000	255265155	1.81	84.1- 134.1	111.2	
			Average of Peak Amounts =			1.79			
2	6	4.413	4.413	0.000	103997526	1.82		100.0	
2	7	4.917	4.918	-0.001	163223319	1.84	124.0- 184.0	156.9	
2	8	5.178	5.179	-0.001	111493989	1.83	76.3- 136.3	107.2	
2	9	5.561	5.562	-0.001	126925365	1.88	87.0- 147.0	122.0	
2	10	5.779	5.779	0.000	162480349	1.87	121.1- 181.1	156.2	
			Average of Peak Amounts =			1.85			
						RPD = 3.01			

QC Flag Legend

Review Flags
M - Manually Integrated

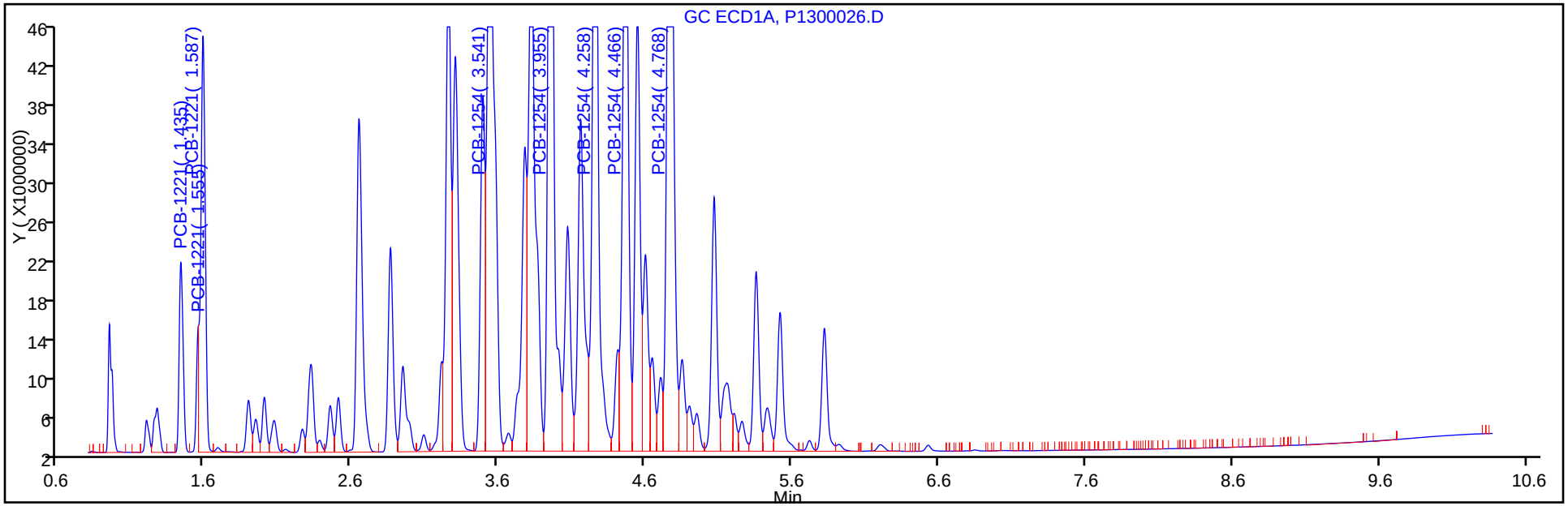
Report Date: 22-Oct-2012 09:18:13 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

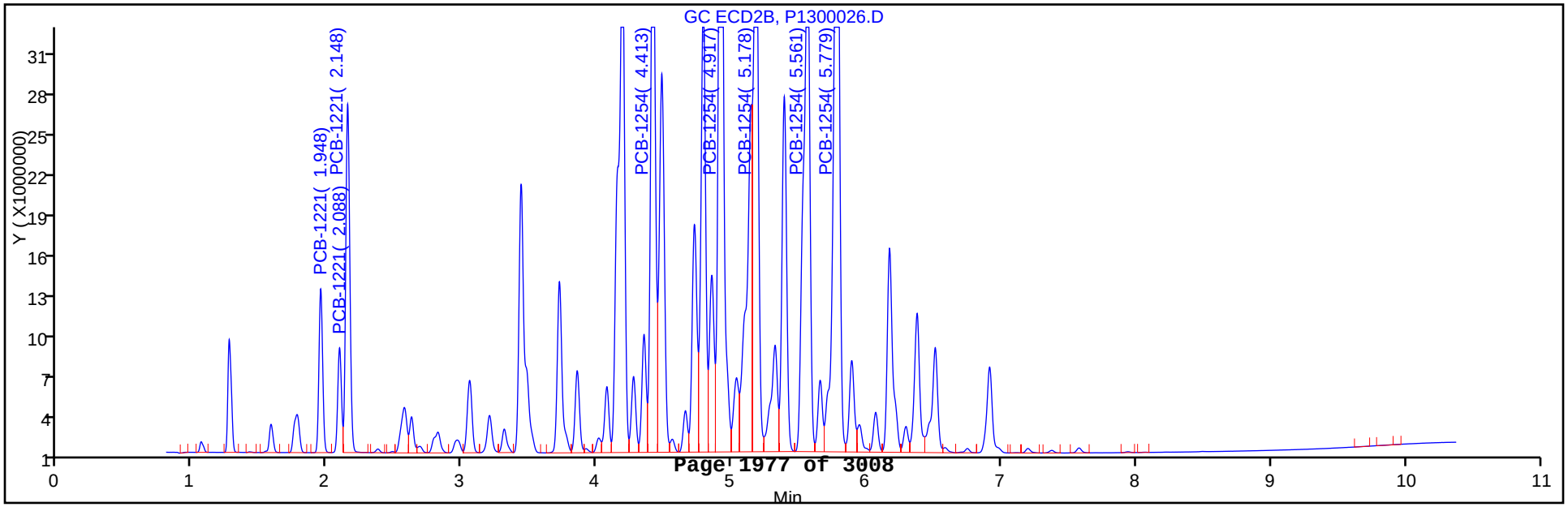
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300026.D

Injection Date:	21-Oct-2012 22:36:27	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	1.587	1.587	1.587	1.587	1.588	1.586					1.537 - 1.637	1.587
PCB-1016 Peak 2	1.896	1.897	1.896	1.896	1.897	1.895					1.846 - 1.946	1.896
PCB-1016 Peak 3	2.322	2.322	2.322	2.323	2.323	2.322					2.273 - 2.373	2.322
PCB-1016 Peak 4	2.453	2.453	2.453	2.453	2.454	2.452					2.403 - 2.503	2.453
PCB-1016 Peak 5	2.866	2.867	2.867	2.867	2.868	2.867					2.817 - 2.917	2.867
PCB-1260 Peak 1	4.159	4.161	4.160	4.160	4.160	4.159					4.110 - 4.210	4.160
PCB-1260 Peak 2	4.468	4.469	4.468	4.469	4.468	4.469					4.419 - 4.519	4.469
PCB-1260 Peak 3	4.767	4.768	4.768	4.767	4.768	4.767					4.717 - 4.817	4.768
PCB-1260 Peak 4	5.518	5.517	5.518	5.518	5.518	5.518					5.468 - 5.568	5.518
PCB-1260 Peak 5	5.822	5.821	5.820	5.820	5.821	5.820					5.770 - 5.870	5.821
Tetrachloro-m-xylene	1.288	1.288	1.289	1.289	1.289	1.288					1.239 - 1.339	1.289
DCB Decachlorobiphenyl	7.057	7.057	7.058	7.056	7.057	7.054					7.006 - 7.106	7.057

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	47570600 36354352	44879620 33033344	42064845	40030500	Ave		40655543.5				13.0		20.0			
PCB-1016 Peak 2	86111360 64408075	79910890 59039442	73338035	68454090	Ave		71876981.9				14.0		20.0			
PCB-1016 Peak 3	180505160 142796313	167514060 133101529	157810350	149580956	Ave		155218061				11.0		20.0			
PCB-1016 Peak 4	71981180 60751481	67204130 57912659	65508860	63476760	Ave		64472511.6				7.7		20.0			
PCB-1016 Peak 5	80605560 62498314	72179060 59592302	68510180	63709390	Ave		67849134.3				11.0		20.0			
PCB-1260 Peak 1	115807120 94842713	107789480 89860055	101670520	98163952	Ave		101355640				9.2		20.0			
PCB-1260 Peak 2	227193120 187849831	215268890 177045456	203431520	193006726	Ave		200632590				9.2		20.0			
PCB-1260 Peak 3	220698560 190365810	211602070 179930711	201551830	196110274	Ave		200043209				7.3		20.0			
PCB-1260 Peak 4	289489620 263611969	284526700 249898539	273549365	269783558	Ave		271809958				5.3		20.0			
PCB-1260 Peak 5	136652340 126153832	134515880 120750822	128595710	128244336	Ave		129152153				4.5		20.0			
Tetrachloro-m-xylene	2606107200 2102795960	2470085400 1924357420	2397259000	2196600400	Ave		2282867563				11.0		20.0			
DCB Decachlorobiphenyl	2510979200 2286534400	2398843800 2231318180	2314914800	2265365840	Ave		2334659370				4.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12036

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	2378530 66066688	4487962	8412969	20015250	36354352	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	4305568 118078883	7991089	14667607	34227045	64408075	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	9025258 266203057	16751406	31562070	74790478	142796313	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	3599059 115825317	6720413	13101772	31738380	60751481	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	4030278 119184603	7217906	13702036	31854695	62498314	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	5790356 179720110	10778948	20334104	49081976	94842713	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	11359656 354090911	21526889	40686304	96503363	187849831	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	11034928 359861421	21160207	40310366	98055137	190365810	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	14474481 499797077	28452670	54709873	134891779	263611969	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	6832617 241501643	13451588	25719142	64122168	126153832	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	6515268 192435742	12350427	23972590	54915010	105139798	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	6277448 223131818	11994219	23149148	56634146	114326720	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300027.D		
Lims ID:	STD005 1660	Client ID:	
Inject. Date:	21-Oct-2012 22:51:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014228-027		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	62068	Lims Sample ID:	27
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:10	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	6515268	0.002854			
2	2	1.650	1.651	-0.001	3761903	0.002618			
						RPD = 8.63			
6 PCB-1016									M
1	100	1.587	1.587	0.000	2378530	0.0585		100.0	M
1	2	1.896	1.896	0.000	4305568	0.0599	149.3- 199.3	181.0	
1	3	2.322	2.323	-0.001	9025258	0.0581	350.2- 400.2	379.4	
1	4	2.453	2.453	0.000	3599059	0.0558	130.7- 180.7	151.3	
1	5	2.866	2.867	-0.001	4030278	0.0594	137.9- 187.9	169.4	
			Average of Peak Amounts =			0.0584			
2	6	2.147	2.147	0.000	1302990	0.0580		100.0	
2	7	2.571	2.571	0.000	2716165	0.0579	176.5- 236.5	208.5	
2	8	3.052	3.054	-0.002	5034554	0.0554	362.5- 422.5	386.4	
2	9	3.200	3.201	-0.001	2214859	0.0572	137.9- 197.9	170.0	
2	10	3.854	3.854	0.000	1955492	0.0542	118.8- 178.8	150.1	
			Average of Peak Amounts =			0.0565			
						RPD = 3.15			

Report Date: 22-Oct-2012 09:18:11 Chrom Revision: 2.0 12-Oct-2012 03:41:20
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300027.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.159	4.160	-0.001	5790356	0.0571		100.0	
1	2	4.468	4.469	-0.001	11359656	0.0566	175.1- 225.1	196.2	
1	3	4.767	4.767	0.000	11034928	0.0552	173.2- 223.2	190.6	
1	4	5.518	5.518	0.000	14474481	0.0533	244.1- 294.1	250.0	
1	5	5.822	5.820	0.002	6832617	0.0529	101.5- 151.5	118.0	
			Average of Peak Amounts =			0.0550			
2	6	5.141	5.141	0.000	3688022	0.0553		100.0	
2	7	5.386	5.389	-0.003	7772445	0.0671	86.6- 146.6	210.7	
2	8	5.777	5.776	0.001	6319472	0.0541	142.9- 202.9	171.4	
2	9	6.508	6.509	-0.001	7463574	0.0525	179.5- 239.5	202.4	
2	10	6.910	6.910	0.000	5536326	0.0532	121.8- 181.8	150.1	
			Average of Peak Amounts =			0.0564			
						RPD = 2.55			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	6277448	0.002689			
2	2	8.223	8.224	-0.001	3592262	0.002667			
						RPD = 0.81			

QC Flag Legend

Review Flags
M - Manually Integrated

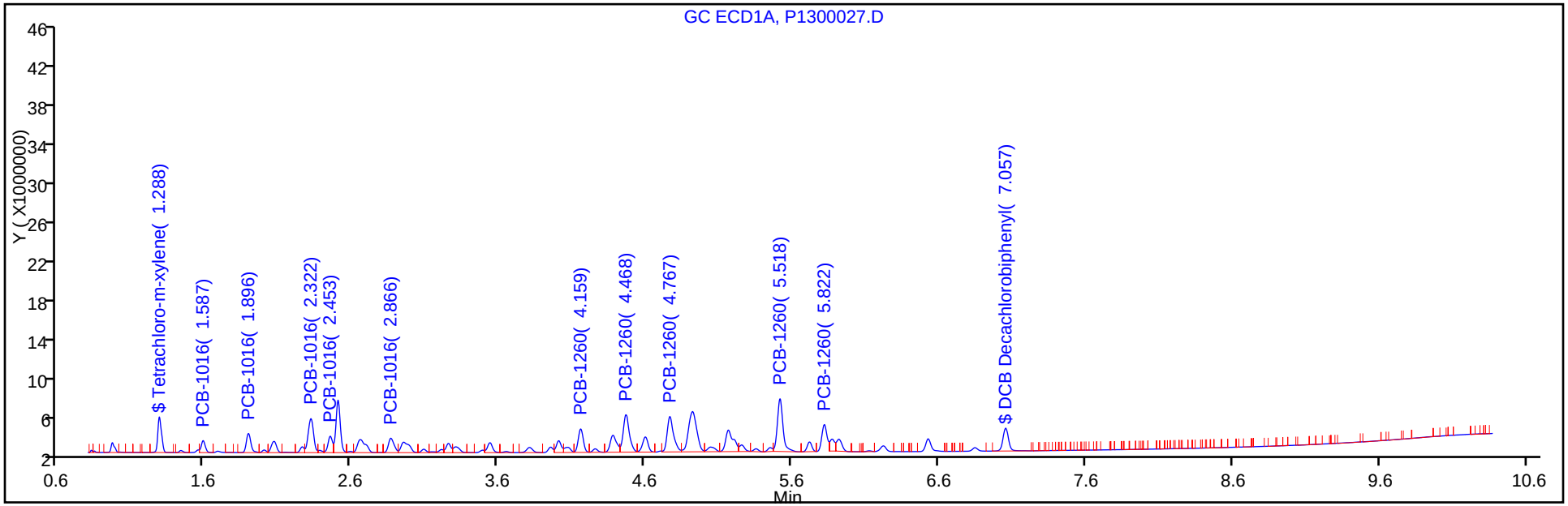
Report Date: 22-Oct-2012 09:18:11 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

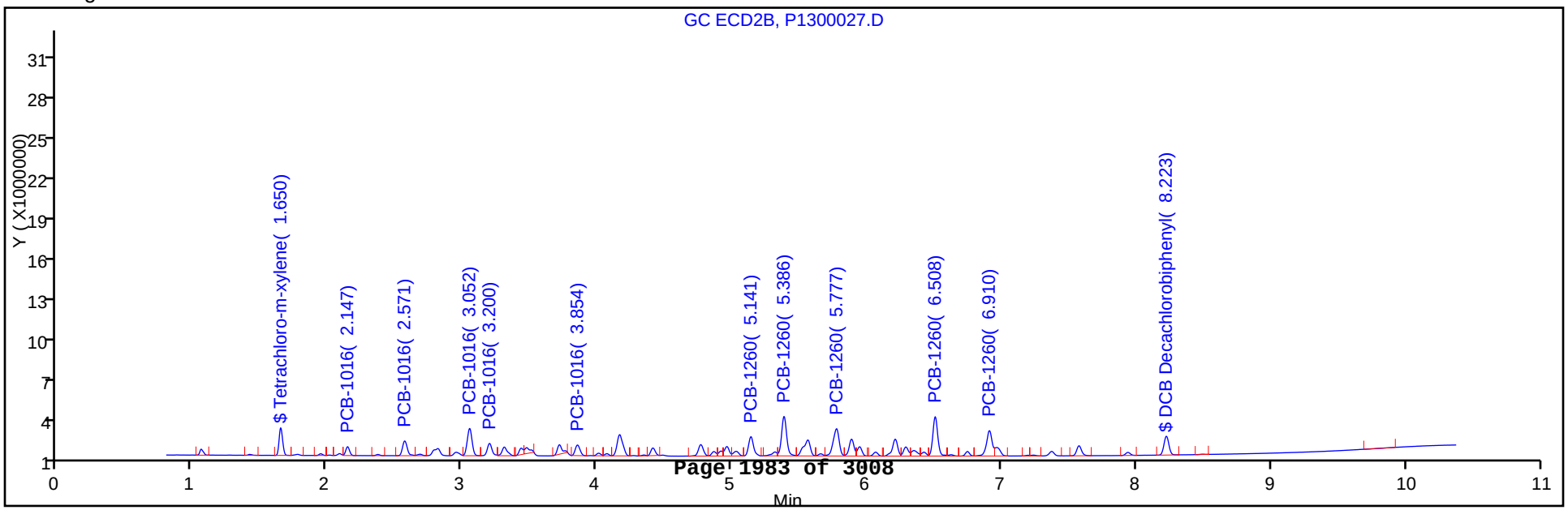
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300027.D

Injection Date:	21-Oct-2012 22:51:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



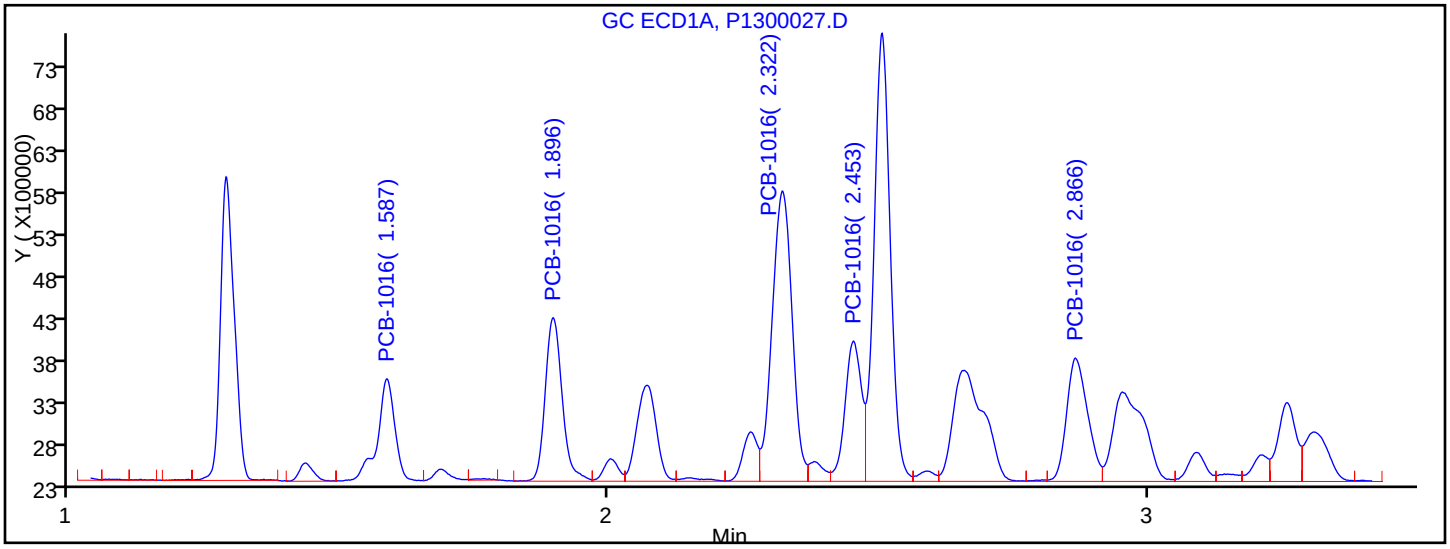
Report Date: 22-Oct-2012 09:18:11 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300027.D

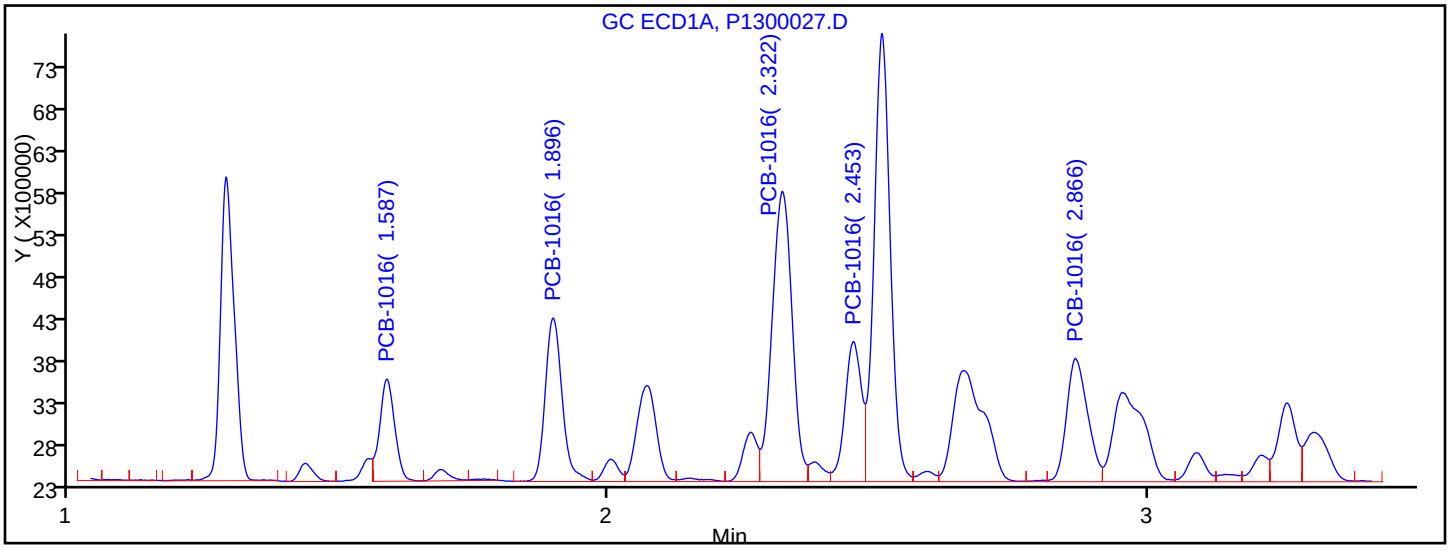
Injection Date:	21-Oct-2012 22:51:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 2761795	M
RT = 1.896	Response = 4305568	
RT = 2.322	Response = 9025258	
RT = 2.453	Response = 3599059	
RT = 2.866	Response = 4030278	



Manual Integration Results

RT = 1.587	Response = 2378530	M
RT = 1.896	Response = 4305568	
RT = 2.322	Response = 9025258	
RT = 2.453	Response = 3599059	
RT = 2.866	Response = 4030278	

Reviewer: hassl, 22-Oct-2012 09:08:33

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300028.D		
Lims ID:	STD01 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:06:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0014228-028		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	62068	Lims Sample ID:	28
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:08	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	12350427	0.005410			
2	2	1.651	1.651	0.000	7279892	0.005066			
						RPD = 6.57			
6 PCB-1016									M
1	100	1.587	1.587	0.000	4487962	0.1104		100.0	M
1	2	1.897	1.896	0.001	7991089	0.1112	149.3- 199.3	178.1	
1	3	2.322	2.323	-0.001	16751406	0.1079	350.2- 400.2	373.3	
1	4	2.453	2.453	0.000	6720413	0.1042	130.7- 180.7	149.7	
1	5	2.867	2.867	0.000	7217906	0.1064	137.9- 187.9	160.8	
			Average of Peak Amounts =			0.1080			
2	6	2.147	2.147	0.000	2436057	0.1084		100.0	
2	7	2.572	2.571	0.001	5096263	0.1086	176.5- 236.5	209.2	
2	8	3.052	3.054	-0.002	9503247	0.1046	362.5- 422.5	390.1	
2	9	3.201	3.201	0.000	4151320	0.1072	137.9- 197.9	170.4	
2	10	3.853	3.854	-0.001	3904064	0.1082	118.8- 178.8	160.3	
			Average of Peak Amounts =			0.1074			
						RPD = 0.56			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.161	4.160	0.001	10778948	0.1063		100.0	
1	2	4.469	4.469	0.000	21526889	0.1073	175.1- 225.1	199.7	
1	3	4.768	4.767	0.001	21160207	0.1058	173.2- 223.2	196.3	
1	4	5.517	5.518	-0.001	28452670	0.1047	244.1- 294.1	264.0	
1	5	5.821	5.820	0.001	13451588	0.1042	101.5- 151.5	124.8	
			Average of Peak Amounts =			0.1057			
2	6	5.141	5.141	0.000	6962734	0.1045		100.0	
2	7	5.387	5.389	-0.002	8255175	0.0740	86.6- 146.6	118.6	
2	8	5.775	5.776	-0.001	12150372	0.1040	142.9- 202.9	174.5	
2	9	6.509	6.509	0.000	14484067	0.1018	179.5- 239.5	208.0	
2	10	6.911	6.910	0.001	10796592	0.1037	121.8- 181.8	155.1	
			Average of Peak Amounts =			0.0976			
						RPD = 7.93			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	11994219	0.005137			
2	2	8.224	8.224	0.000	6693013	0.004969			
						RPD = 3.33			

QC Flag Legend

Review Flags
M - Manually Integrated

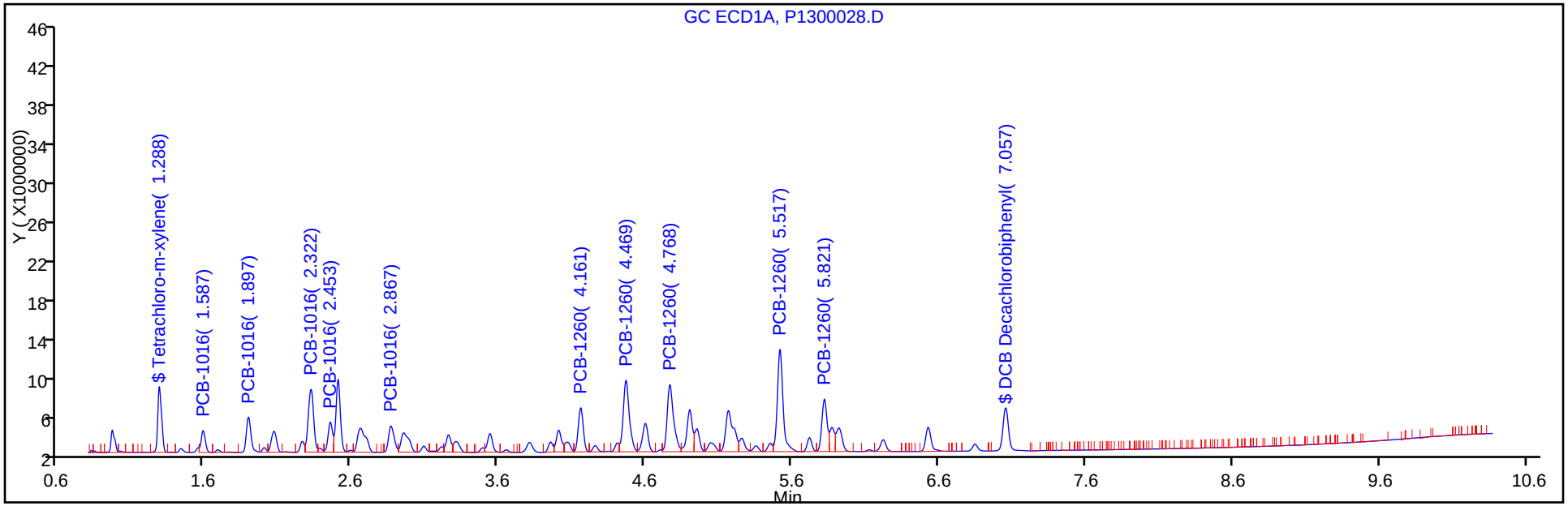
Report Date: 22-Oct-2012 09:18:09 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

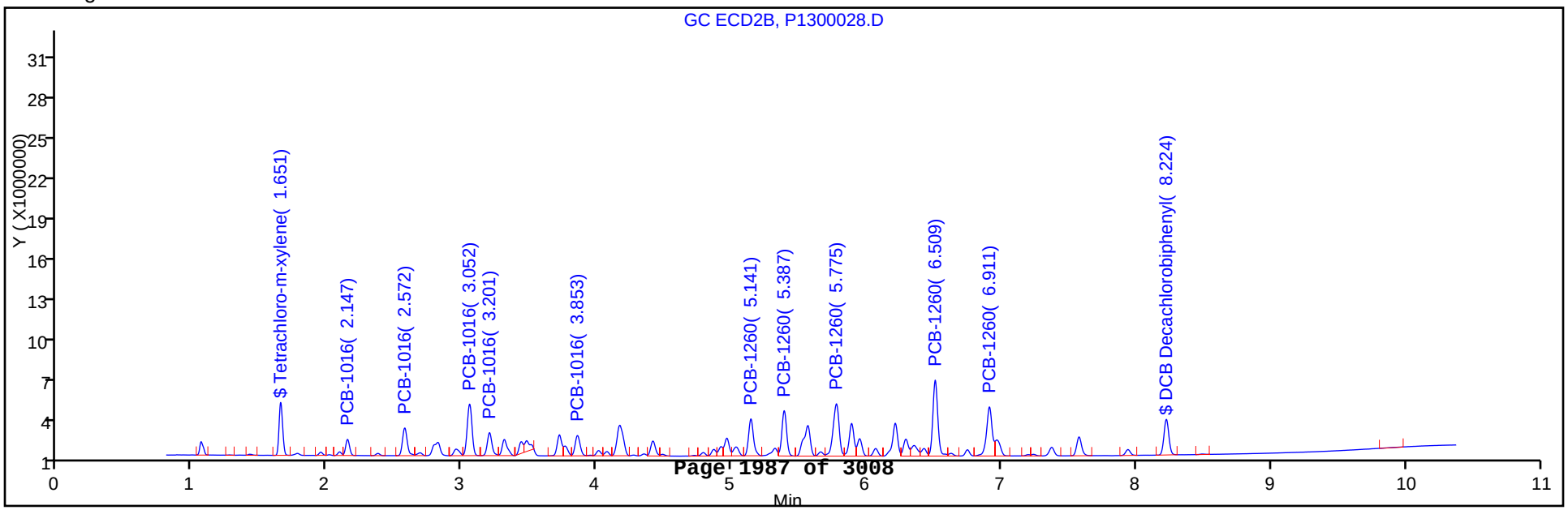
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300028.D

Injection Date:	21-Oct-2012 23:06:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	28
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



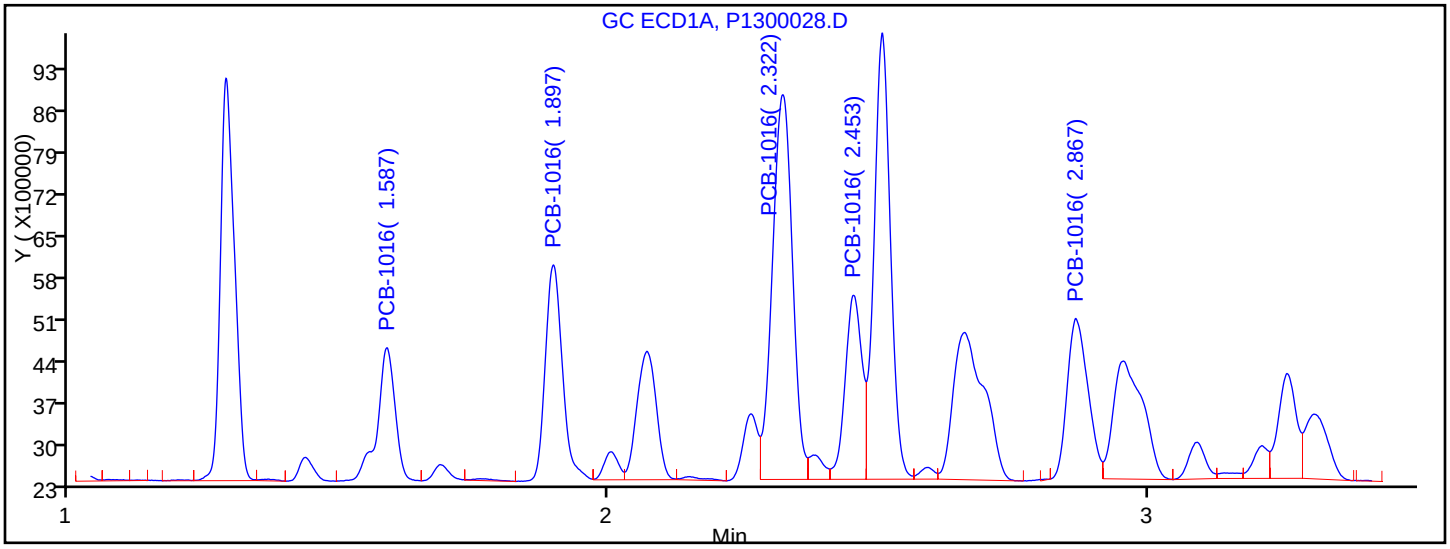
Report Date: 22-Oct-2012 09:18:09 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300028.D

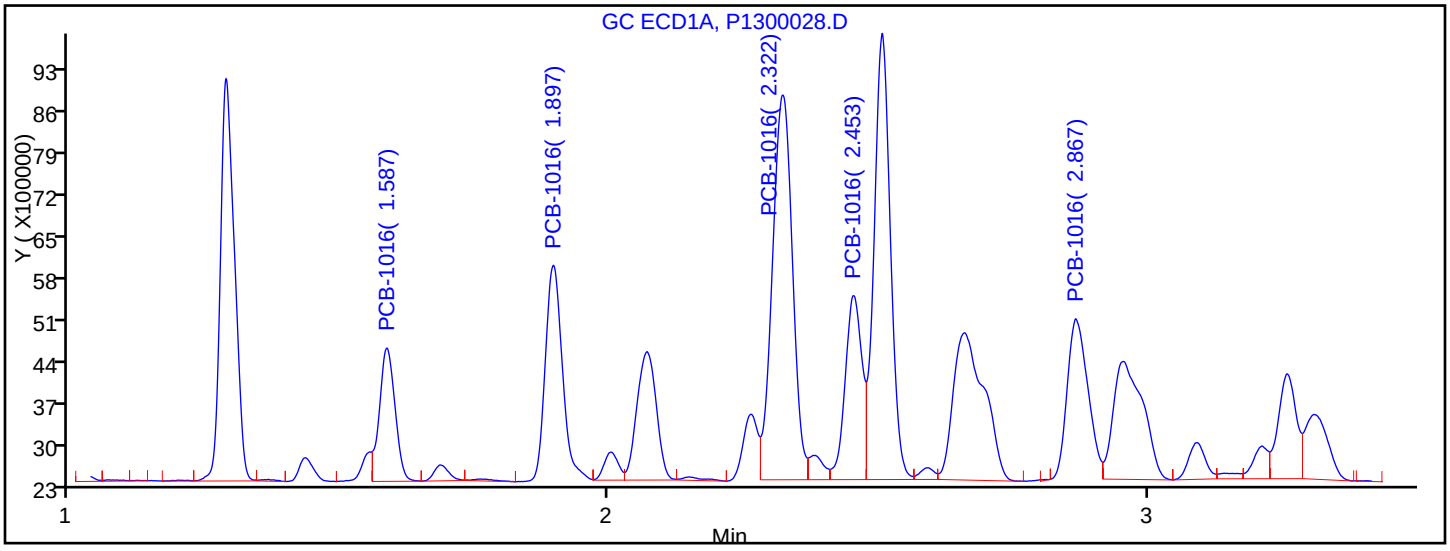
Injection Date:	21-Oct-2012 23:06:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	28
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 5130873	M
RT = 1.897	Response = 7991089	
RT = 2.322	Response = 16751406	
RT = 2.453	Response = 6720413	
RT = 2.867	Response = 7217906	



Manual Integration Results

RT = 1.587	Response = 4487962	M
RT = 1.897	Response = 7991089	
RT = 2.322	Response = 16751406	
RT = 2.453	Response = 6720413	
RT = 2.867	Response = 7217906	

Reviewer: hassl, 22-Oct-2012 09:08:48

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D		
Lims ID:	STD02 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:21:13	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0014228-029		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	62068	Lims Sample ID:	29
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:06	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	23972590	0.0105			
2	2	1.651	1.651	0.000	14504443	0.0101			
						RPD = 3.96			
6 PCB-1016									M
1	100	1.587	1.587	0.000	8412969	0.2069		100.0	M
1	2	1.896	1.896	0.000	14667607	0.2041	149.3- 199.3	174.3	
1	3	2.322	2.323	-0.001	31562070	0.2033	350.2- 400.2	375.2	
1	4	2.453	2.453	0.000	13101772	0.2032	130.7- 180.7	155.7	
1	5	2.867	2.867	0.000	13702036	0.2019	137.9- 187.9	162.9	
			Average of Peak Amounts =			0.2039			
2	6	2.147	2.147	0.000	4591551	0.2043		100.0	
2	7	2.571	2.571	0.000	9479305	0.2021	176.5- 236.5	206.5	
2	8	3.053	3.054	-0.001	18023698	0.1984	362.5- 422.5	392.5	
2	9	3.201	3.201	0.000	7710403	0.1991	137.9- 197.9	167.9	
2	10	3.854	3.854	0.000	6834098	0.1895	118.8- 178.8	148.8	
			Average of Peak Amounts =			0.1987			
						RPD = 2.59			

Report Date: 22-Oct-2012 09:18:07 Chrom Revision: 2.0 12-Oct-2012 03:41:20
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	20334104	0.2006		100.0	
1	2	4.468	4.469	-0.001	40686304	0.2028	175.1- 225.1	200.1	
1	3	4.768	4.767	0.001	40310366	0.2015	173.2- 223.2	198.2	
1	4	5.518	5.518	0.000	54709873	0.2013	244.1- 294.1	269.1	
1	5	5.820	5.820	0.000	25719142	0.1991	101.5- 151.5	126.5	
			Average of Peak Amounts =			0.2011			
2	6	5.141	5.141	0.000	13386031	0.2008		100.0	
2	7	5.388	5.389	-0.001	15606161	0.1787	86.6- 146.6	116.6	
2	8	5.776	5.776	0.000	23144385	0.1981	142.9- 202.9	172.9	
2	9	6.509	6.509	0.000	28046732	0.1971	179.5- 239.5	209.5	
2	10	6.911	6.910	0.001	20320972	0.1951	121.8- 181.8	151.8	
			Average of Peak Amounts =			0.1940			
						RPD = 3.59			
$ 12 DCB Decachlorobiphenyl									
1	100	7.058	7.056	0.002	23149148	0.0099			
2	2	8.224	8.224	0.000	13278288	0.009858			
						RPD = 0.58			

QC Flag Legend

Review Flags
M - Manually Integrated

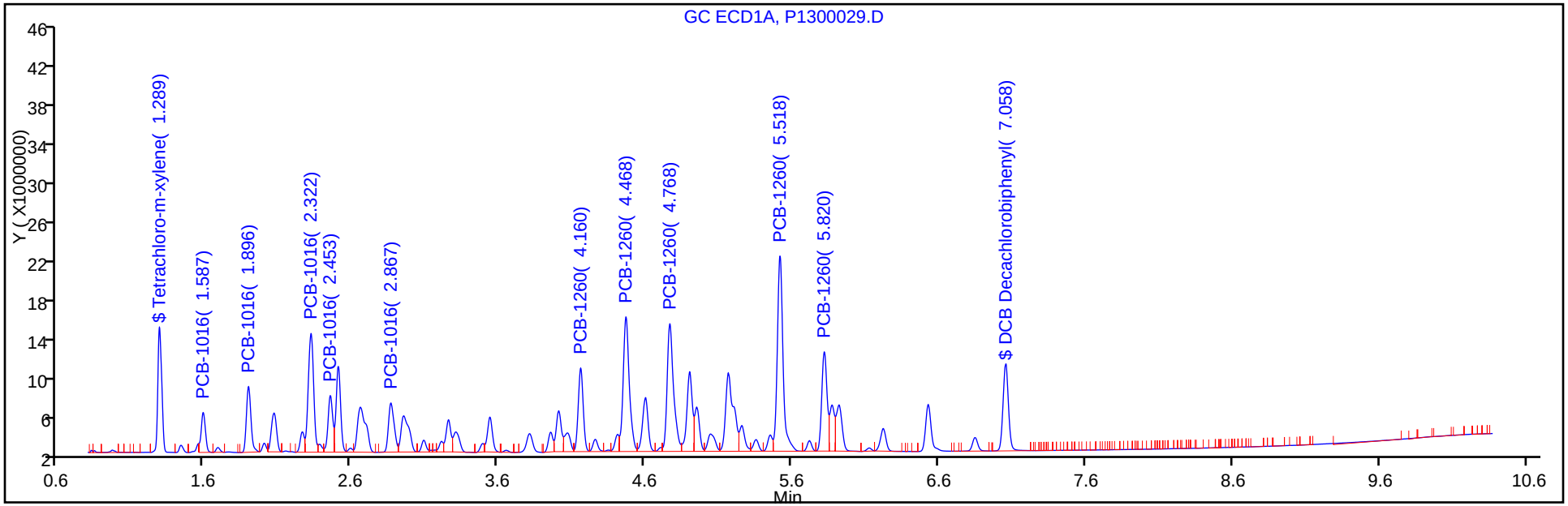
Report Date: 22-Oct-2012 09:18:07 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

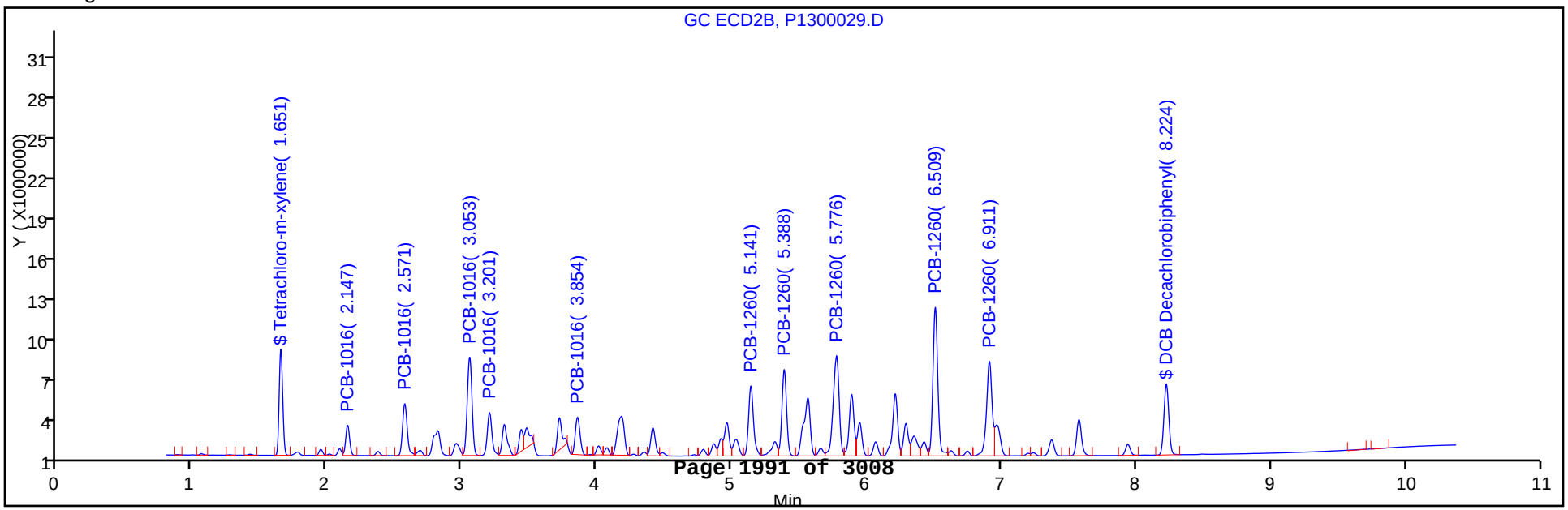
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D

Injection Date:	21-Oct-2012 23:21:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



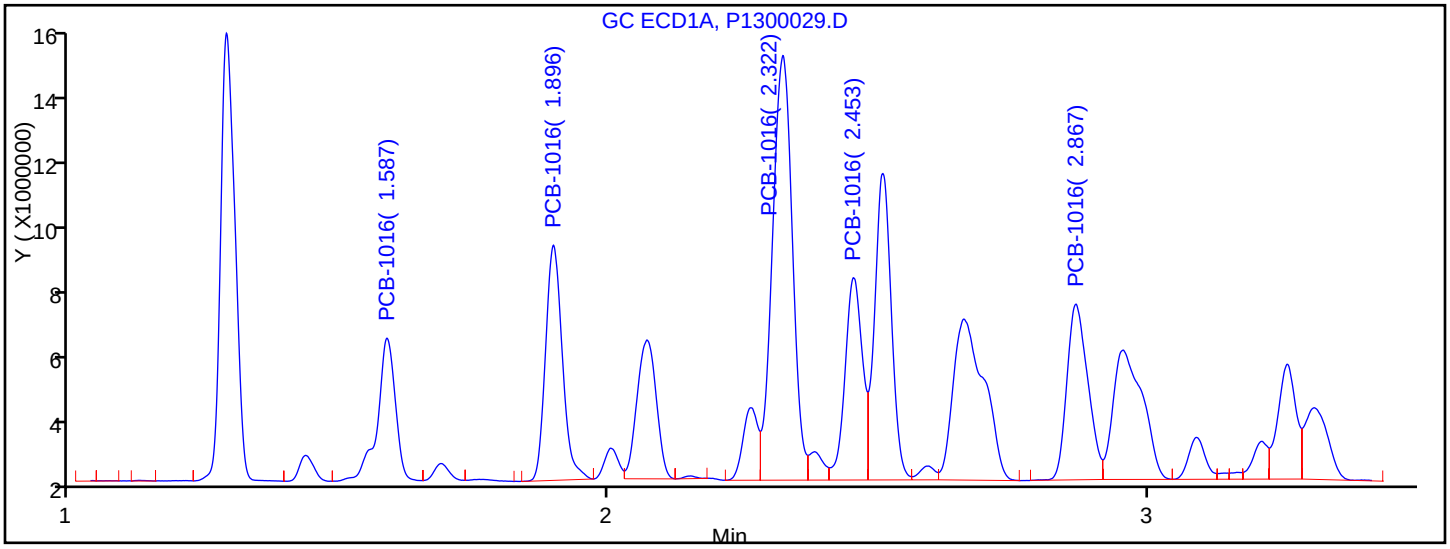
Report Date: 22-Oct-2012 09:18:07 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D

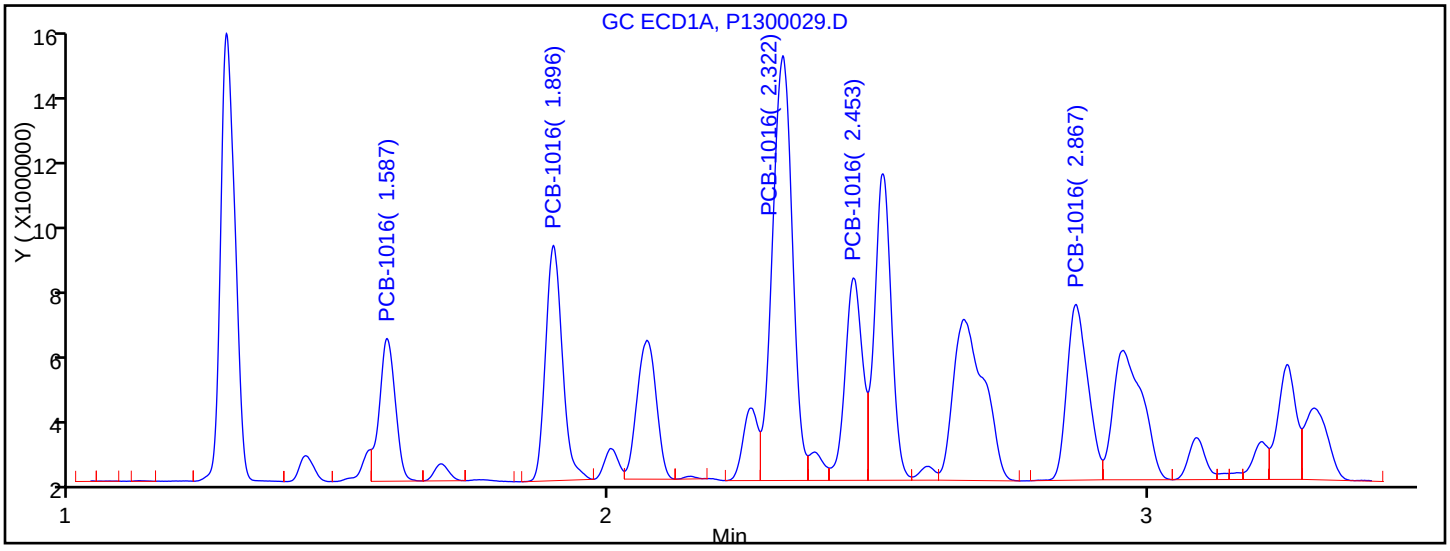
Injection Date:	21-Oct-2012 23:21:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 9534127	M
RT = 1.896	Response = 14667607	
RT = 2.322	Response = 31562070	
RT = 2.453	Response = 13101772	
RT = 2.867	Response = 13702036	



Manual Integration Results

RT = 1.587	Response = 8412969	M
RT = 1.896	Response = 14667607	
RT = 2.322	Response = 31562070	
RT = 2.453	Response = 13101772	
RT = 2.867	Response = 13702036	

Reviewer: hassl, 22-Oct-2012 09:09:02

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300030.D		
Lims ID:	STD05 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:36:05	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	4
Sample ID:	240-0014228-030		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	62068	Lims Sample ID:	30
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:05	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	54915010	0.0241			
2	2	1.651	1.651	0.000	34986071	0.0243			
						RPD = 1.20			
6 PCB-1016									M
1	100	1.587	1.587	0.000	20015250	0.4923		100.0	M
1	2	1.896	1.896	0.000	34227045	0.4762	149.3- 199.3	171.0	
1	3	2.323	2.323	0.000	74790478	0.4818	350.2- 400.2	373.7	
1	4	2.453	2.453	0.000	31738380	0.4923	130.7- 180.7	158.6	
1	5	2.867	2.867	0.000	31854695	0.4695	137.9- 187.9	159.2	
			Average of Peak Amounts =			0.4824			
2	6	2.147	2.147	0.000	10562811	0.4700		100.0	
2	7	2.571	2.571	0.000	22222441	0.4737	176.5- 236.5	210.4	
2	8	3.054	3.054	0.000	43856306	0.4827	362.5- 422.5	415.2	
2	9	3.201	3.201	0.000	18332287	0.4735	137.9- 197.9	173.6	
2	10	3.854	3.854	0.000	17643709	0.4892	118.8- 178.8	167.0	
			Average of Peak Amounts =			0.4778			
						RPD = 0.96			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	49081976	0.4843		100.0	
1	2	4.469	4.469	0.000	96503363	0.4810	175.1- 225.1	196.6	
1	3	4.767	4.767	0.000	98055137	0.4902	173.2- 223.2	199.8	
1	4	5.518	5.518	0.000	134891779	0.4963	244.1- 294.1	274.8	
1	5	5.820	5.820	0.000	64122168	0.4965	101.5- 151.5	130.6	
			Average of Peak Amounts =			0.4896			
2	6	5.141	5.141	0.000	31938771	0.4792		100.0	
2	7	5.389	5.389	0.000	38322383	0.5024	86.6- 146.6	120.0	
2	8	5.776	5.776	0.000	56366268	0.4824	142.9- 202.9	176.5	
2	9	6.509	6.509	0.000	69901748	0.4913	179.5- 239.5	218.9	
2	10	6.910	6.910	0.000	50633965	0.4862	121.8- 181.8	158.5	
			Average of Peak Amounts =			0.4883			
						RPD = 0.27			
$ 12 DCB Decachlorobiphenyl									
1	100	7.056	7.056	0.000	56634146	0.0243			
2	2	8.224	8.224	0.000	32766491	0.0243			
						RPD = 0.28			

QC Flag Legend

Review Flags
M - Manually Integrated

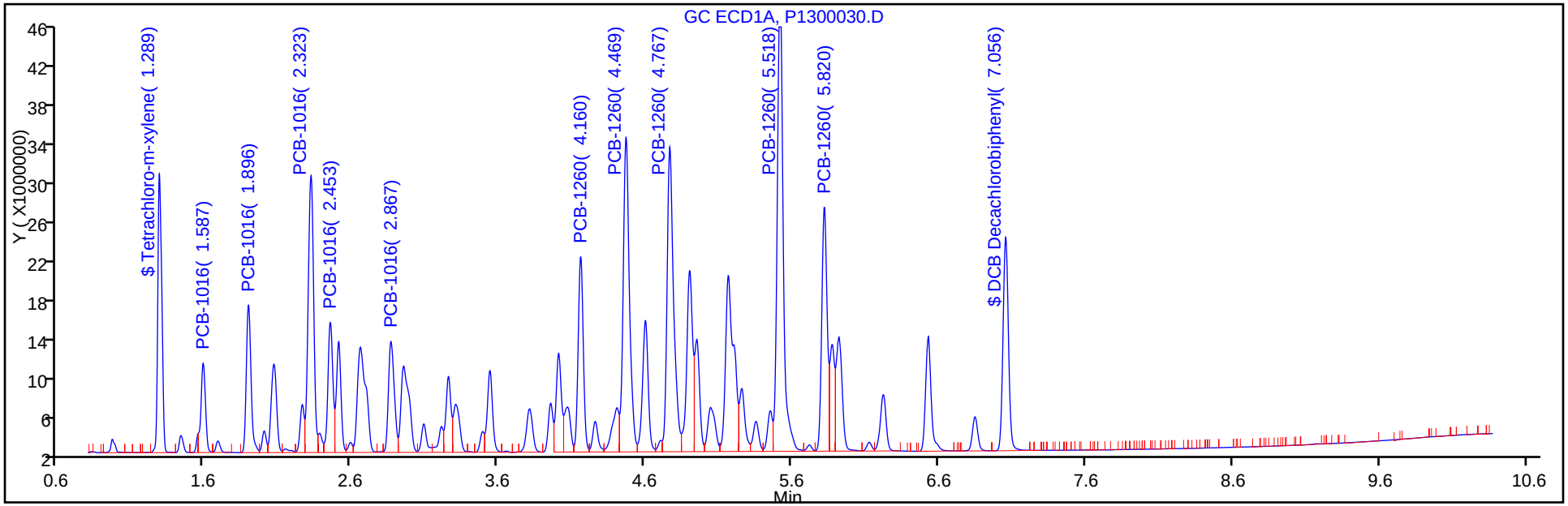
Report Date: 22-Oct-2012 09:18:06 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

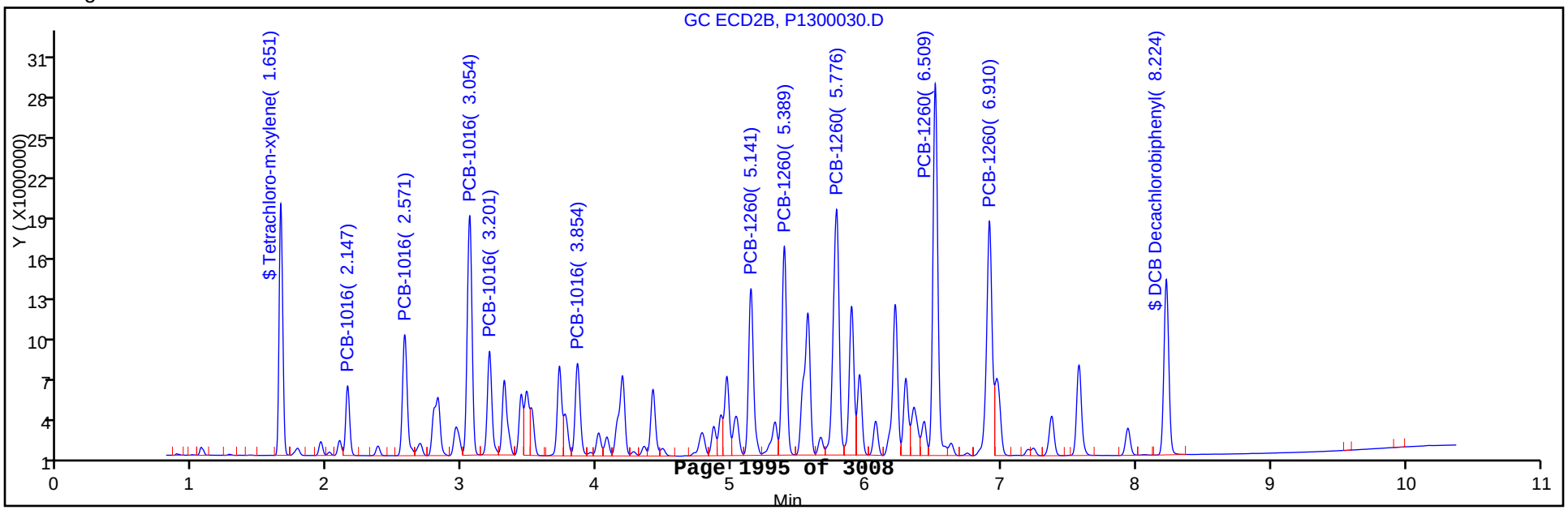
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300030.D

Injection Date:	21-Oct-2012 23:36:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



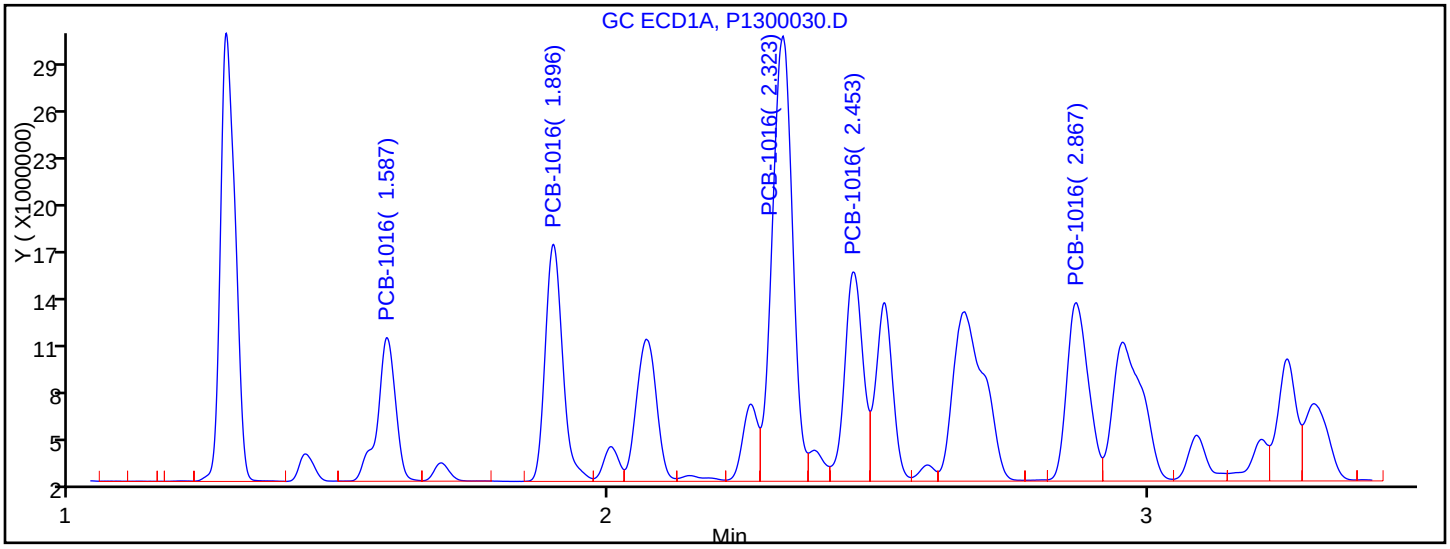
Report Date: 22-Oct-2012 09:18:06 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300030.D

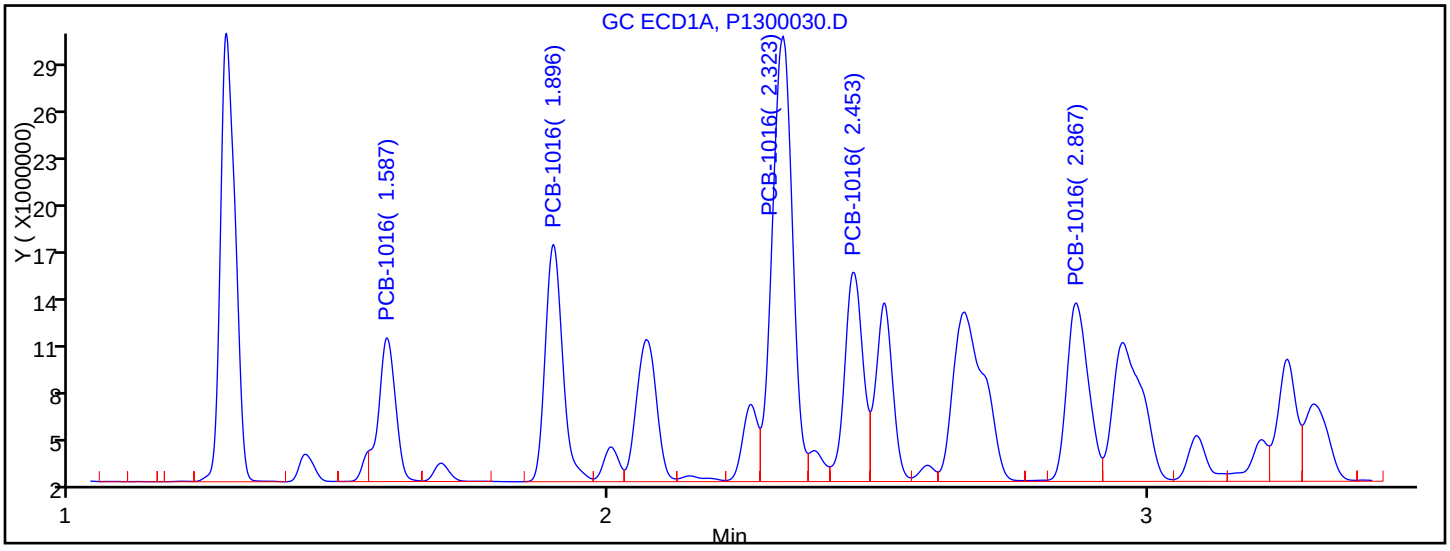
Injection Date:	21-Oct-2012 23:36:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.587	Response = 21555059	M
RT = 1.896	Response = 34227045	
RT = 2.323	Response = 74790478	
RT = 2.453	Response = 31738380	
RT = 2.867	Response = 31854695	



Manual Integration Results

RT = 1.587	Response = 20015250	M
RT = 1.896	Response = 34227045	
RT = 2.323	Response = 74790478	
RT = 2.453	Response = 31738380	
RT = 2.867	Response = 31854695	

Reviewer: hassl, 22-Oct-2012 09:09:17

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300031.D		
Lims ID:	STD1 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:50:59	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014228-031		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	62068	Lims Sample ID:	31
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:03	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	105139798	0.0461			
2	2	1.652	1.651	0.001	71004501	0.0494			
						RPD = 7.03			
6 PCB-1016									M
1	100	1.588	1.587	0.001	36354352	0.8942		100.0	M
1	2	1.897	1.896	0.001	64408075	0.8961	149.3- 199.3	177.2	
1	3	2.323	2.323	0.000	142796313	0.9200	350.2- 400.2	392.8	
1	4	2.454	2.453	0.001	60751481	0.9423	130.7- 180.7	167.1	
1	5	2.868	2.867	0.001	62498314	0.9211	137.9- 187.9	171.9	
			Average of Peak Amounts =			0.9147			
2	6	2.148	2.147	0.001	20522052	0.9132		100.0	
2	7	2.572	2.571	0.001	43028180	0.9172	176.5- 236.5	209.7	
2	8	3.053	3.054	-0.001	86921748	0.9567	362.5- 422.5	423.6	
2	9	3.200	3.201	-0.001	36030617	0.9306	137.9- 197.9	175.6	
2	10	3.853	3.854	-0.001	34526619	0.9573	118.8- 178.8	168.2	
			Average of Peak Amounts =			0.9350			
						RPD = 2.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	94842713	0.9357		100.0	
1	2	4.468	4.469	-0.001	187849831	0.9363	175.1- 225.1	198.1	
1	3	4.768	4.767	0.001	190365810	0.9516	173.2- 223.2	200.7	
1	4	5.518	5.518	0.000	263611969	0.9698	244.1- 294.1	277.9	
1	5	5.821	5.820	0.001	126153832	0.9768	101.5- 151.5	133.0	
			Average of Peak Amounts =			0.9541			
2	6	5.142	5.141	0.001	63406259	0.9514		100.0	
2	7	5.388	5.389	-0.001	73993635	1.01	86.6- 146.6	116.7	
2	8	5.777	5.776	0.001	113549892	0.9719	142.9- 202.9	179.1	
2	9	6.509	6.509	0.000	141048533	0.99	179.5- 239.5	222.5	
2	10	6.912	6.910	0.002	102225663	0.9817	121.8- 181.8	161.2	
			Average of Peak Amounts =			0.9813			
						RPD = 2.82			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	114326720	0.0490			
2	2	8.224	8.224	0.000	66660683	0.0495			
						RPD = 1.06			

QC Flag Legend

Review Flags
M - Manually Integrated

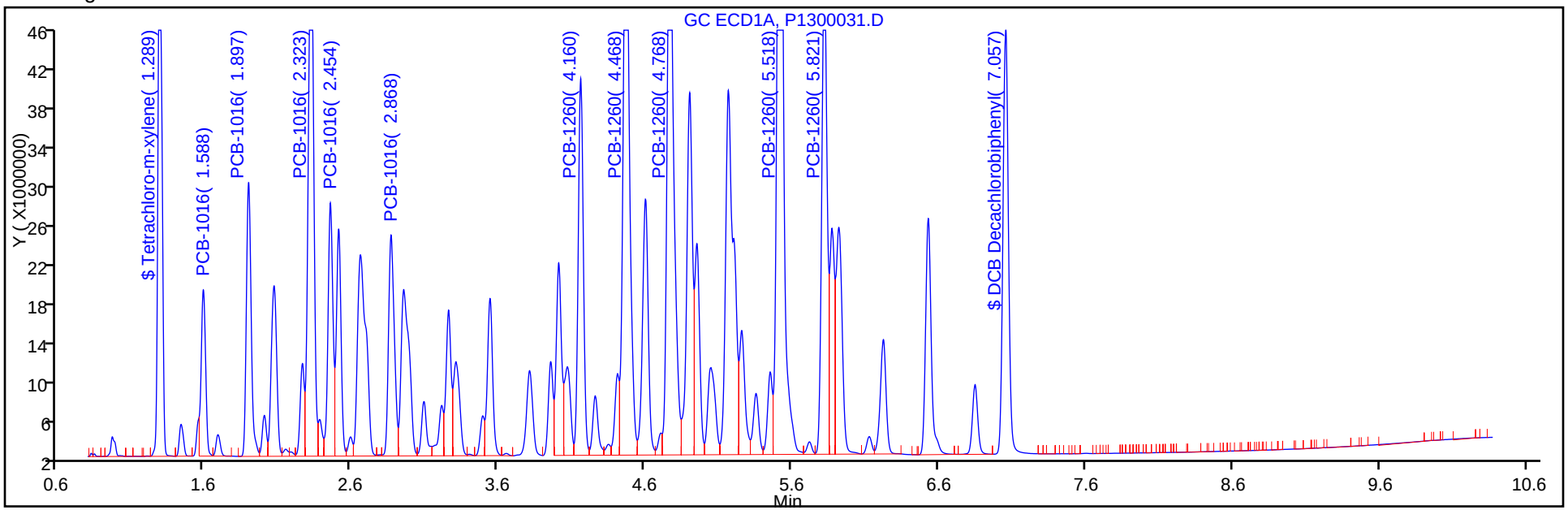
Report Date: 22-Oct-2012 09:18:04 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

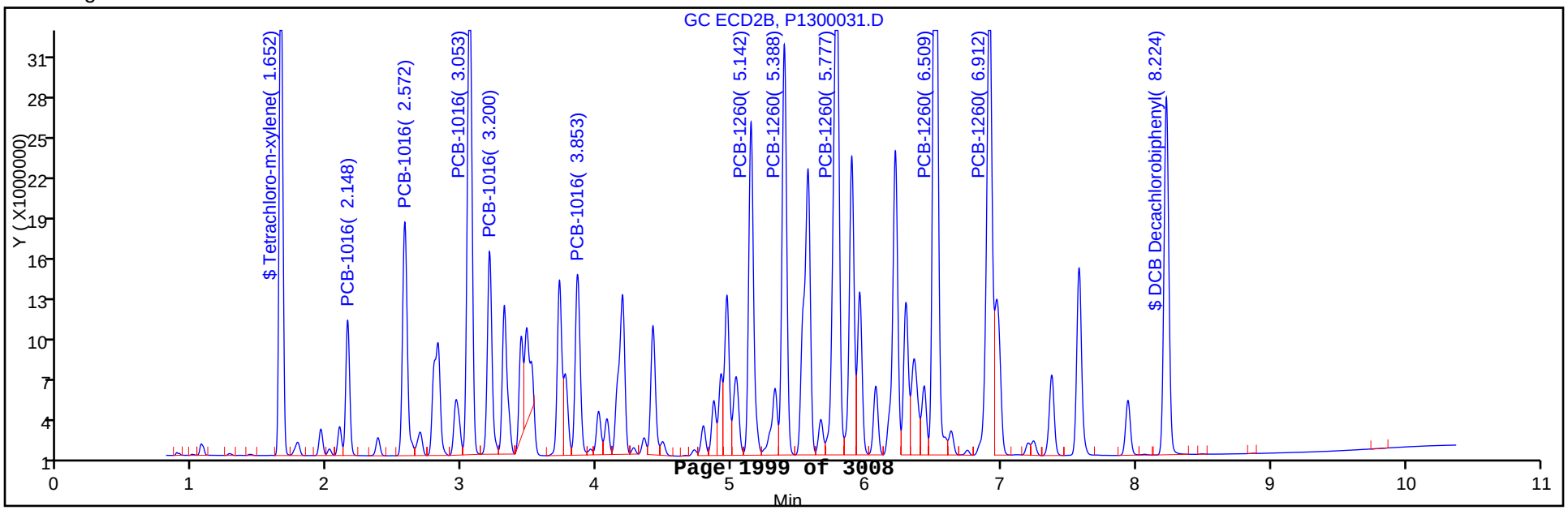
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300031.D

Injection Date:	21-Oct-2012 23:50:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



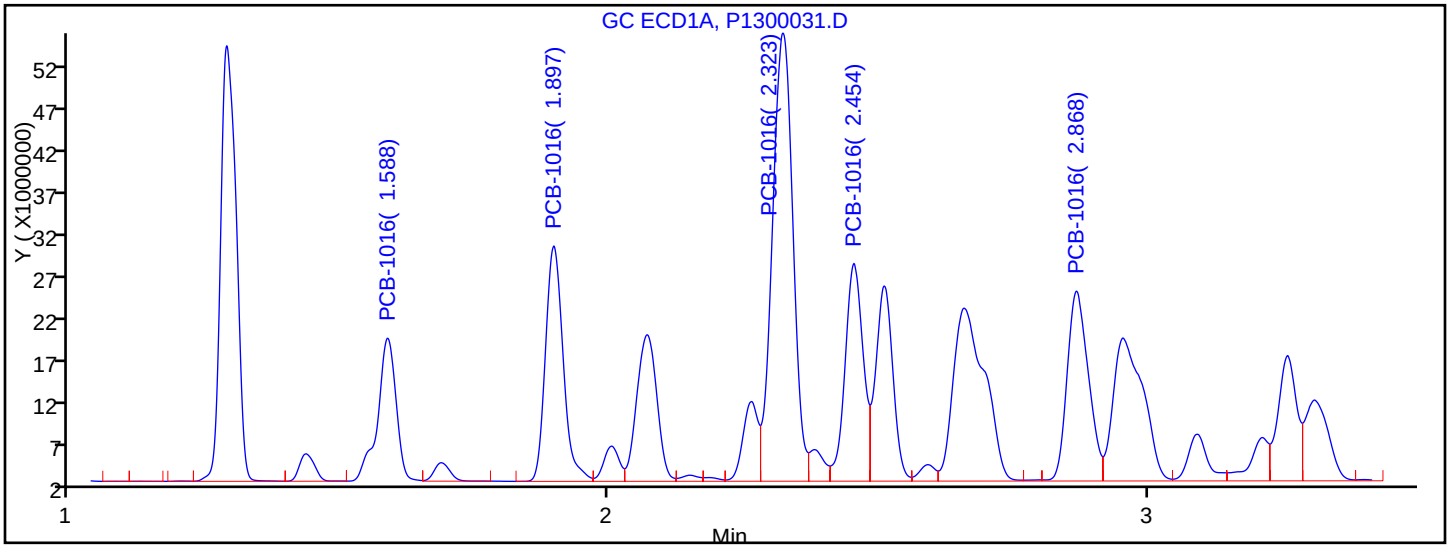
Report Date: 22-Oct-2012 09:18:04 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300031.D

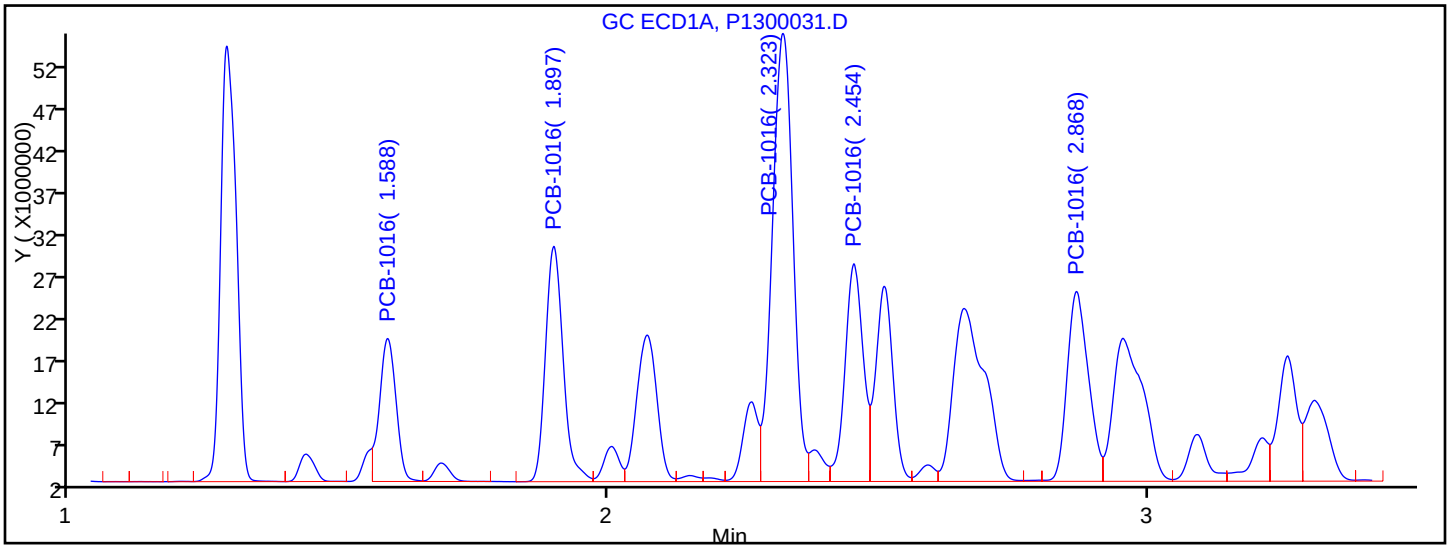
Injection Date:	21-Oct-2012 23:50:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.588	Response = 40767713	M
RT = 1.897	Response = 64408075	
RT = 2.323	Response = 142796313	
RT = 2.454	Response = 60751481	
RT = 2.868	Response = 62498314	



Manual Integration Results

RT = 1.588	Response = 36354352	M
RT = 1.897	Response = 64408075	
RT = 2.323	Response = 142796313	
RT = 2.454	Response = 60751481	
RT = 2.868	Response = 62498314	

Reviewer: hassl, 22-Oct-2012 09:09:35

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300032.D		
Lims ID:	STD2 1660	Client ID:	
Inject. Date:	22-Oct-2012 00:05:52	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014228-032		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	32
Lims Batch ID:	62068	Lims Sample ID:	32
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:01	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	192435742	0.0843			
2	2	1.650	1.651	-0.001	139158982	0.0968			
						RPD = 13.85			
6 PCB-1016									M
1	100	1.586	1.587	-0.001	66066688	1.63		100.0	M
1	2	1.895	1.896	-0.001	118078883	1.64	149.3- 199.3	178.7	
1	3	2.322	2.323	-0.001	266203057	1.72	350.2- 400.2	402.9	
1	4	2.452	2.453	-0.001	115825317	1.80	130.7- 180.7	175.3	
1	5	2.867	2.867	0.000	119184603	1.76	137.9- 187.9	180.4	
			Average of Peak Amounts =			1.71			
2	6	2.147	2.147	0.000	39630464	1.76		100.0	
2	7	2.571	2.571	0.000	82613093	1.76	176.5- 236.5	208.5	
2	8	3.053	3.054	-0.001	169334332	1.86	362.5- 422.5	427.3	
2	9	3.201	3.201	0.000	70483896	1.82	137.9- 197.9	177.9	
2	10	3.853	3.854	-0.001	68540290	1.90	118.8- 178.8	172.9	
			Average of Peak Amounts =			1.82			
						RPD = 6.50			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.159	4.160	-0.001	179720110	1.77		100.0	
1	2	4.469	4.469	0.000	354090911	1.76	175.1- 225.1	197.0	
1	3	4.767	4.767	0.000	359861421	1.80	173.2- 223.2	200.2	
1	4	5.518	5.518	0.000	499797077	1.84	244.1- 294.1	278.1	
1	5	5.820	5.820	0.000	241501643	1.87	101.5- 151.5	134.4	
			Average of Peak Amounts =			1.81			
2	6	5.140	5.141	-0.001	124581130	1.87		100.0	
2	7	5.388	5.389	-0.001	144653625	2.02	86.6- 146.6	116.1	
2	8	5.776	5.776	0.000	222224121	1.90	142.9- 202.9	178.4	
2	9	6.509	6.509	0.000	277091654	1.95	179.5- 239.5	222.4	
2	10	6.911	6.910	0.001	202027569	1.94	121.8- 181.8	162.2	
			Average of Peak Amounts =			1.94			
						RPD = 6.73			
$ 12 DCB Decachlorobiphenyl									
1	100	7.054	7.056	-0.002	223131818	0.0956			
2	2	8.224	8.224	0.000	133427531	0.0991			
						RPD = 3.58			

QC Flag Legend

Review Flags
M - Manually Integrated

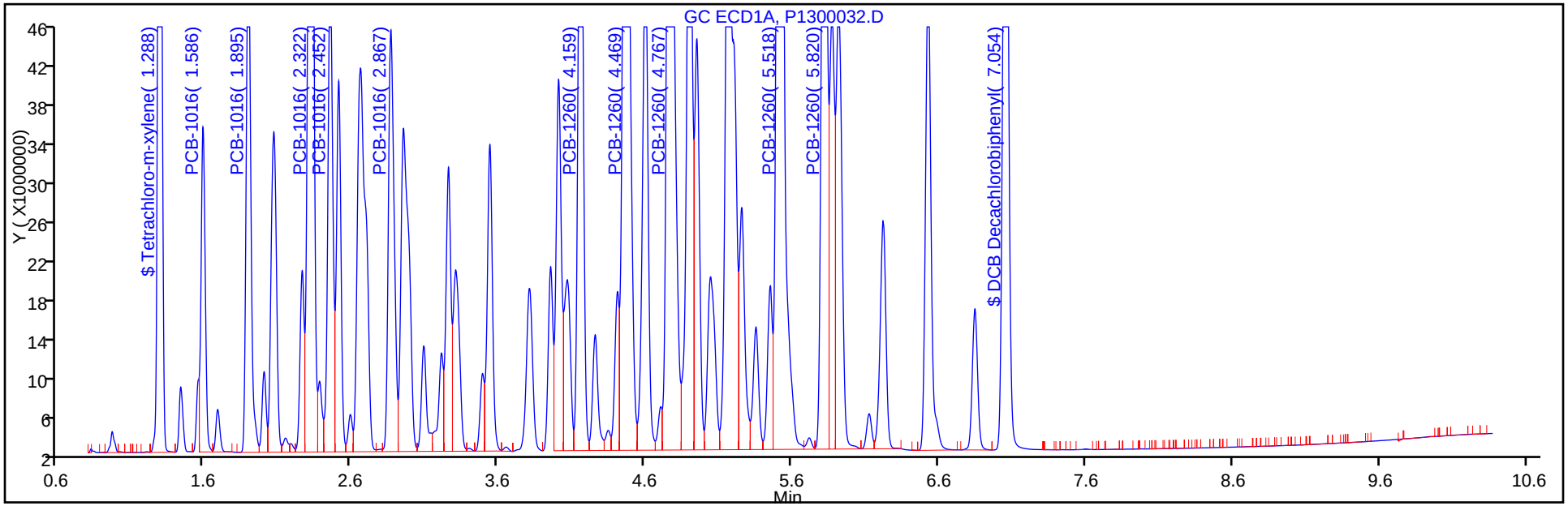
Report Date: 22-Oct-2012 09:18:02 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

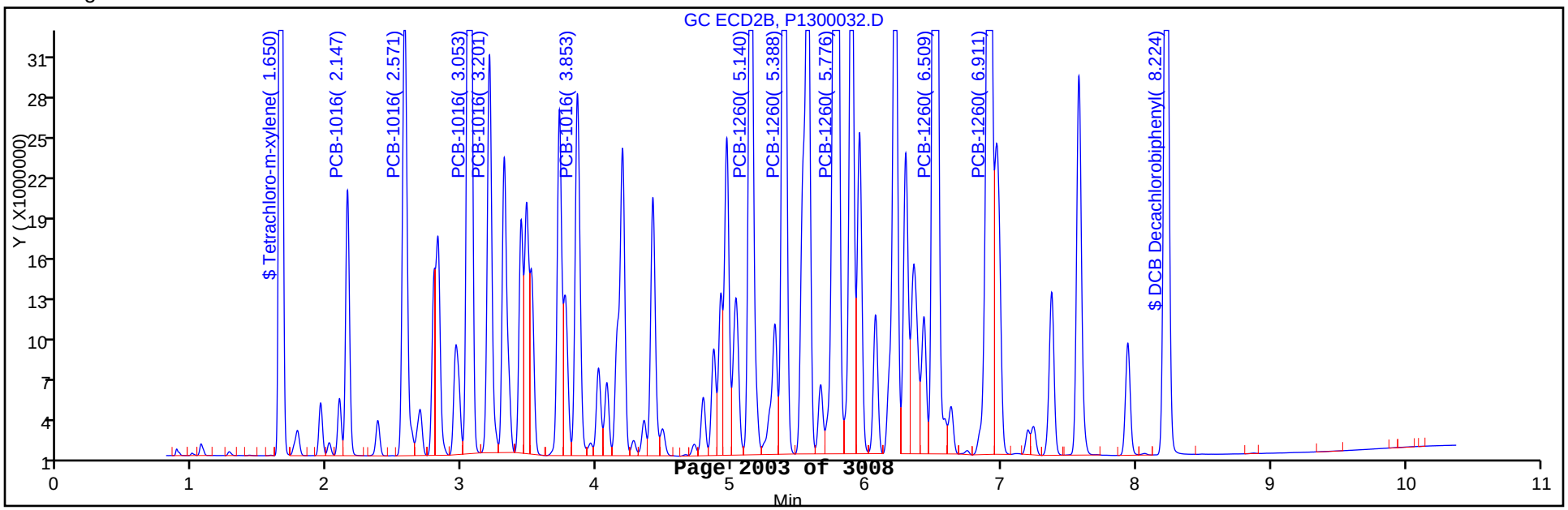
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300032.D

Injection Date:	22-Oct-2012 00:05:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	32
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



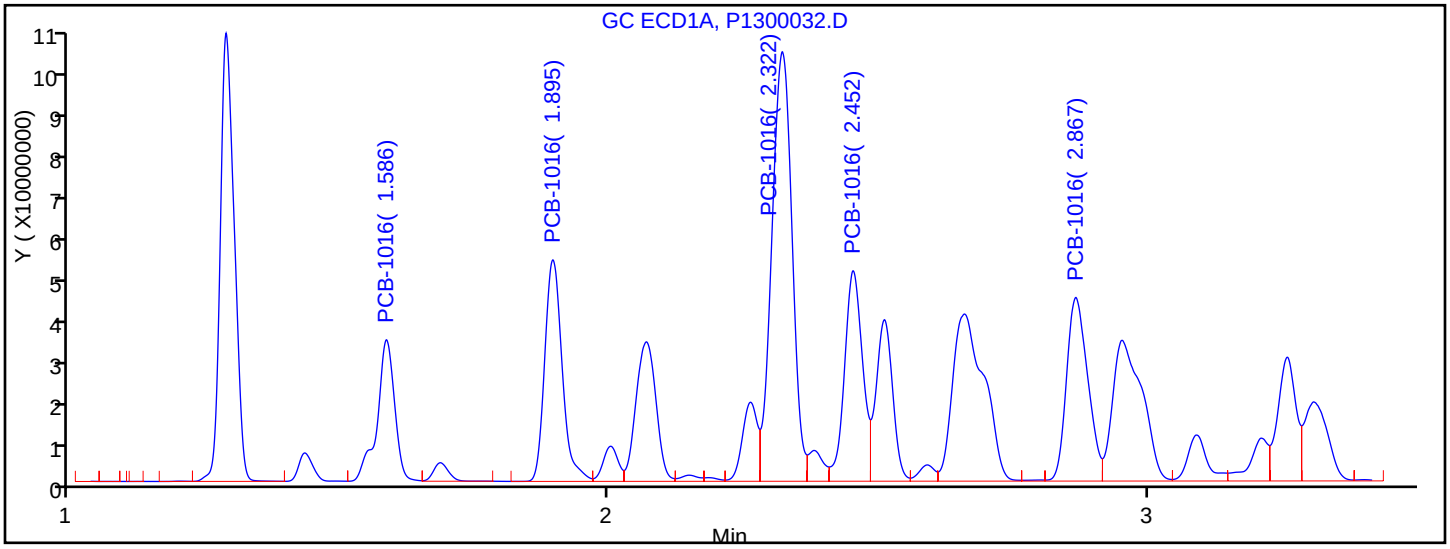
Report Date: 22-Oct-2012 09:18:02 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300032.D

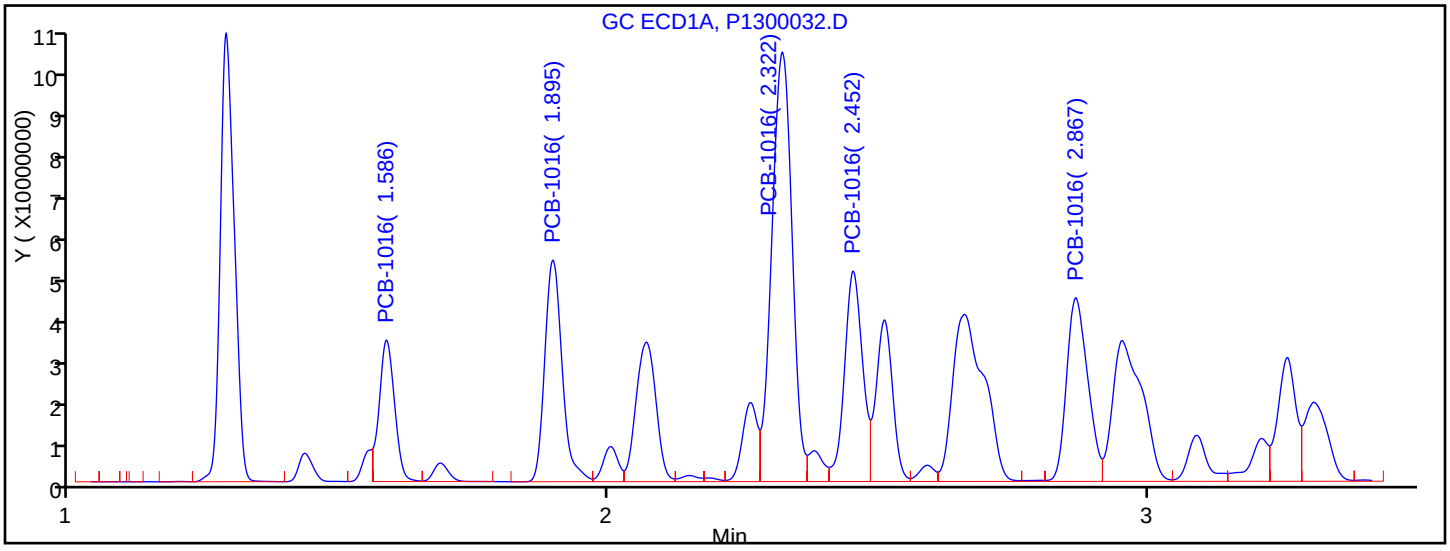
Injection Date:	22-Oct-2012 00:05:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	32
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 75480118	M
RT = 1.895	Response = 118078883	
RT = 2.322	Response = 266203057	
RT = 2.452	Response = 115825317	
RT = 2.867	Response = 119184603	



Manual Integration Results

RT = 1.586	Response = 66066688	M
RT = 1.895	Response = 118078883	
RT = 2.322	Response = 266203057	
RT = 2.452	Response = 115825317	
RT = 2.867	Response = 119184603	

Reviewer: hassl, 22-Oct-2012 09:09:50

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12037

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	2.147	2.147	2.147	2.147	2.148	2.147					2.097 - 2.197	2.147
PCB-1016 Peak 2	2.571	2.572	2.571	2.571	2.572	2.571					2.521 - 2.621	2.571
PCB-1016 Peak 3	3.052	3.052	3.053	3.054	3.053	3.053					3.004 - 3.104	3.053
PCB-1016 Peak 4	3.200	3.201	3.201	3.201	3.200	3.201					3.151 - 3.251	3.201
PCB-1016 Peak 5	3.854	3.853	3.854	3.854	3.853	3.853					3.804 - 3.904	3.854
PCB-1260 Peak 1	5.141	5.141	5.141	5.141	5.142	5.140					5.091 - 5.191	5.141
PCB-1260 Peak 2	5.386	5.387	5.388	5.389	5.388	5.388					5.339 - 5.439	5.388
PCB-1260 Peak 3	5.777	5.775	5.776	5.776	5.777	5.776					5.726 - 5.826	5.776
PCB-1260 Peak 4	6.508	6.509	6.509	6.509	6.509	6.509					6.459 - 6.559	6.509
PCB-1260 Peak 5	6.910	6.911	6.911	6.910	6.912	6.911					6.860 - 6.960	6.911
Tetrachloro-m-xylene	1.650	1.651	1.651	1.651	1.652	1.650					1.601 - 1.701	1.651
DCB Decachlorobiphenyl	8.223	8.224	8.224	8.224	8.224	8.224					8.174 - 8.274	8.224

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12037

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	26059800 20522052	24360570 19815232	22957755	21125622	Ave		22473505.2				11.0		20.0			
PCB-1016 Peak 2	54323300 43028180	50962630 41306547	47396525	44444882	Ave		46910343.9				11.0		20.0			
PCB-1016 Peak 3	100691080 86921748	95032470 84667166	90118490	87712612	Ave		90857261.0				6.6		20.0			
PCB-1016 Peak 4	44297180 36030617	41513200 35241948	38552015	36664574	Ave		38716589.0				9.1		20.0			
PCB-1016 Peak 5	39109840 34526619	39040640 34270145	34170490	35287418	Ave		36067525.3				6.6		20.0			
PCB-1260 Peak 1	73760440 63406259	69627340 62290565	66930155	63877542	Ave		66648716.8				6.6		20.0			
PCB-1260 Peak 2	155448900 73993635	82551750 72326813	78030805	76644766	Lin1	3060963.51	70191595.6							0.9950		0.9900
PCB-1260 Peak 3	126389440 113549892	121503720 111112061	115721925	112732536	Ave		116834929				5.1		20.0			
PCB-1260 Peak 4	149271480 141048533	144840670 138545827	140233660	139803496	Ave		142290611				2.8		20.0			
PCB-1260 Peak 5	110726520 102225663	107965920 101013785	101604860	101267930	Ave		104134113				4.0		20.0			
Tetrachloro-m-xylene	1504761200 1420090020	1455978400 1391589820	1450444300	1399442840	Ave		1437051097				2.9		20.0			
DCB Decachlorobiphenyl	1436904800 1333213660	1338602600 1334275310	1327828800	1310659640	Ave		1346914135				3.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17477-1 Analy Batch No.: 62068

SDG No.:

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/21/2012 22:51 Calibration End Date: 10/22/2012 00:05 Calibration ID: 12037

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-62068/27	P1300027.D
Level 2	STD01 240-62068/28	P1300028.D
Level 3	STD02 240-62068/29	P1300029.D
Level 4	STD05 240-62068/30	P1300030.D
Level 5	STD1 240-62068/31	P1300031.D
Level 6	STD2 240-62068/32	P1300032.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1302990 39630464	2436057	4591551	10562811	20522052	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	2716165 82613093	5096263	9479305	22222441	43028180	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	5034554 169334332	9503247	18023698	43856306	86921748	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	2214859 70483896	4151320	7710403	18332287	36030617	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	1955492 68540290	3904064	6834098	17643709	34526619	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	3688022 124581130	6962734	13386031	31938771	63406259	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	Lin1	7772445 144653625	8255175	15606161	38322383	73993635	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	6319472 222224121	12150372	23144385	56366268	113549892	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	7463574 277091654	14484067	28046732	69901748	141048533	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	5536326 202027569	10796592	20320972	50633965	102225663	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	3761903 139158982	7279892	14504443	34986071	71004501	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	3592262 133427531	6693013	13278288	32766491	66660683	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300027.D		
Lims ID:	STD005 1660	Client ID:	
Inject. Date:	21-Oct-2012 22:51:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014228-027		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	62068	Lims Sample ID:	27
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:10	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	6515268	0.002854			
2	2	1.650	1.651	-0.001	3761903	0.002618			
						RPD = 8.63			
6 PCB-1016									M
1	100	1.587	1.587	0.000	2378530	0.0585		100.0	M
1	2	1.896	1.896	0.000	4305568	0.0599	149.3- 199.3	181.0	
1	3	2.322	2.323	-0.001	9025258	0.0581	350.2- 400.2	379.4	
1	4	2.453	2.453	0.000	3599059	0.0558	130.7- 180.7	151.3	
1	5	2.866	2.867	-0.001	4030278	0.0594	137.9- 187.9	169.4	
			Average of Peak Amounts =			0.0584			
2	6	2.147	2.147	0.000	1302990	0.0580		100.0	
2	7	2.571	2.571	0.000	2716165	0.0579	176.5- 236.5	208.5	
2	8	3.052	3.054	-0.002	5034554	0.0554	362.5- 422.5	386.4	
2	9	3.200	3.201	-0.001	2214859	0.0572	137.9- 197.9	170.0	
2	10	3.854	3.854	0.000	1955492	0.0542	118.8- 178.8	150.1	
			Average of Peak Amounts =			0.0565			
						RPD = 3.15			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.159	4.160	-0.001	5790356	0.0571		100.0	
1	2	4.468	4.469	-0.001	11359656	0.0566	175.1- 225.1	196.2	
1	3	4.767	4.767	0.000	11034928	0.0552	173.2- 223.2	190.6	
1	4	5.518	5.518	0.000	14474481	0.0533	244.1- 294.1	250.0	
1	5	5.822	5.820	0.002	6832617	0.0529	101.5- 151.5	118.0	
			Average of Peak Amounts =			0.0550			
2	6	5.141	5.141	0.000	3688022	0.0553		100.0	
2	7	5.386	5.389	-0.003	7772445	0.0671	86.6- 146.6	210.7	
2	8	5.777	5.776	0.001	6319472	0.0541	142.9- 202.9	171.4	
2	9	6.508	6.509	-0.001	7463574	0.0525	179.5- 239.5	202.4	
2	10	6.910	6.910	0.000	5536326	0.0532	121.8- 181.8	150.1	
			Average of Peak Amounts =			0.0564			
						RPD = 2.55			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	6277448	0.002689			
2	2	8.223	8.224	-0.001	3592262	0.002667			
						RPD = 0.81			

QC Flag Legend

Review Flags
M - Manually Integrated

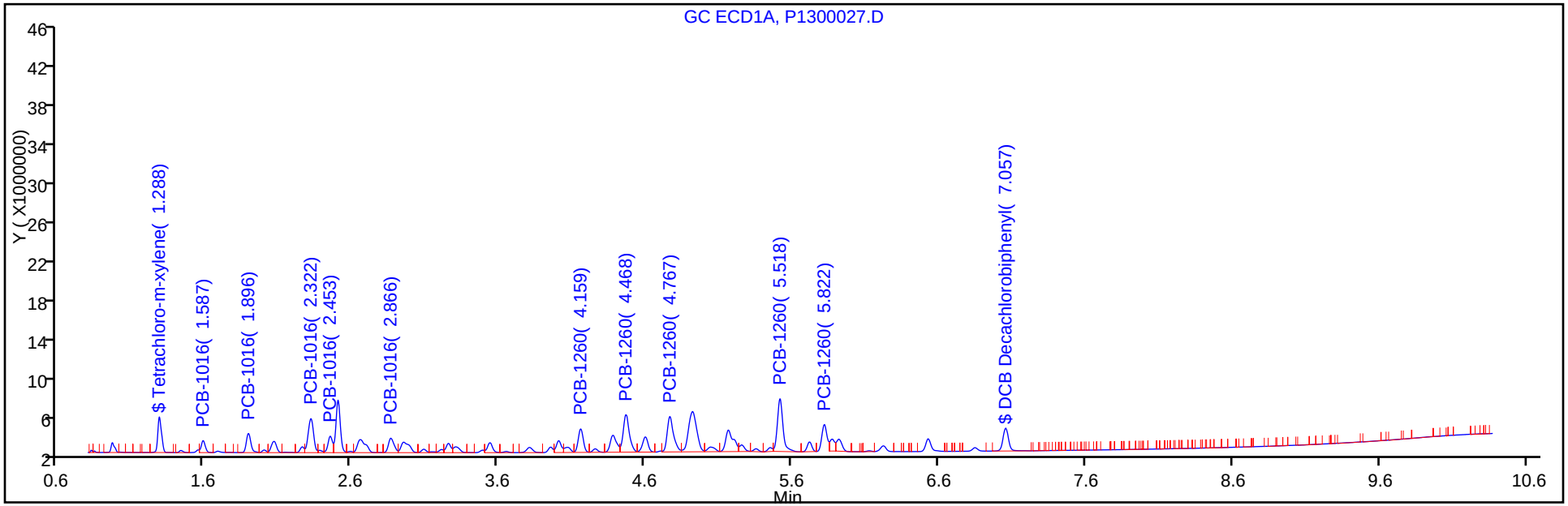
Report Date: 22-Oct-2012 09:18:11 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

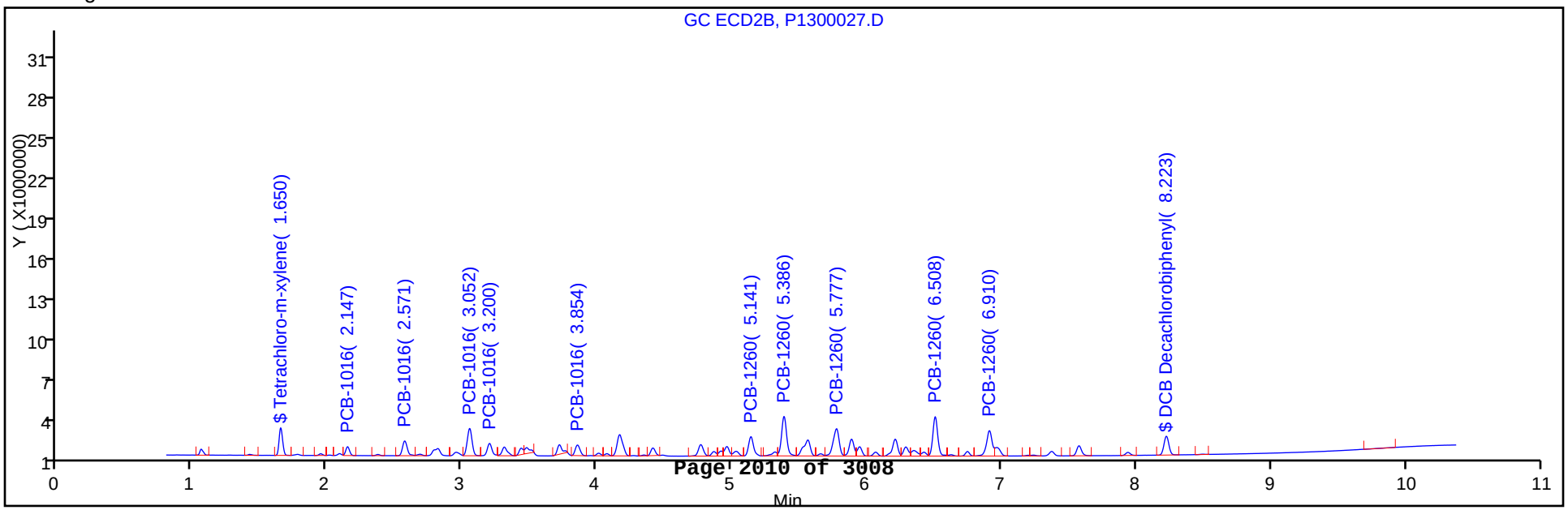
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300027.D

Injection Date:	21-Oct-2012 22:51:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	27
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300028.D		
Lims ID:	STD01 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:06:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0014228-028		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	62068	Lims Sample ID:	28
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:08	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:08:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	12350427	0.005410			
2	2	1.651	1.651	0.000	7279892	0.005066			
						RPD = 6.57			
6 PCB-1016									M
1	100	1.587	1.587	0.000	4487962	0.1104		100.0	M
1	2	1.897	1.896	0.001	7991089	0.1112	149.3- 199.3	178.1	
1	3	2.322	2.323	-0.001	16751406	0.1079	350.2- 400.2	373.3	
1	4	2.453	2.453	0.000	6720413	0.1042	130.7- 180.7	149.7	
1	5	2.867	2.867	0.000	7217906	0.1064	137.9- 187.9	160.8	
			Average of Peak Amounts =			0.1080			
2	6	2.147	2.147	0.000	2436057	0.1084		100.0	
2	7	2.572	2.571	0.001	5096263	0.1086	176.5- 236.5	209.2	
2	8	3.052	3.054	-0.002	9503247	0.1046	362.5- 422.5	390.1	
2	9	3.201	3.201	0.000	4151320	0.1072	137.9- 197.9	170.4	
2	10	3.853	3.854	-0.001	3904064	0.1082	118.8- 178.8	160.3	
			Average of Peak Amounts =			0.1074			
						RPD = 0.56			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.161	4.160	0.001	10778948	0.1063		100.0	
1	2	4.469	4.469	0.000	21526889	0.1073	175.1- 225.1	199.7	
1	3	4.768	4.767	0.001	21160207	0.1058	173.2- 223.2	196.3	
1	4	5.517	5.518	-0.001	28452670	0.1047	244.1- 294.1	264.0	
1	5	5.821	5.820	0.001	13451588	0.1042	101.5- 151.5	124.8	
			Average of Peak Amounts =			0.1057			
2	6	5.141	5.141	0.000	6962734	0.1045		100.0	
2	7	5.387	5.389	-0.002	8255175	0.0740	86.6- 146.6	118.6	
2	8	5.775	5.776	-0.001	12150372	0.1040	142.9- 202.9	174.5	
2	9	6.509	6.509	0.000	14484067	0.1018	179.5- 239.5	208.0	
2	10	6.911	6.910	0.001	10796592	0.1037	121.8- 181.8	155.1	
			Average of Peak Amounts =			0.0976			
						RPD = 7.93			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	11994219	0.005137			
2	2	8.224	8.224	0.000	6693013	0.004969			
						RPD = 3.33			

QC Flag Legend

Review Flags
M - Manually Integrated

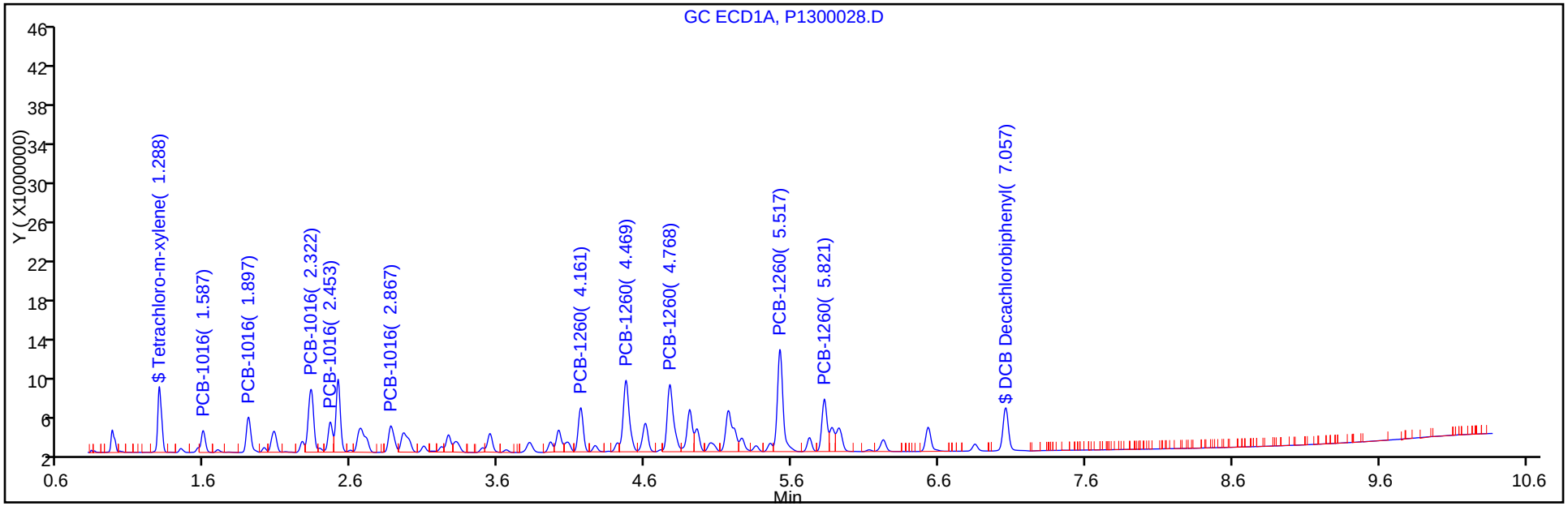
Report Date: 22-Oct-2012 09:18:09 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

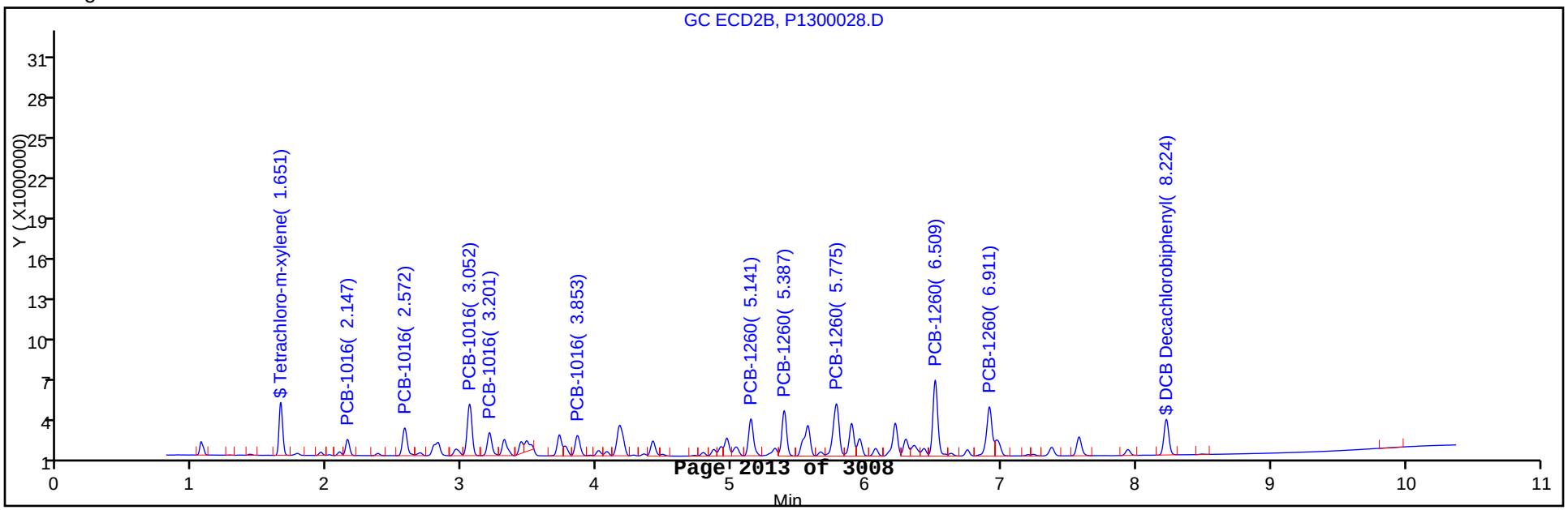
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300028.D

Injection Date:	21-Oct-2012 23:06:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	28
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D		
Lims ID:	STD02 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:21:13	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0014228-029		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	62068	Lims Sample ID:	29
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:06	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	23972590	0.0105			
2	2	1.651	1.651	0.000	14504443	0.0101			
						RPD = 3.96			
6 PCB-1016									M
1	100	1.587	1.587	0.000	8412969	0.2069		100.0	M
1	2	1.896	1.896	0.000	14667607	0.2041	149.3- 199.3	174.3	
1	3	2.322	2.323	-0.001	31562070	0.2033	350.2- 400.2	375.2	
1	4	2.453	2.453	0.000	13101772	0.2032	130.7- 180.7	155.7	
1	5	2.867	2.867	0.000	13702036	0.2019	137.9- 187.9	162.9	
			Average of Peak Amounts =			0.2039			
2	6	2.147	2.147	0.000	4591551	0.2043		100.0	
2	7	2.571	2.571	0.000	9479305	0.2021	176.5- 236.5	206.5	
2	8	3.053	3.054	-0.001	18023698	0.1984	362.5- 422.5	392.5	
2	9	3.201	3.201	0.000	7710403	0.1991	137.9- 197.9	167.9	
2	10	3.854	3.854	0.000	6834098	0.1895	118.8- 178.8	148.8	
			Average of Peak Amounts =			0.1987			
						RPD = 2.59			

Report Date: 22-Oct-2012 09:18:07 Chrom Revision: 2.0 12-Oct-2012 03:41:20
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	20334104	0.2006		100.0	
1	2	4.468	4.469	-0.001	40686304	0.2028	175.1- 225.1	200.1	
1	3	4.768	4.767	0.001	40310366	0.2015	173.2- 223.2	198.2	
1	4	5.518	5.518	0.000	54709873	0.2013	244.1- 294.1	269.1	
1	5	5.820	5.820	0.000	25719142	0.1991	101.5- 151.5	126.5	
			Average of Peak Amounts =			0.2011			
2	6	5.141	5.141	0.000	13386031	0.2008		100.0	
2	7	5.388	5.389	-0.001	15606161	0.1787	86.6- 146.6	116.6	
2	8	5.776	5.776	0.000	23144385	0.1981	142.9- 202.9	172.9	
2	9	6.509	6.509	0.000	28046732	0.1971	179.5- 239.5	209.5	
2	10	6.911	6.910	0.001	20320972	0.1951	121.8- 181.8	151.8	
			Average of Peak Amounts =			0.1940			
						RPD = 3.59			
$ 12 DCB Decachlorobiphenyl									
1	100	7.058	7.056	0.002	23149148	0.0099			
2	2	8.224	8.224	0.000	13278288	0.009858			
						RPD = 0.58			

QC Flag Legend

Review Flags
M - Manually Integrated

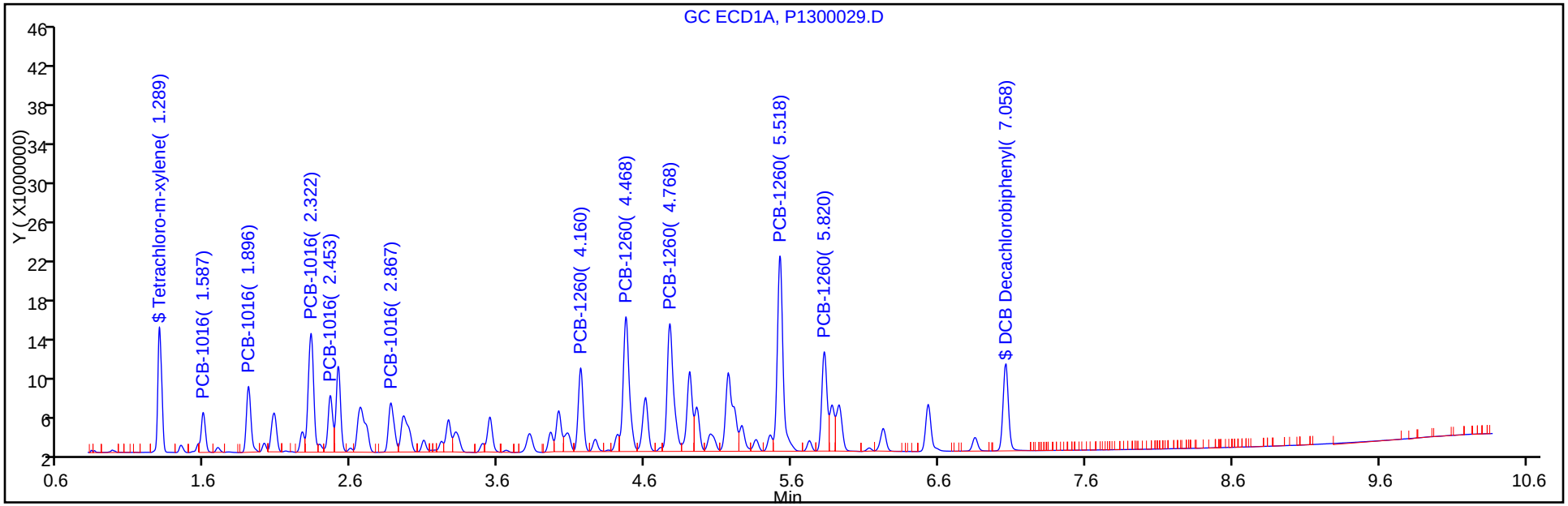
Report Date: 22-Oct-2012 09:18:08 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

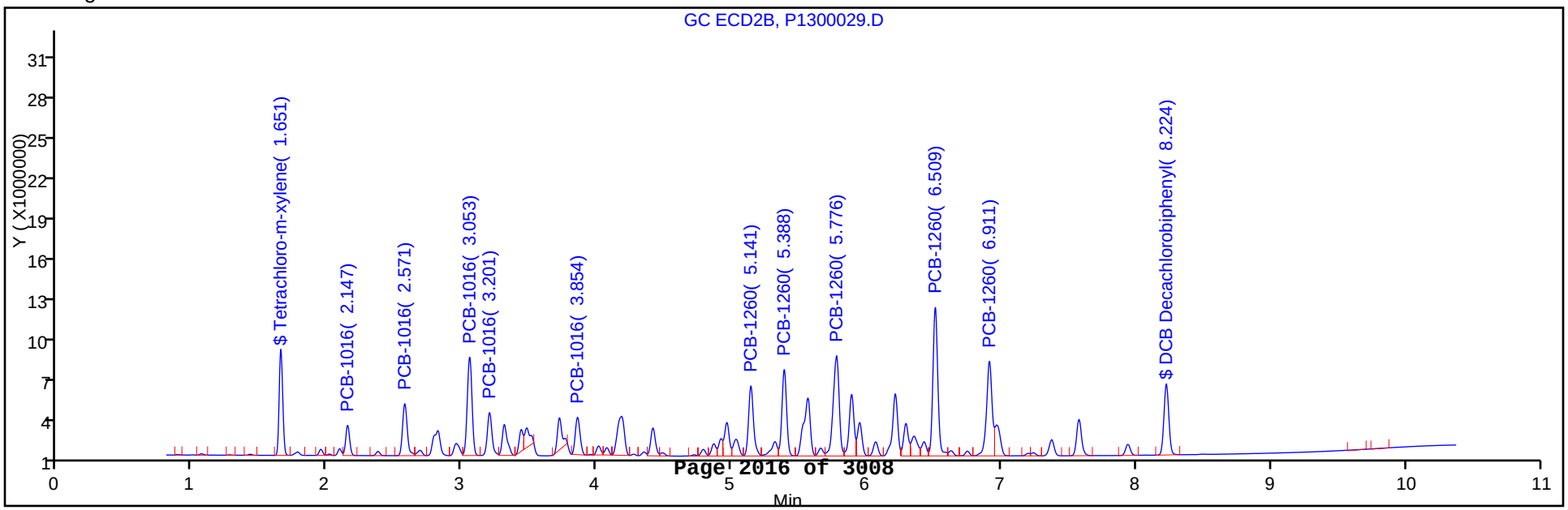
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300029.D

Injection Date:	21-Oct-2012 23:21:13	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300030.D		
Lims ID:	STD05 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:36:05	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	4
Sample ID:	240-0014228-030		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	62068	Lims Sample ID:	30
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:05	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	54915010	0.0241			
2	2	1.651	1.651	0.000	34986071	0.0243			
						RPD = 1.20			
6 PCB-1016									M
1	100	1.587	1.587	0.000	20015250	0.4923		100.0	M
1	2	1.896	1.896	0.000	34227045	0.4762	149.3- 199.3	171.0	
1	3	2.323	2.323	0.000	74790478	0.4818	350.2- 400.2	373.7	
1	4	2.453	2.453	0.000	31738380	0.4923	130.7- 180.7	158.6	
1	5	2.867	2.867	0.000	31854695	0.4695	137.9- 187.9	159.2	
			Average of Peak Amounts =			0.4824			
2	6	2.147	2.147	0.000	10562811	0.4700		100.0	
2	7	2.571	2.571	0.000	22222441	0.4737	176.5- 236.5	210.4	
2	8	3.054	3.054	0.000	43856306	0.4827	362.5- 422.5	415.2	
2	9	3.201	3.201	0.000	18332287	0.4735	137.9- 197.9	173.6	
2	10	3.854	3.854	0.000	17643709	0.4892	118.8- 178.8	167.0	
			Average of Peak Amounts =			0.4778			
						RPD = 0.96			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	49081976	0.4843		100.0	
1	2	4.469	4.469	0.000	96503363	0.4810	175.1- 225.1	196.6	
1	3	4.767	4.767	0.000	98055137	0.4902	173.2- 223.2	199.8	
1	4	5.518	5.518	0.000	134891779	0.4963	244.1- 294.1	274.8	
1	5	5.820	5.820	0.000	64122168	0.4965	101.5- 151.5	130.6	
			Average of Peak Amounts =			0.4896			
2	6	5.141	5.141	0.000	31938771	0.4792		100.0	
2	7	5.389	5.389	0.000	38322383	0.5024	86.6- 146.6	120.0	
2	8	5.776	5.776	0.000	56366268	0.4824	142.9- 202.9	176.5	
2	9	6.509	6.509	0.000	69901748	0.4913	179.5- 239.5	218.9	
2	10	6.910	6.910	0.000	50633965	0.4862	121.8- 181.8	158.5	
			Average of Peak Amounts =			0.4883			
						RPD = 0.27			
$ 12 DCB Decachlorobiphenyl									
1	100	7.056	7.056	0.000	56634146	0.0243			
2	2	8.224	8.224	0.000	32766491	0.0243			
						RPD = 0.28			

QC Flag Legend

Review Flags
M - Manually Integrated

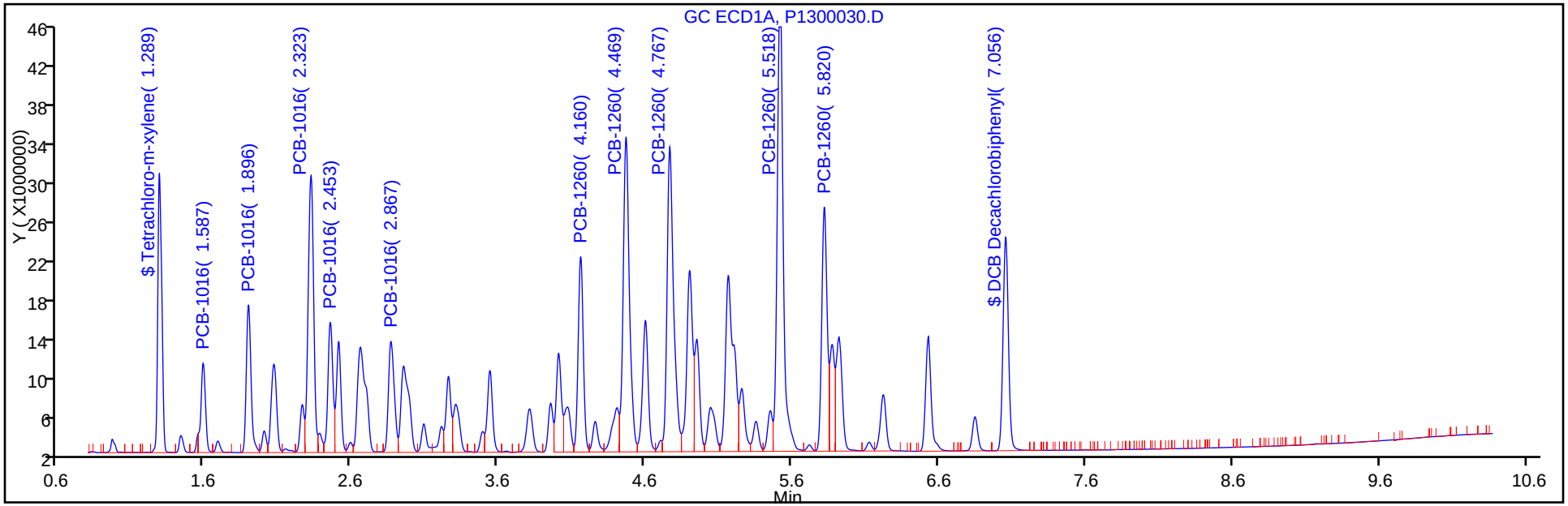
Report Date: 22-Oct-2012 09:18:06 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

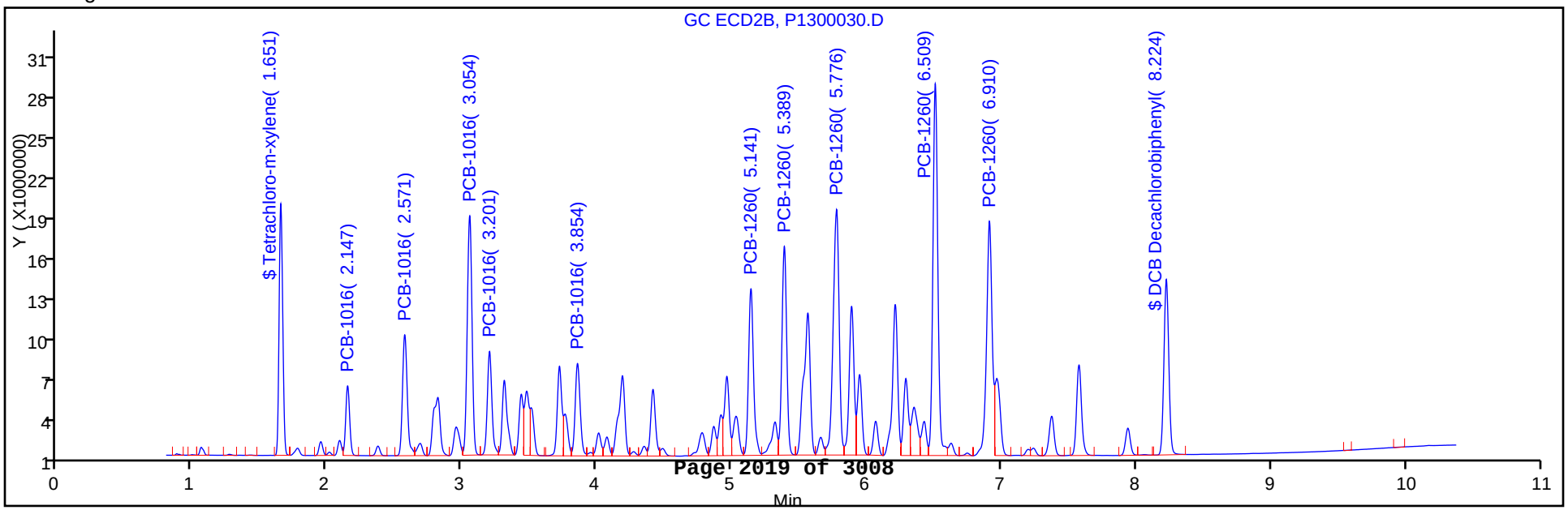
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300030.D

Injection Date:	21-Oct-2012 23:36:05	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300031.D		
Lims ID:	STD1 1660	Client ID:	
Inject. Date:	21-Oct-2012 23:50:59	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014228-031		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	62068	Lims Sample ID:	31
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:03	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.289	1.289	0.000	105139798	0.0461			
2	2	1.652	1.651	0.001	71004501	0.0494			
						RPD = 7.03			
6 PCB-1016									M
1	100	1.588	1.587	0.001	36354352	0.8942		100.0	M
1	2	1.897	1.896	0.001	64408075	0.8961	149.3- 199.3	177.2	
1	3	2.323	2.323	0.000	142796313	0.9200	350.2- 400.2	392.8	
1	4	2.454	2.453	0.001	60751481	0.9423	130.7- 180.7	167.1	
1	5	2.868	2.867	0.001	62498314	0.9211	137.9- 187.9	171.9	
			Average of Peak Amounts =			0.9147			
2	6	2.148	2.147	0.001	20522052	0.9132		100.0	
2	7	2.572	2.571	0.001	43028180	0.9172	176.5- 236.5	209.7	
2	8	3.053	3.054	-0.001	86921748	0.9567	362.5- 422.5	423.6	
2	9	3.200	3.201	-0.001	36030617	0.9306	137.9- 197.9	175.6	
2	10	3.853	3.854	-0.001	34526619	0.9573	118.8- 178.8	168.2	
			Average of Peak Amounts =			0.9350			
						RPD = 2.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	94842713	0.9357		100.0	
1	2	4.468	4.469	-0.001	187849831	0.9363	175.1- 225.1	198.1	
1	3	4.768	4.767	0.001	190365810	0.9516	173.2- 223.2	200.7	
1	4	5.518	5.518	0.000	263611969	0.9698	244.1- 294.1	277.9	
1	5	5.821	5.820	0.001	126153832	0.9768	101.5- 151.5	133.0	
			Average of Peak Amounts =			0.9541			
2	6	5.142	5.141	0.001	63406259	0.9514		100.0	
2	7	5.388	5.389	-0.001	73993635	1.01	86.6- 146.6	116.7	
2	8	5.777	5.776	0.001	113549892	0.9719	142.9- 202.9	179.1	
2	9	6.509	6.509	0.000	141048533	0.99	179.5- 239.5	222.5	
2	10	6.912	6.910	0.002	102225663	0.9817	121.8- 181.8	161.2	
			Average of Peak Amounts =			0.9813			
						RPD = 2.82			
$ 12 DCB Decachlorobiphenyl									
1	100	7.057	7.056	0.001	114326720	0.0490			
2	2	8.224	8.224	0.000	66660683	0.0495			
						RPD = 1.06			

QC Flag Legend

Review Flags
M - Manually Integrated

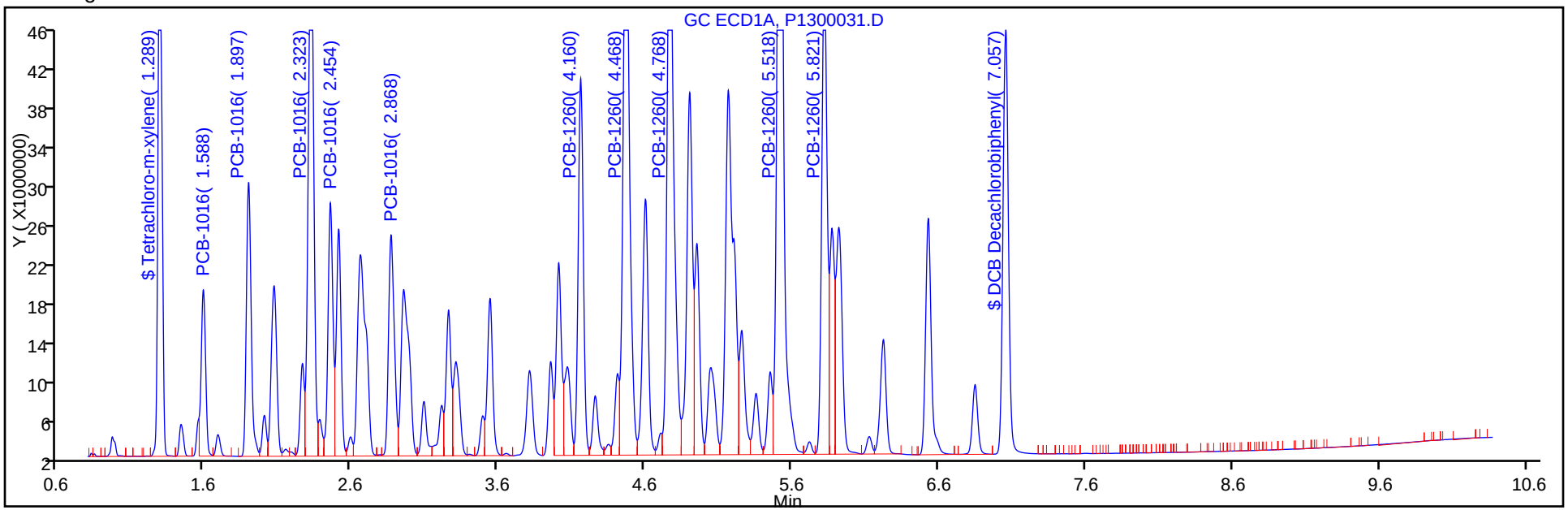
Report Date: 22-Oct-2012 09:18:04 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

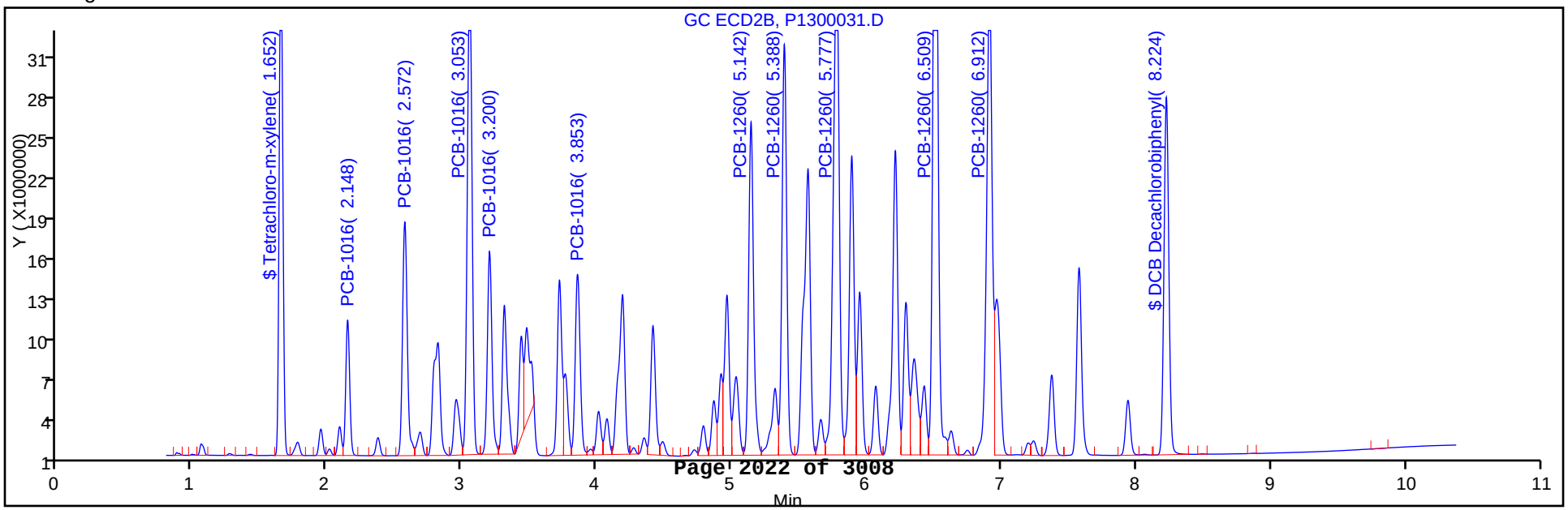
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300031.D

Injection Date:	21-Oct-2012 23:50:59	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300032.D		
Lims ID:	STD2 1660	Client ID:	
Inject. Date:	22-Oct-2012 00:05:52	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014228-032		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 ul	ALS Bottle#:	32
Lims Batch ID:	62068	Lims Sample ID:	32
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m		
Last Update:	22-Oct-2012 09:18:01	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK013		

First Level Reviewer: hassl Date: 22-Oct-2012 09:09:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.288	1.289	-0.001	192435742	0.0843			
2	2	1.650	1.651	-0.001	139158982	0.0968			
						RPD = 13.85			
6 PCB-1016									M
1	100	1.586	1.587	-0.001	66066688	1.63		100.0	M
1	2	1.895	1.896	-0.001	118078883	1.64	149.3- 199.3	178.7	
1	3	2.322	2.323	-0.001	266203057	1.72	350.2- 400.2	402.9	
1	4	2.452	2.453	-0.001	115825317	1.80	130.7- 180.7	175.3	
1	5	2.867	2.867	0.000	119184603	1.76	137.9- 187.9	180.4	
			Average of Peak Amounts =			1.71			
2	6	2.147	2.147	0.000	39630464	1.76		100.0	
2	7	2.571	2.571	0.000	82613093	1.76	176.5- 236.5	208.5	
2	8	3.053	3.054	-0.001	169334332	1.86	362.5- 422.5	427.3	
2	9	3.201	3.201	0.000	70483896	1.82	137.9- 197.9	177.9	
2	10	3.853	3.854	-0.001	68540290	1.90	118.8- 178.8	172.9	
			Average of Peak Amounts =			1.82			
						RPD = 6.50			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.159	4.160	-0.001	179720110	1.77		100.0	
1	2	4.469	4.469	0.000	354090911	1.76	175.1- 225.1	197.0	
1	3	4.767	4.767	0.000	359861421	1.80	173.2- 223.2	200.2	
1	4	5.518	5.518	0.000	499797077	1.84	244.1- 294.1	278.1	
1	5	5.820	5.820	0.000	241501643	1.87	101.5- 151.5	134.4	
			Average of Peak Amounts =			1.81			
2	6	5.140	5.141	-0.001	124581130	1.87		100.0	
2	7	5.388	5.389	-0.001	144653625	2.02	86.6- 146.6	116.1	
2	8	5.776	5.776	0.000	222224121	1.90	142.9- 202.9	178.4	
2	9	6.509	6.509	0.000	277091654	1.95	179.5- 239.5	222.4	
2	10	6.911	6.910	0.001	202027569	1.94	121.8- 181.8	162.2	
			Average of Peak Amounts =			1.94			
						RPD = 6.73			
$ 12 DCB Decachlorobiphenyl									
1	100	7.054	7.056	-0.002	223131818	0.0956			
2	2	8.224	8.224	0.000	133427531	0.0991			
						RPD = 3.58			

QC Flag Legend

Review Flags
M - Manually Integrated

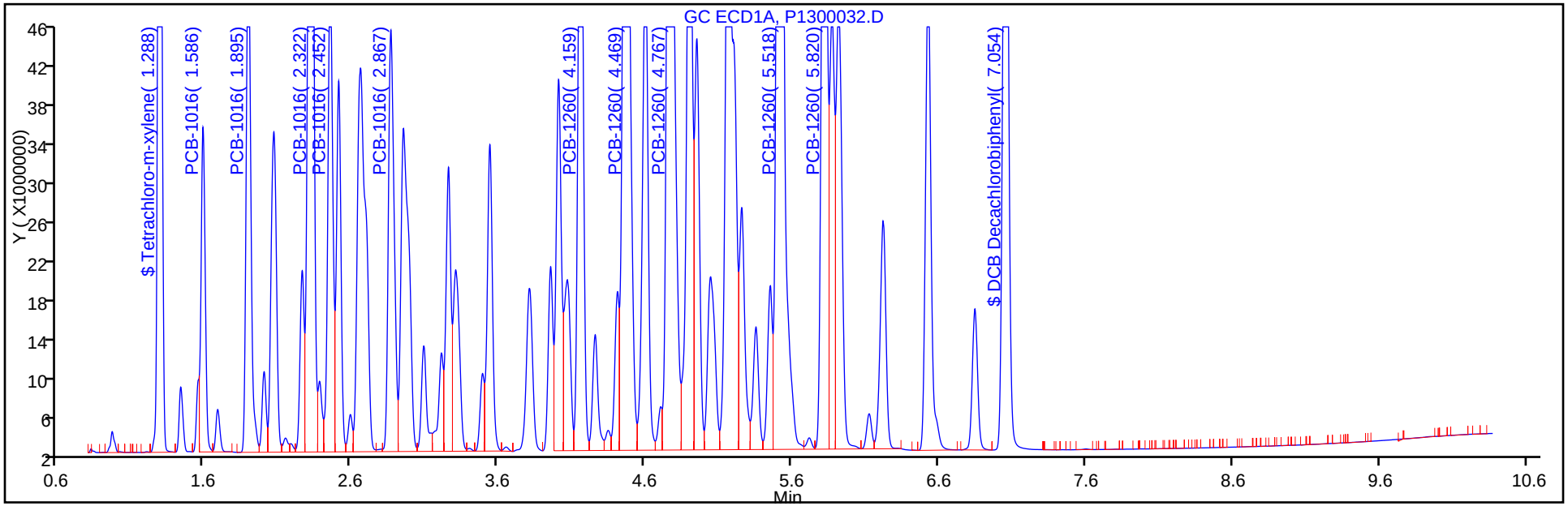
Report Date: 22-Oct-2012 09:18:02 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

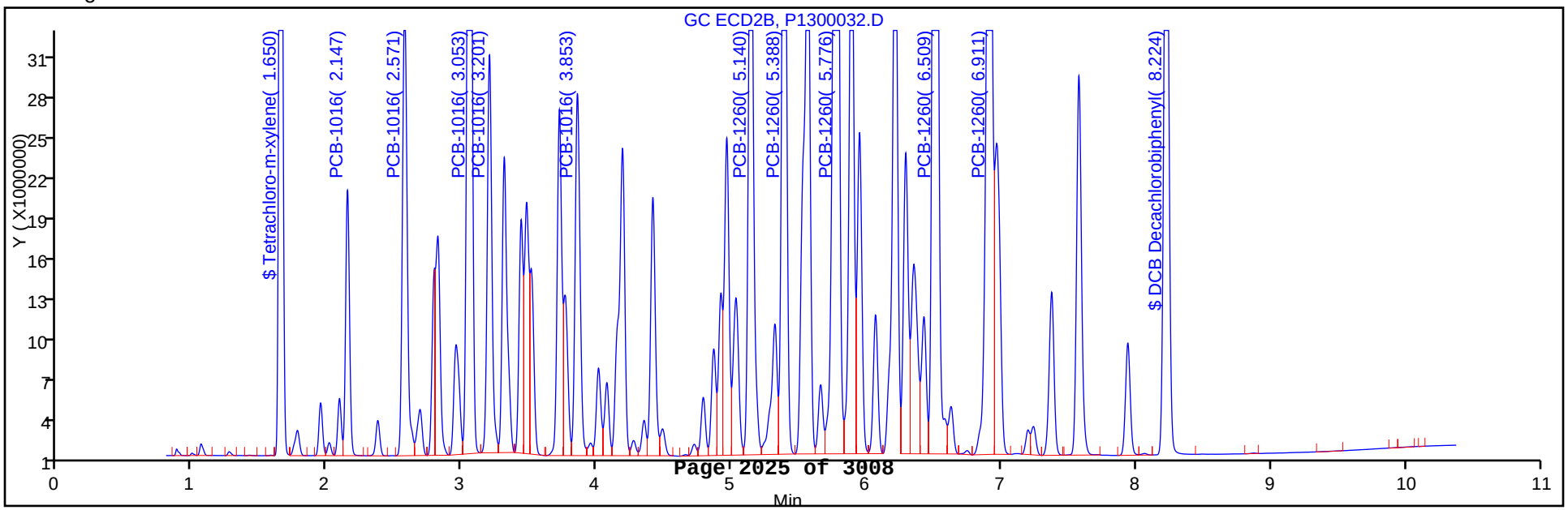
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300032.D

Injection Date:	22-Oct-2012 00:05:52	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	32
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300045.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	21610860	20320734		0.940	1.00	-6.0	20.0
PCB-1221 Peak 2	Qua		7360657		0.960	1.00	-4.0	20.0
PCB-1221 Peak 3	Ave	56991135	50457393		0.885	1.00	-11.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.44	1.39	1.49
PCB-1221 Peak 2	1.56	1.50	1.60
PCB-1221 Peak 3	1.59	1.54	1.64

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D
Lims ID: ICV 1221 Client ID:
Inject. Date: 22-Oct-2012 03:19:31 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-045
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 62068 Lims Sample ID: 45
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:20:04 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:10:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	20320734	0.9403		100.0	
1	3	1.557	1.554	0.003	7360657	0.9603	25.0- 75.0	36.2	M
1	4	1.587	1.586	0.001	50457393	0.8854	233.2- 283.2	248.3	M
			Average of Peak Amounts =			0.9286			
2	4	1.947	1.948	-0.001	12351132	0.9324		100.0	
2	5	2.087	2.088	-0.001	8147286	0.9273	37.0- 97.0	66.0	
2	6	2.147	2.148	-0.001	29820772	0.9386	210.7- 270.7	241.4	
			Average of Peak Amounts =			0.9328			
						RPD = 0.44			

QC Flag Legend

Review Flags
M - Manually Integrated

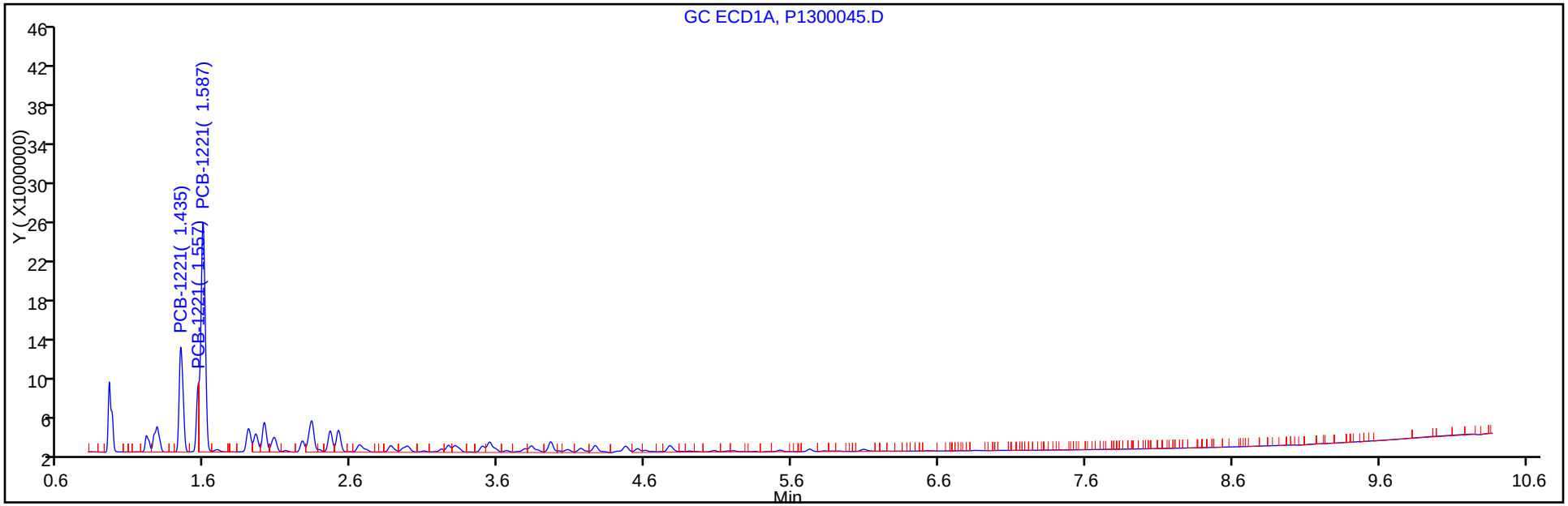
Report Date: 22-Oct-2012 09:20:05 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

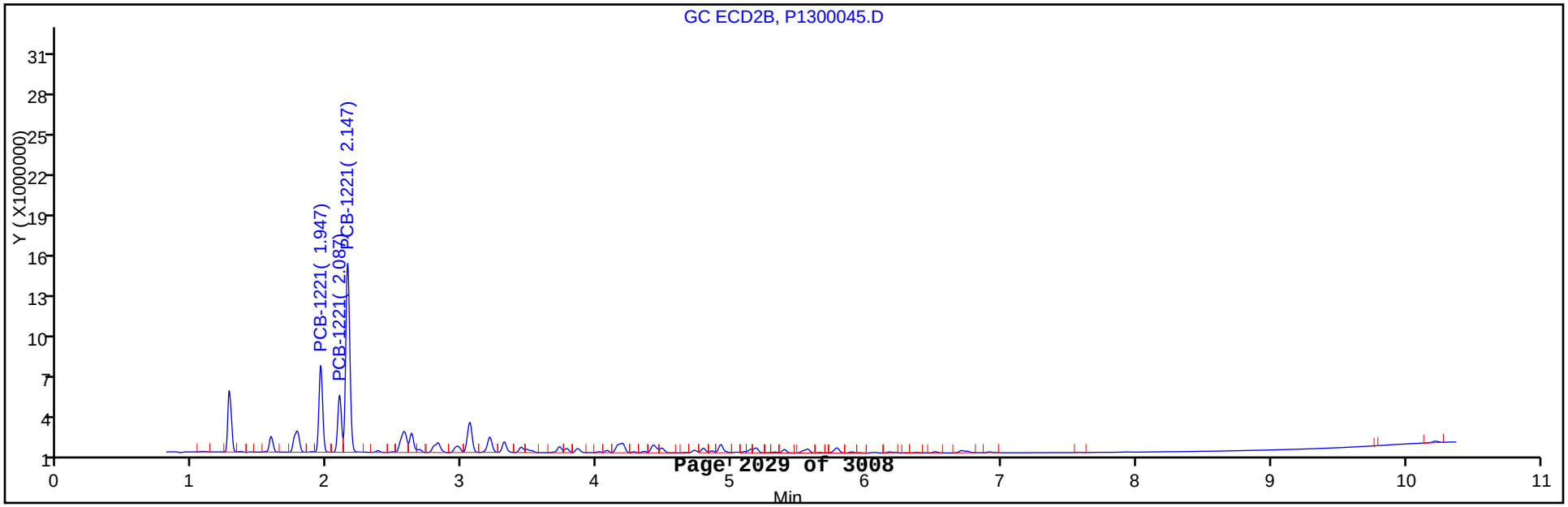
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D

Injection Date:	22-Oct-2012 03:19:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	45
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



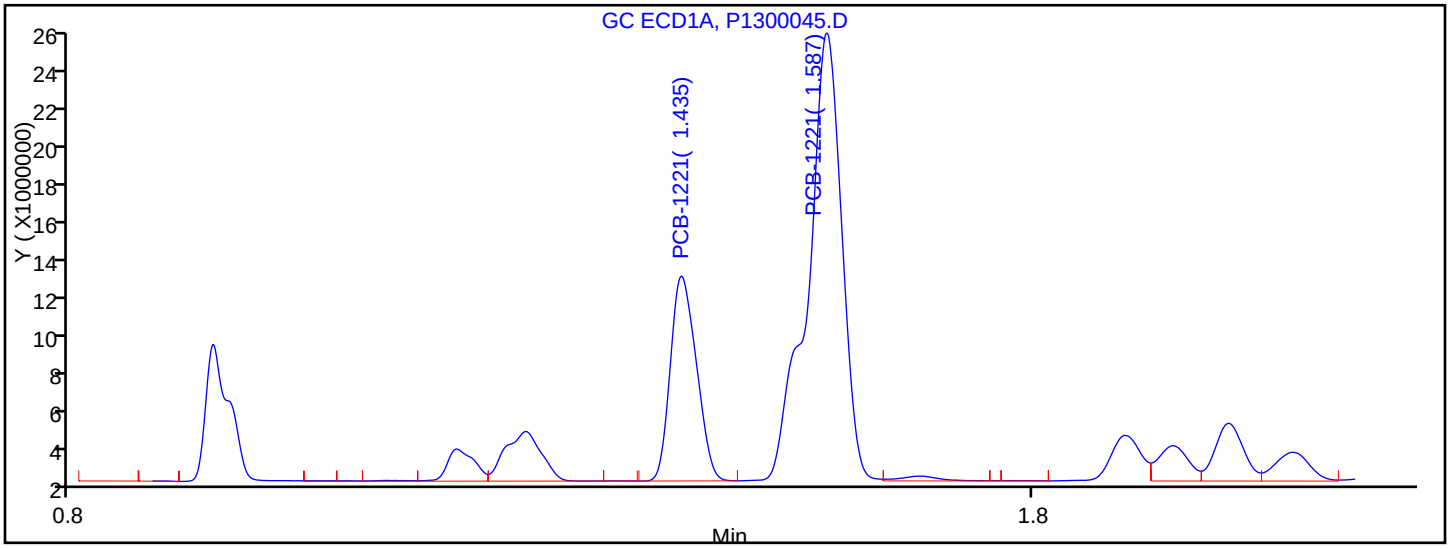
Report Date: 22-Oct-2012 09:20:05 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D

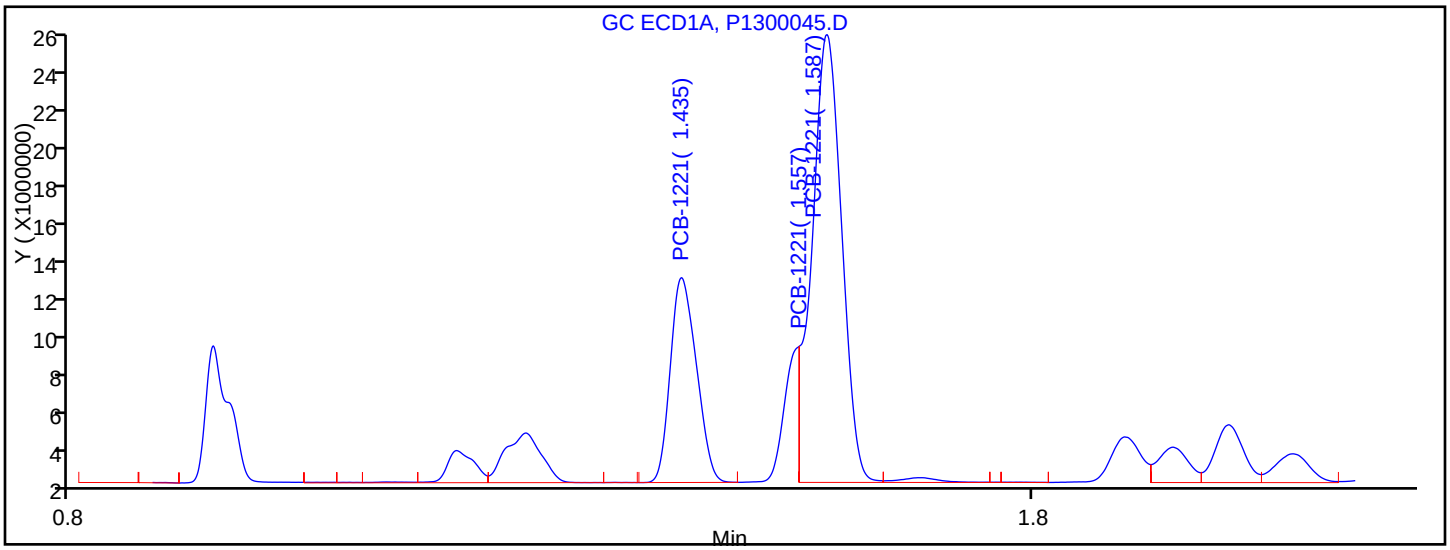
Injection Date:	22-Oct-2012 03:19:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	45
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

3 PCB-1221, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.435	Response = 20320734	
RT = 1.586	Response = 0	M
RT = 1.587	Response = 57818081	M



Manual Integration Results

RT = 1.435	Response = 20320734	
RT = 1.557	Response = 7360657	M
RT = 1.587	Response = 50457393	M

Reviewer: hassl, 22-Oct-2012 09:10:49

Audit Action: Manually Integrated/Assigned Compound ID

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300045.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	13246658	12351132		0.932	1.00	-6.8	20.0
PCB-1221 Peak 2	Ave	8785681	8147286		0.927	1.00	-7.3	20.0
PCB-1221 Peak 3	Ave	31772831	29820772		0.939	1.00	-6.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/45 Calibration Date: 10/22/2012 03:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300045.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.95	1.90	2.00
PCB-1221 Peak 2	2.09	2.04	2.14
PCB-1221 Peak 3	2.15	2.10	2.20

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D
Lims ID: ICV 1221 Client ID:
Inject. Date: 22-Oct-2012 03:19:31 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-045
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 62068 Lims Sample ID: 45
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:20:04 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:10:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 PCB-1221									M
1	2	1.435	1.435	0.000	20320734	0.9403		100.0	
1	3	1.557	1.554	0.003	7360657	0.9603	25.0- 75.0	36.2	M
1	4	1.587	1.586	0.001	50457393	0.8854	233.2- 283.2	248.3	M
			Average of Peak Amounts =			0.9286			
2	4	1.947	1.948	-0.001	12351132	0.9324		100.0	
2	5	2.087	2.088	-0.001	8147286	0.9273	37.0- 97.0	66.0	
2	6	2.147	2.148	-0.001	29820772	0.9386	210.7- 270.7	241.4	
			Average of Peak Amounts =			0.9328			
						RPD = 0.44			

QC Flag Legend

Review Flags
M - Manually Integrated

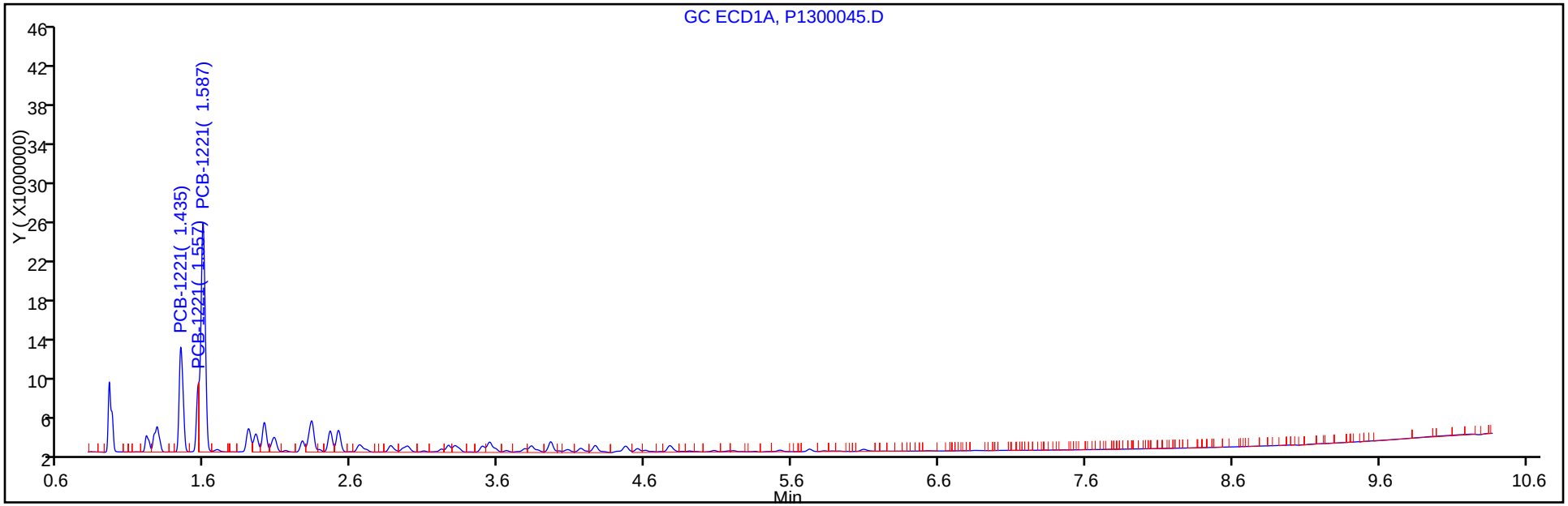
Report Date: 22-Oct-2012 09:20:05 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

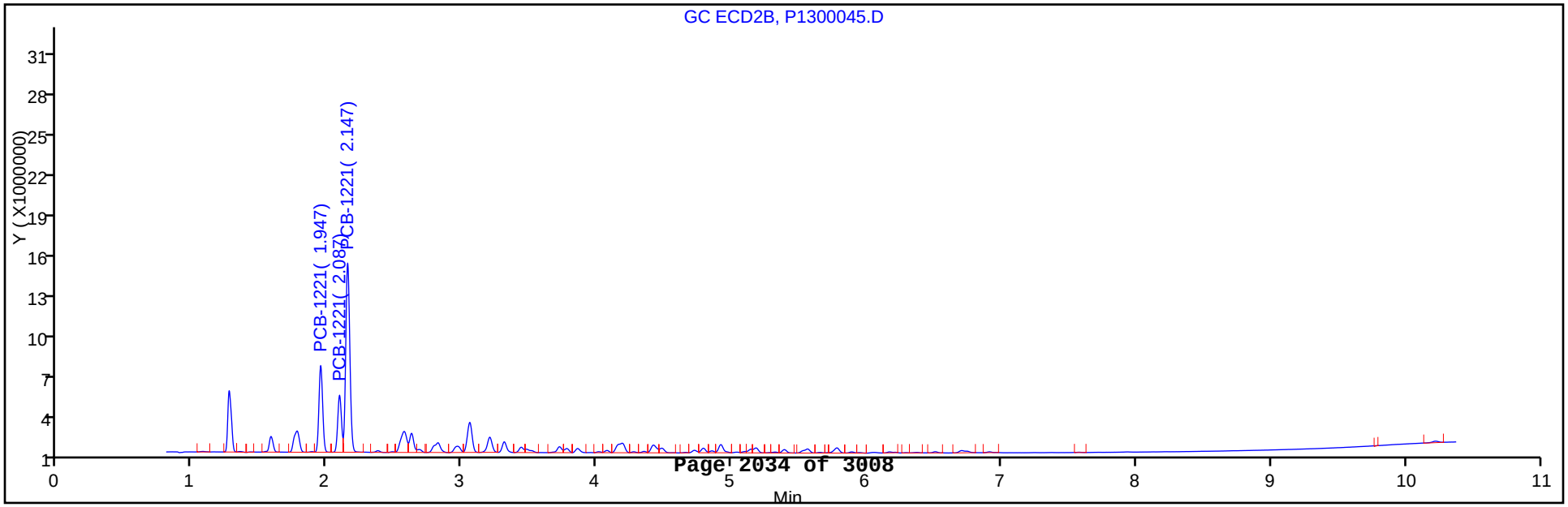
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300045.D

Injection Date:	22-Oct-2012 03:19:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	45
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 18:07

Lab File ID: P1300046.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	43047684	42447096		0.986	1.00	-1.4	20.0
PCB-1232 Peak 2	Ave	35621771	36739191		1.03	1.00	3.1	20.0
PCB-1232 Peak 3	Ave	71317840	70927508		0.995	1.00	-0.5	20.0
PCB-1232 Peak 4	Ave	27280514	32224604		1.18	1.00	18.1	20.0
PCB-1232 Peak 5	Ave	29221734	31581550		1.08	1.00	8.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 18:07

Lab File ID: P1300046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	1.59	1.54	1.64
PCB-1232 Peak 2	1.90	1.85	1.95
PCB-1232 Peak 3	2.32	2.27	2.37
PCB-1232 Peak 4	2.45	2.41	2.51
PCB-1232 Peak 5	2.87	2.82	2.92

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D
Lims ID: ICV 1232 Client ID:
Inject. Date: 22-Oct-2012 03:34:31 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-046
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 62068 Lims Sample ID: 46
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:11:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	42447096	0.9860		100.0	M
1	2	1.896	1.898	-0.002	36739191	1.03	57.1- 107.1	86.6	
1	3	2.324	2.323	0.001	70927508	0.99	143.5- 193.5	167.1	
1	4	2.453	2.455	-0.002	32224604	1.18	40.1- 90.1	75.9	
1	5	2.866	2.867	-0.001	31581550	1.08	41.3- 91.3	74.4	
			Average of Peak Amounts =			1.05			
2	6	2.147	2.148	-0.001	25949740	1.07		100.0	
2	7	2.571	2.573	-0.002	25300266	1.08	67.8- 127.8	97.5	
2	8	3.053	3.054	-0.001	45166344	1.11	132.2- 192.2	174.1	
2	9	3.200	3.201	-0.001	18873718	1.08	40.5- 100.5	72.7	
2	10	3.854	3.854	0.000	16323452	1.10	30.2- 90.2	62.9	
			Average of Peak Amounts =			1.09			
						RPD = 3.05			

QC Flag Legend

Review Flags
M - Manually Integrated

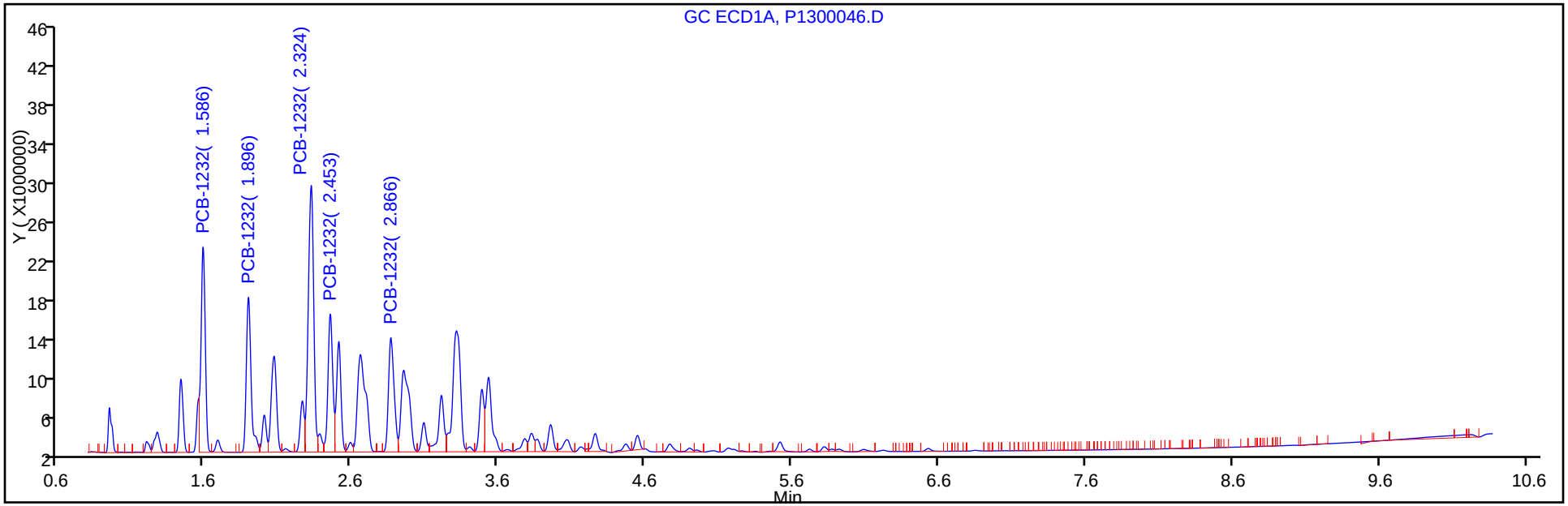
Report Date: 22-Oct-2012 09:17:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

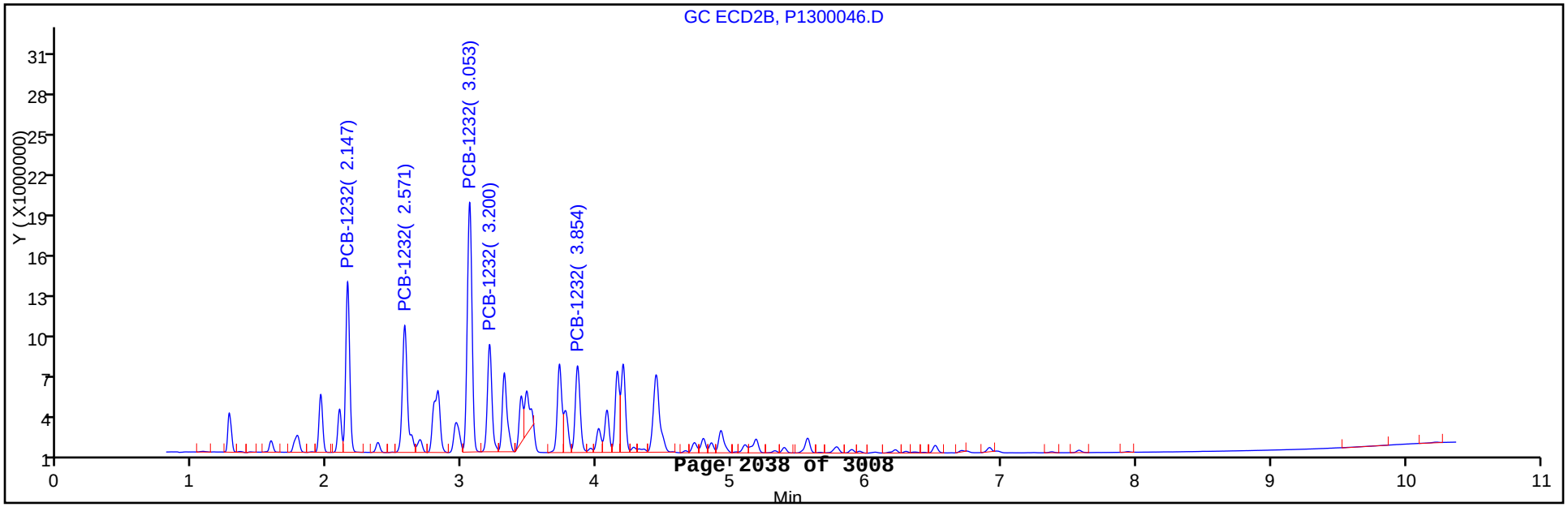
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D

Injection Date:	22-Oct-2012 03:34:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	46
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



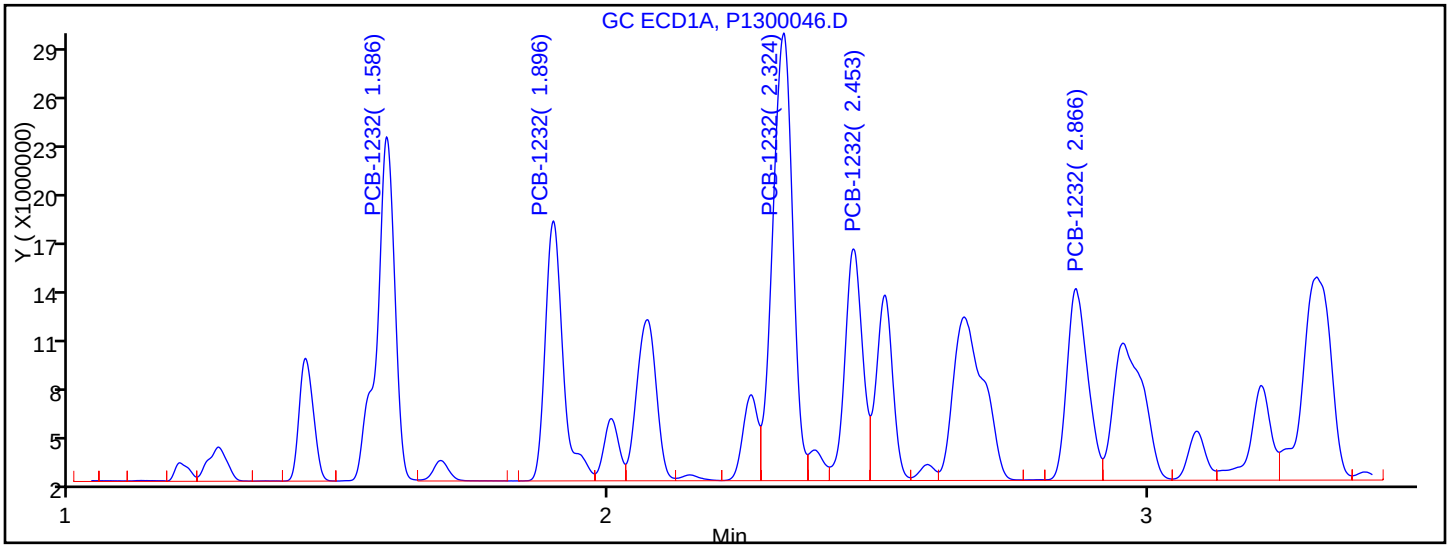
Report Date: 22-Oct-2012 09:17:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D

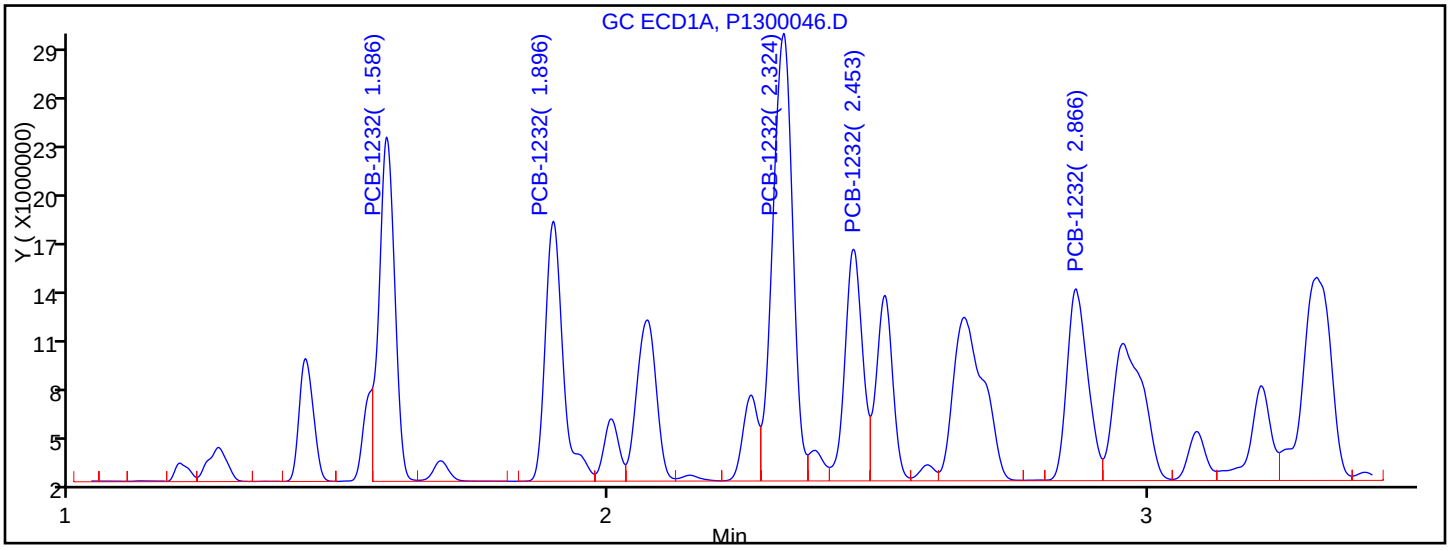
Injection Date:	22-Oct-2012 03:34:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	46
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

4 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 48960234	M
RT = 1.896	Response = 36739191	
RT = 2.324	Response = 70927508	
RT = 2.453	Response = 32224604	
RT = 2.866	Response = 31581550	



Manual Integration Results

RT = 1.586	Response = 42447096	M
RT = 1.896	Response = 36739191	
RT = 2.324	Response = 70927508	
RT = 2.453	Response = 32224604	
RT = 2.866	Response = 31581550	

Reviewer: hassl, 22-Oct-2012 09:16:14

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 18:07

Lab File ID: P1300046.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	24300815	25949740		1.07	1.00	6.8	20.0
PCB-1232 Peak 2	Ave	23466837	25300266		1.08	1.00	7.8	20.0
PCB-1232 Peak 3	Ave	40526397	45166344		1.11	1.00	11.4	20.0
PCB-1232 Peak 4	Ave	17512364	18873718		1.08	1.00	7.8	20.0
PCB-1232 Peak 5	Ave	14852933	16323452		1.10	1.00	9.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/46 Calibration Date: 10/22/2012 03:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 16:53

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 18:07

Lab File ID: P1300046.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.15	2.10	2.20
PCB-1232 Peak 2	2.57	2.52	2.62
PCB-1232 Peak 3	3.05	3.00	3.10
PCB-1232 Peak 4	3.20	3.15	3.25
PCB-1232 Peak 5	3.85	3.80	3.90

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D
Lims ID: ICV 1232 Client ID:
Inject. Date: 22-Oct-2012 03:34:31 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-046
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 46
Lims Batch ID: 62068 Lims Sample ID: 46
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:11:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									M
1	100	1.586	1.588	-0.002	42447096	0.9860		100.0	M
1	2	1.896	1.898	-0.002	36739191	1.03	57.1- 107.1	86.6	
1	3	2.324	2.323	0.001	70927508	0.99	143.5- 193.5	167.1	
1	4	2.453	2.455	-0.002	32224604	1.18	40.1- 90.1	75.9	
1	5	2.866	2.867	-0.001	31581550	1.08	41.3- 91.3	74.4	
			Average of Peak Amounts =			1.05			
2	6	2.147	2.148	-0.001	25949740	1.07		100.0	
2	7	2.571	2.573	-0.002	25300266	1.08	67.8- 127.8	97.5	
2	8	3.053	3.054	-0.001	45166344	1.11	132.2- 192.2	174.1	
2	9	3.200	3.201	-0.001	18873718	1.08	40.5- 100.5	72.7	
2	10	3.854	3.854	0.000	16323452	1.10	30.2- 90.2	62.9	
			Average of Peak Amounts =			1.09			
						RPD = 3.05			

QC Flag Legend

Review Flags
M - Manually Integrated

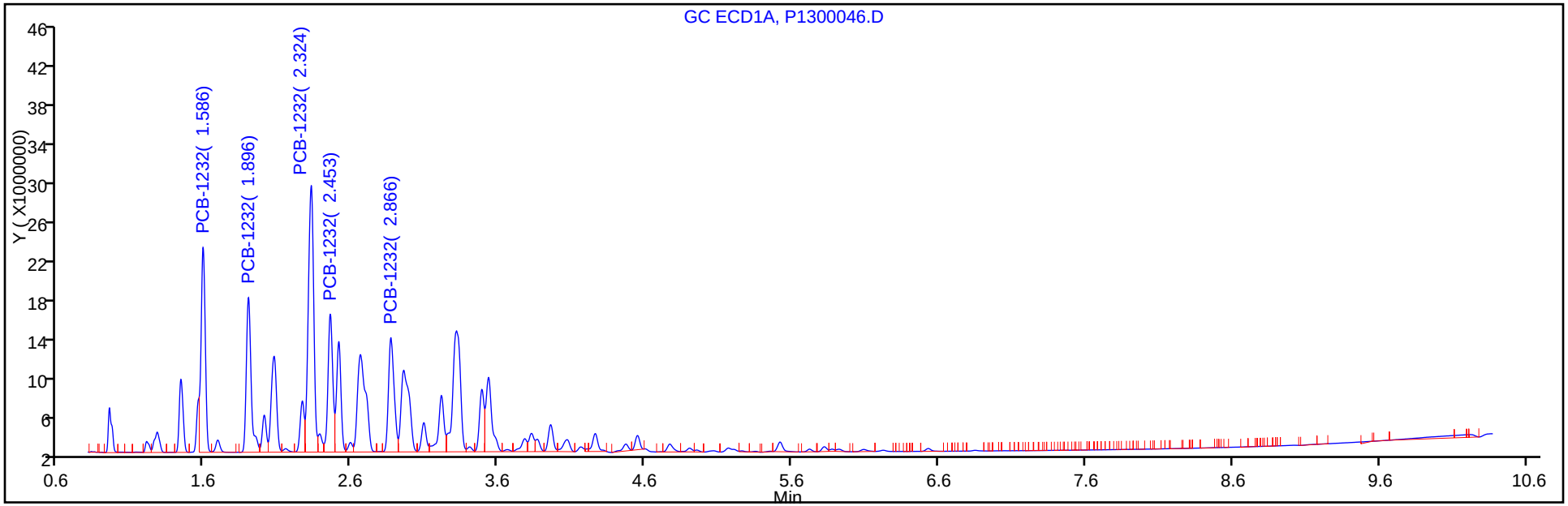
Report Date: 22-Oct-2012 09:17:41 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

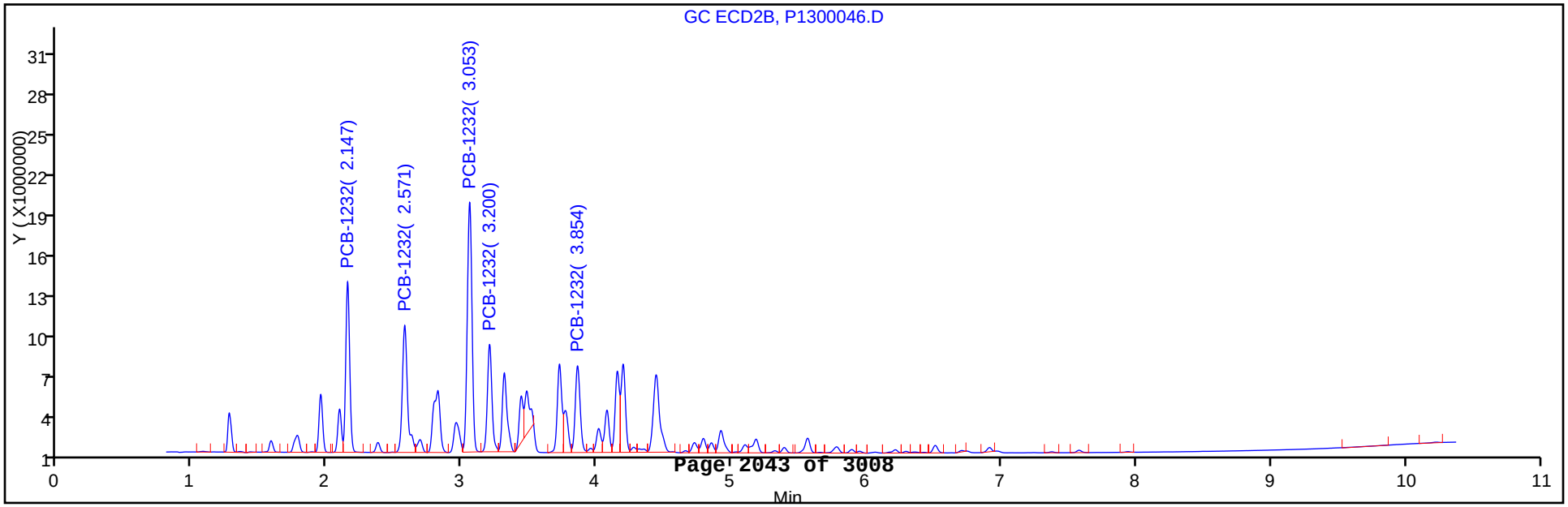
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300046.D

Injection Date:	22-Oct-2012 03:34:31	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	46
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 19:37

Lab File ID: P1300047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	32907992	31183923		0.948	1.00	-5.2	20.0
PCB-1242 Peak 2	Ave	59672785	55955291		0.938	1.00	-6.2	20.0
PCB-1242 Peak 3	Ave	127394823	113741548		0.893	1.00	-10.7	20.0
PCB-1242 Peak 4	Ave	51831636	52175029		1.01	1.00	0.7	20.0
PCB-1242 Peak 5	Ave	56160721	55256528		0.984	1.00	-1.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 19:37

Lab File ID: P1300047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	1.59	1.54	1.64
PCB-1242 Peak 2	1.90	1.85	1.95
PCB-1242 Peak 3	2.32	2.27	2.37
PCB-1242 Peak 4	2.45	2.40	2.50
PCB-1242 Peak 5	2.87	2.82	2.92

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D
Lims ID: ICV 1242 Client ID:
Inject. Date: 22-Oct-2012 03:49:26 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-047
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 62068 Lims Sample ID: 47
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:15:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.586	1.587	-0.001	31183923	0.9476		100.0	M
1	2	1.895	1.896	-0.001	55955291	0.9377	156.0- 206.0	179.4	
1	3	2.323	2.323	0.000	113741548	0.8928	355.0- 405.0	364.7	
1	4	2.454	2.454	0.000	52175029	1.01	131.0- 181.0	167.3	
1	5	2.867	2.868	-0.001	55256528	0.9839	142.4- 192.4	177.2	
			Average of Peak Amounts =			0.9537			
2	6	2.147	2.148	-0.001	17410907	0.9335		100.0	
2	7	2.571	2.573	-0.002	36507544	0.9584	176.6- 236.6	209.7	
2	8	3.053	3.053	0.000	72407501	1.00	356.3- 416.3	415.9	
2	9	3.201	3.202	-0.001	30129419	0.9667	135.8- 195.8	173.0	
2	10	3.720	3.719	0.001	27166293	0.9699	121.8- 181.8	156.0	
			Average of Peak Amounts =			0.9650			
						RPD = 1.17			

QC Flag Legend

Review Flags
M - Manually Integrated

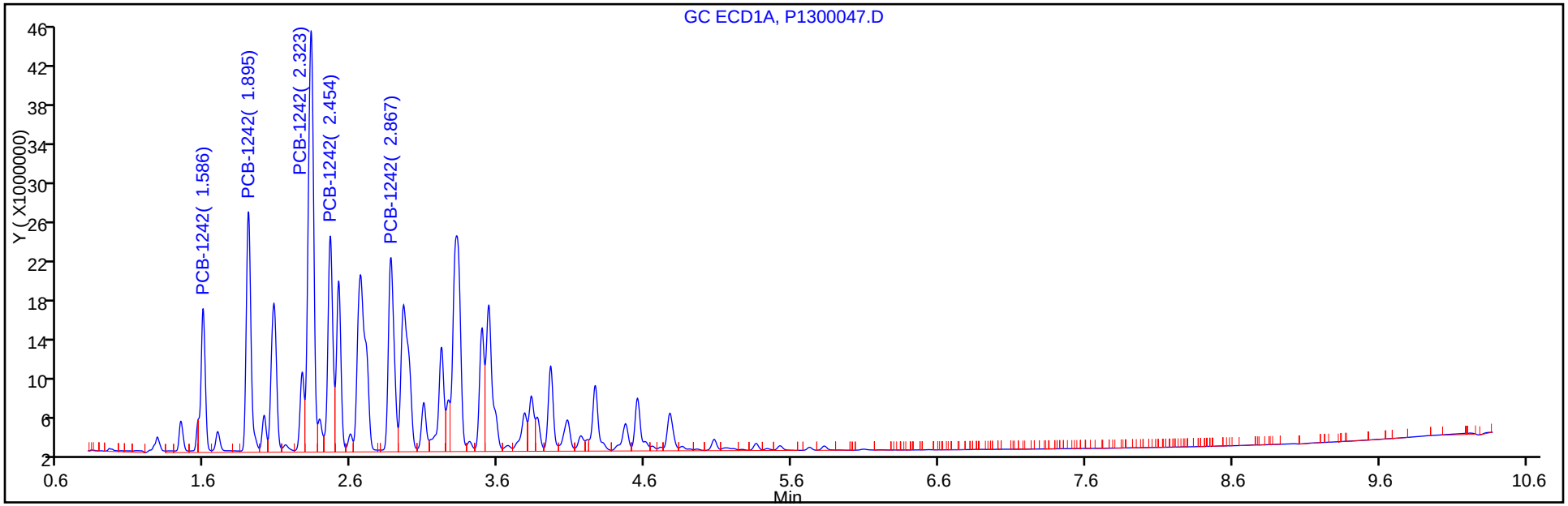
Report Date: 22-Oct-2012 09:17:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

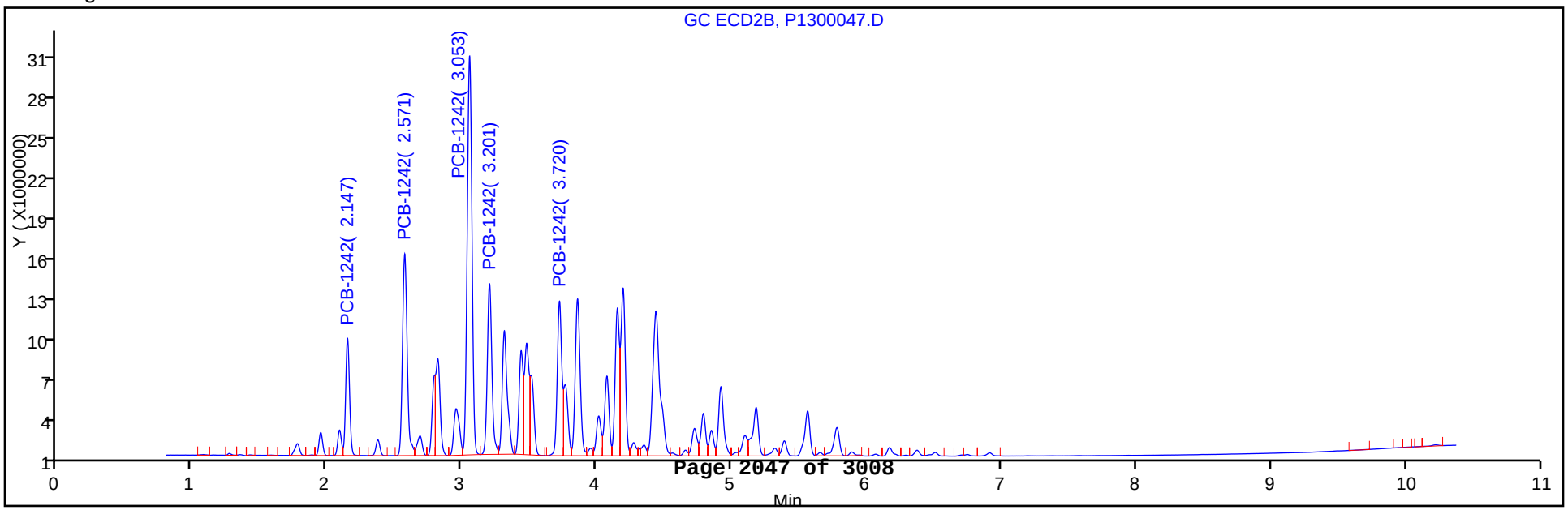
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D

Injection Date:	22-Oct-2012 03:49:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	47
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



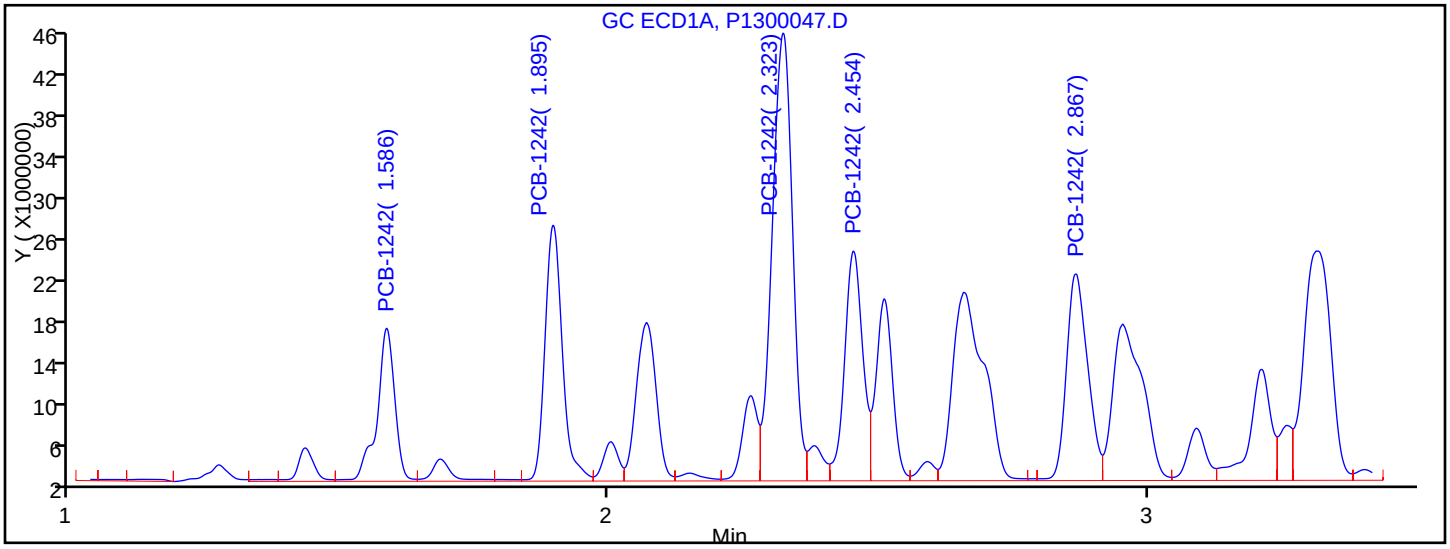
Report Date: 22-Oct-2012 09:17:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D

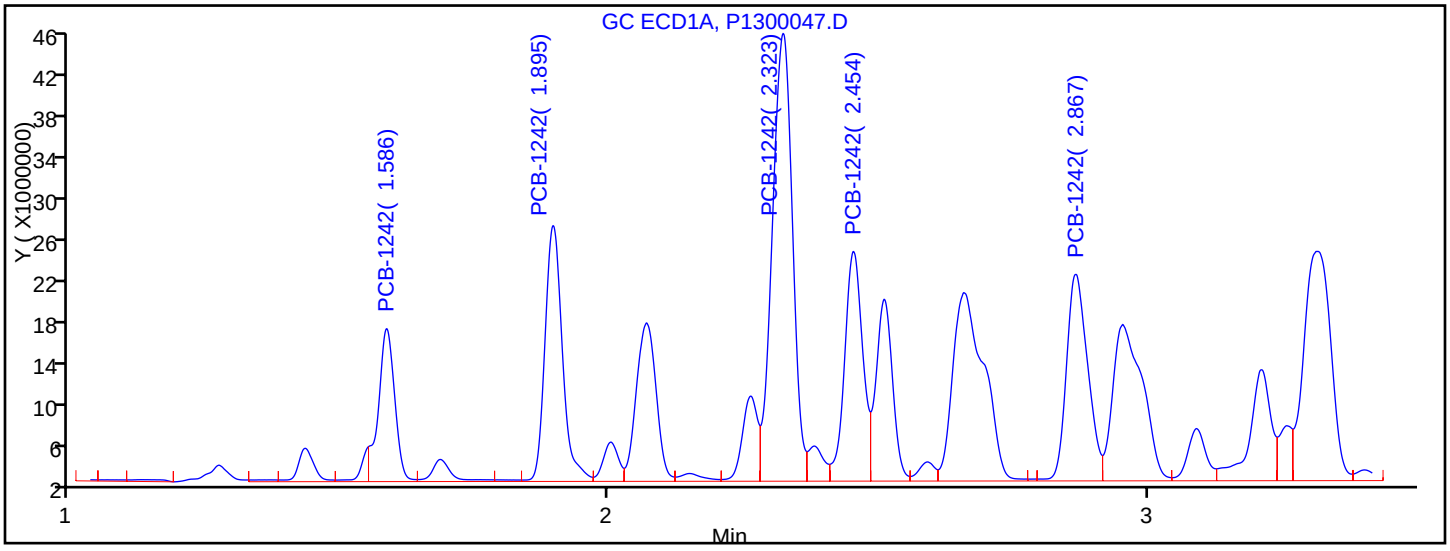
Injection Date:	22-Oct-2012 03:49:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	47
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

5 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 34205640	M
RT = 1.895	Response = 55955291	
RT = 2.323	Response = 113741548	
RT = 2.454	Response = 52175029	
RT = 2.867	Response = 55256528	



Manual Integration Results

RT = 1.586	Response = 31183923	M
RT = 1.895	Response = 55955291	
RT = 2.323	Response = 113741548	
RT = 2.454	Response = 52175029	
RT = 2.867	Response = 55256528	

Reviewer: hassl, 22-Oct-2012 09:15:58

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 19:37

Lab File ID: P1300047.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	18651521	17410907		0.933	1.00	-6.7	20.0
PCB-1242 Peak 2	Ave	38092065	36507544		0.958	1.00	-4.2	20.0
PCB-1242 Peak 3	Ave	72669204	72407501		0.996	1.00	-0.4	20.0
PCB-1242 Peak 4	Ave	31166848	30129419		0.967	1.00	-3.3	20.0
PCB-1242 Peak 5	Ave	28008369	27166293		0.970	1.00	-3.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/47 Calibration Date: 10/22/2012 03:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 18:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 19:37

Lab File ID: P1300047.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.15	2.10	2.20
PCB-1242 Peak 2	2.57	2.52	2.62
PCB-1242 Peak 3	3.05	3.00	3.10
PCB-1242 Peak 4	3.20	3.15	3.25
PCB-1242 Peak 5	3.72	3.67	3.77

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D
Lims ID: ICV 1242 Client ID:
Inject. Date: 22-Oct-2012 03:49:26 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-047
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 47
Lims Batch ID: 62068 Lims Sample ID: 47
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:15:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100	1.586	1.587	-0.001	31183923	0.9476		100.0	M
1	2	1.895	1.896	-0.001	55955291	0.9377	156.0- 206.0	179.4	
1	3	2.323	2.323	0.000	113741548	0.8928	355.0- 405.0	364.7	
1	4	2.454	2.454	0.000	52175029	1.01	131.0- 181.0	167.3	
1	5	2.867	2.868	-0.001	55256528	0.9839	142.4- 192.4	177.2	
			Average of Peak Amounts =			0.9537			
2	6	2.147	2.148	-0.001	17410907	0.9335		100.0	
2	7	2.571	2.573	-0.002	36507544	0.9584	176.6- 236.6	209.7	
2	8	3.053	3.053	0.000	72407501	1.00	356.3- 416.3	415.9	
2	9	3.201	3.202	-0.001	30129419	0.9667	135.8- 195.8	173.0	
2	10	3.720	3.719	0.001	27166293	0.9699	121.8- 181.8	156.0	
			Average of Peak Amounts =			0.9650			
						RPD = 1.17			

QC Flag Legend

Review Flags
M - Manually Integrated

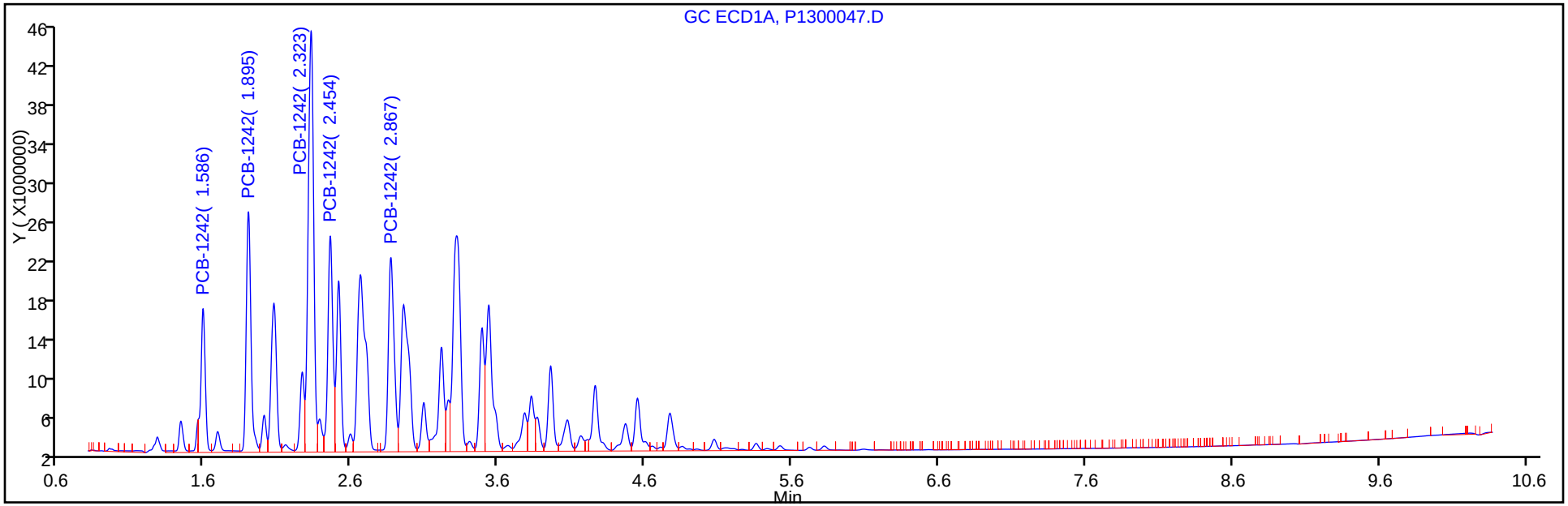
Report Date: 22-Oct-2012 09:17:38 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

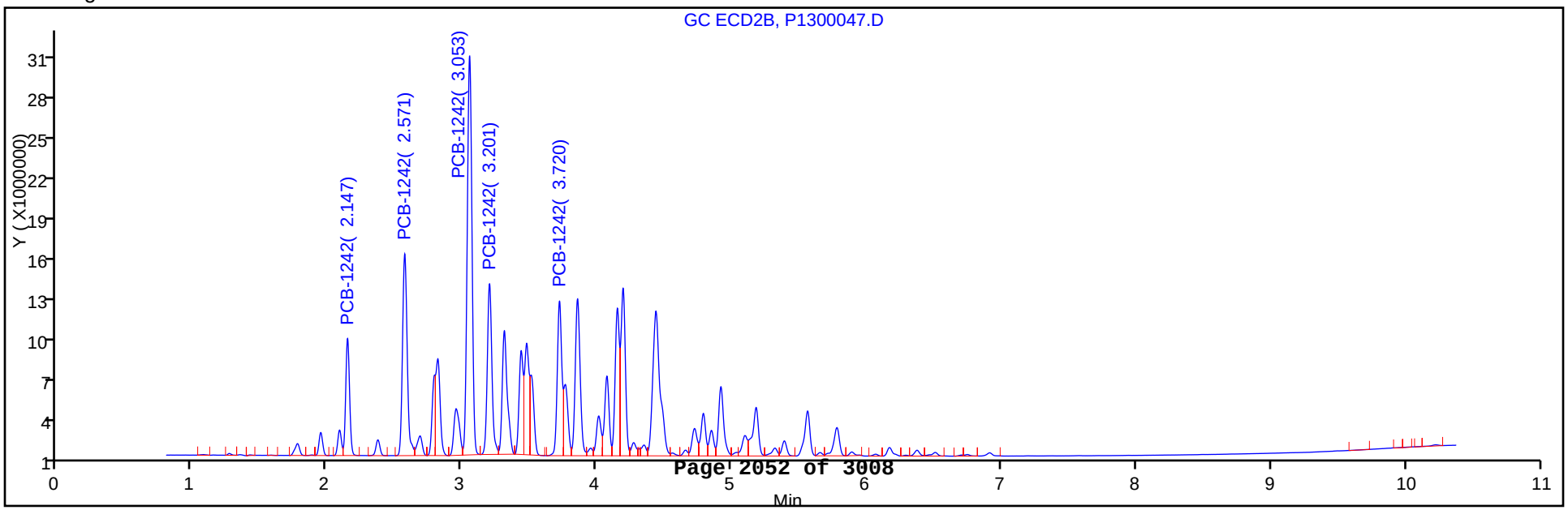
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300047.D

Injection Date:	22-Oct-2012 03:49:26	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	47
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 21:07

Lab File ID: P1300048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	30360760	31669282		1.04	1.00	4.3	20.0
PCB-1248 Peak 2	Ave	85512527	80529210		0.942	1.00	-5.8	20.0
PCB-1248 Peak 3	Ave	91721796	87576230		0.955	1.00	-4.5	20.0
PCB-1248 Peak 4	Ave	52262328	50034251		0.957	1.00	-4.3	20.0
PCB-1248 Peak 5	Ave	45872480	46288328		1.01	1.00	0.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 21:07

Lab File ID: P1300048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	1.90	1.85	1.95
PCB-1248 Peak 2	2.32	2.27	2.37
PCB-1248 Peak 3	2.87	2.82	2.92
PCB-1248 Peak 4	3.49	3.44	3.54
PCB-1248 Peak 5	3.96	3.91	4.01

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300048.D
Lims ID: ICV 1248 Client ID:
Inject. Date: 22-Oct-2012 04:04:20 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-048
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 48
Lims Batch ID: 62068 Lims Sample ID: 48
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	31669282	1.04		100.0	
1	2	2.322	2.319	0.003	80529210	0.9417	252.8- 302.8	254.3	
1	3	2.866	2.866	0.000	87576230	0.9548	276.3- 326.3	276.5	
1	4	3.488	3.489	-0.001	50034251	0.9574	147.9- 197.9	158.0	
1	5	3.955	3.955	0.000	46288328	1.01	126.1- 176.1	146.2	
			Average of Peak Amounts =			0.9812			
2	6	2.570	2.570	0.000	20607817	1.08		100.0	
2	7	3.052	3.053	-0.001	52270819	1.06	225.1- 285.1	253.6	
2	8	3.719	3.719	0.000	58714049	0.9709	285.5- 345.5	284.9	
2	9	3.853	3.853	0.000	47710116	0.9598	227.4- 287.4	231.5	
2	10	4.917	4.916	0.001	29540895	0.9887	126.6- 186.6	143.3	
			Average of Peak Amounts =			1.01			
						RPD = 3.01			

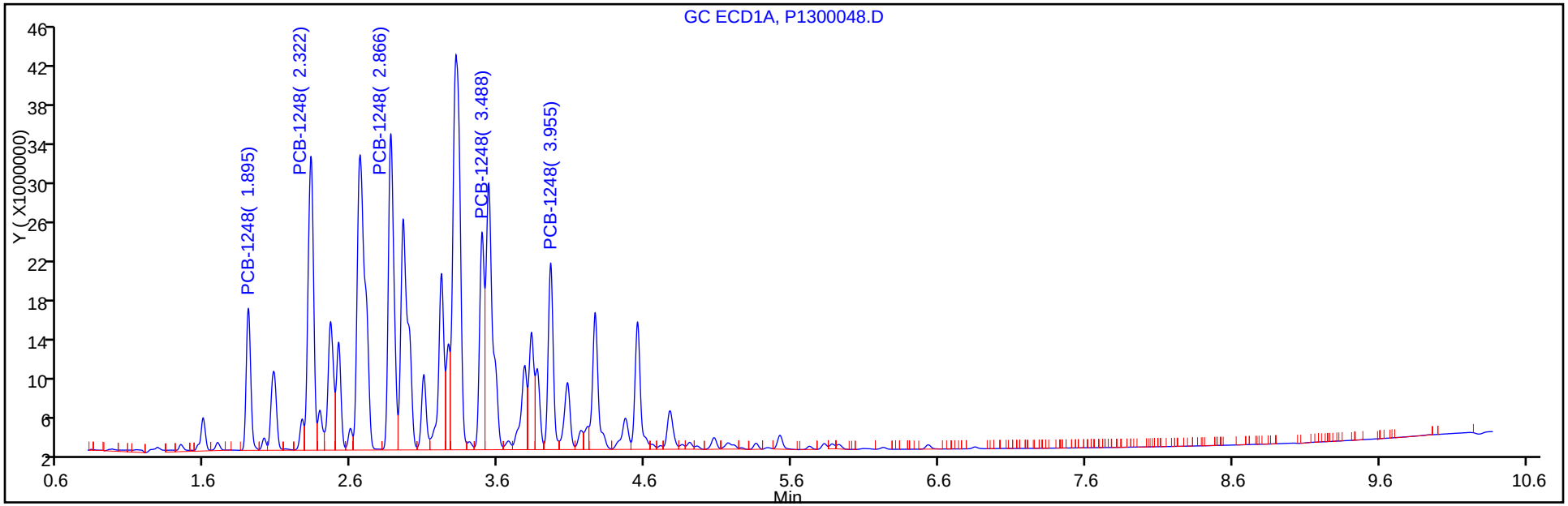
Report Date: 22-Oct-2012 09:17:36 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

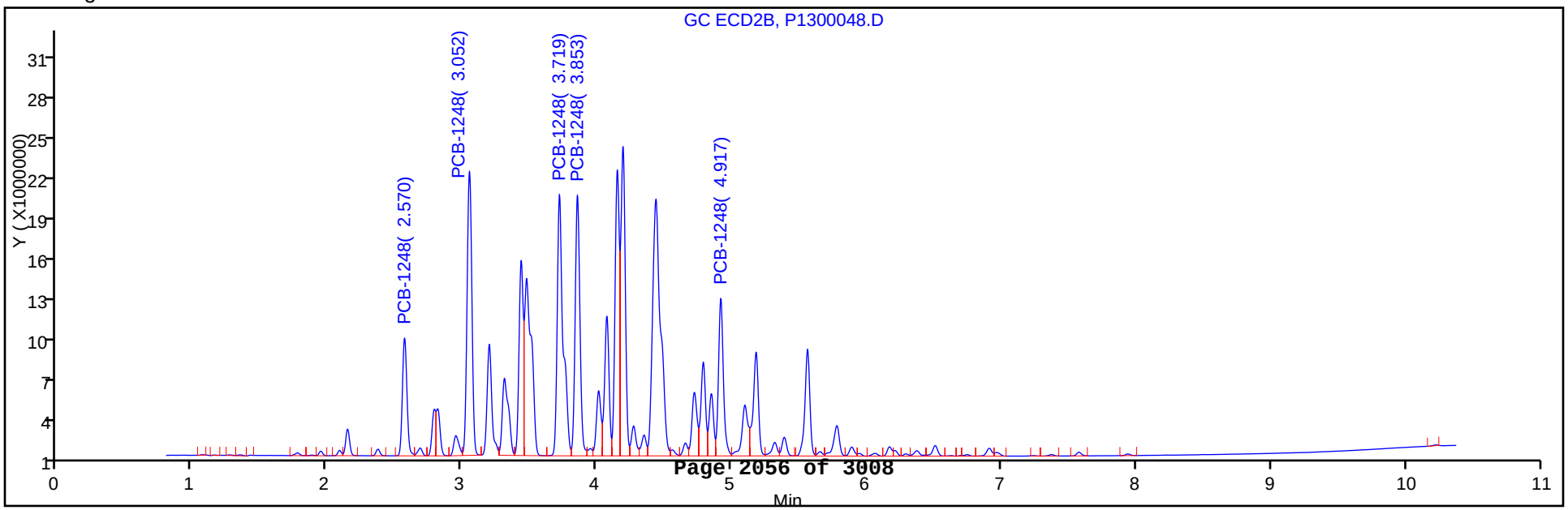
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300048.D

Injection Date:	22-Oct-2012 04:04:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	48
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 21:07

Lab File ID: P1300048.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	19163111	20607817		1.08	1.00	7.5	20.0
PCB-1248 Peak 2	Ave	49264300	52270819		1.06	1.00	6.1	20.0
PCB-1248 Peak 3	Ave	60474000	58714049		0.971	1.00	-2.9	20.0
PCB-1248 Peak 4	Ave	49709099	47710116		0.960	1.00	-4.0	20.0
PCB-1248 Peak 5	Ave	29879712	29540895		0.989	1.00	-1.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/48 Calibration Date: 10/22/2012 04:04

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 19:52

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 21:07

Lab File ID: P1300048.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	2.57	2.52	2.62
PCB-1248 Peak 2	3.05	3.00	3.10
PCB-1248 Peak 3	3.72	3.67	3.77
PCB-1248 Peak 4	3.85	3.80	3.90
PCB-1248 Peak 5	4.92	4.87	4.97

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300048.D
Lims ID: ICV 1248 Client ID:
Inject. Date: 22-Oct-2012 04:04:20 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-048
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 48
Lims Batch ID: 62068 Lims Sample ID: 48
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
7 PCB-1248									
1	86	1.895	1.895	0.000	31669282	1.04		100.0	
1	2	2.322	2.319	0.003	80529210	0.9417	252.8- 302.8	254.3	
1	3	2.866	2.866	0.000	87576230	0.9548	276.3- 326.3	276.5	
1	4	3.488	3.489	-0.001	50034251	0.9574	147.9- 197.9	158.0	
1	5	3.955	3.955	0.000	46288328	1.01	126.1- 176.1	146.2	
			Average of Peak Amounts =			0.9812			
2	6	2.570	2.570	0.000	20607817	1.08		100.0	
2	7	3.052	3.053	-0.001	52270819	1.06	225.1- 285.1	253.6	
2	8	3.719	3.719	0.000	58714049	0.9709	285.5- 345.5	284.9	
2	9	3.853	3.853	0.000	47710116	0.9598	227.4- 287.4	231.5	
2	10	4.917	4.916	0.001	29540895	0.9887	126.6- 186.6	143.3	
			Average of Peak Amounts =			1.01			
						RPD = 3.01			

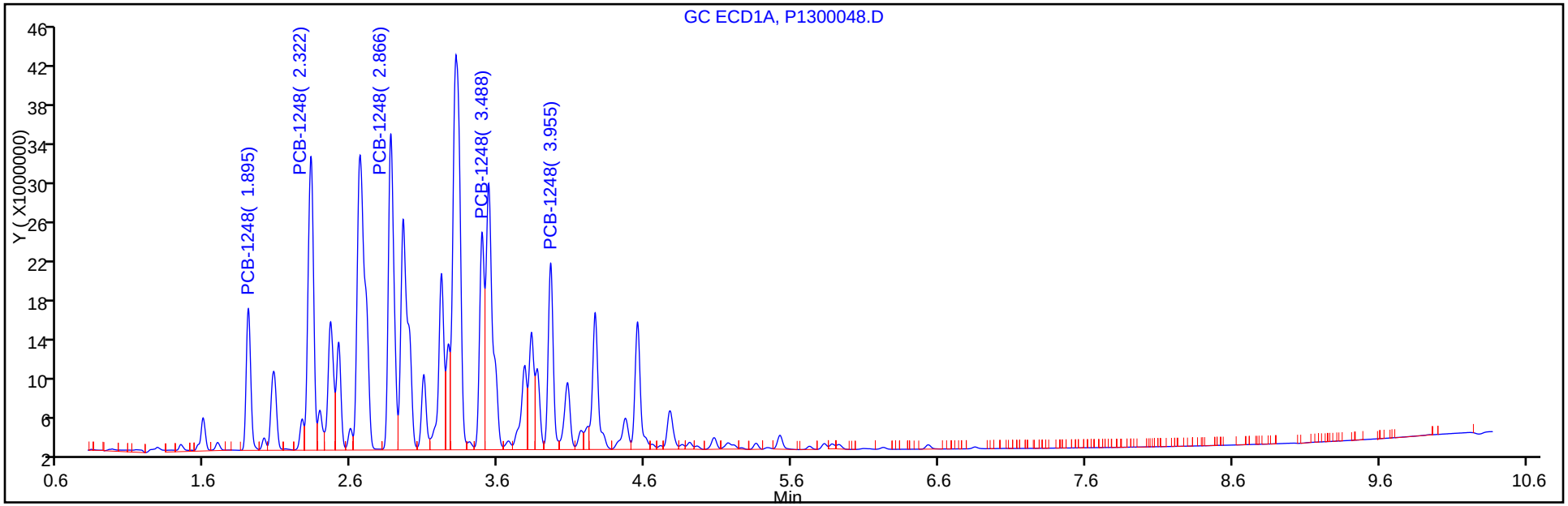
Report Date: 22-Oct-2012 09:17:36 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

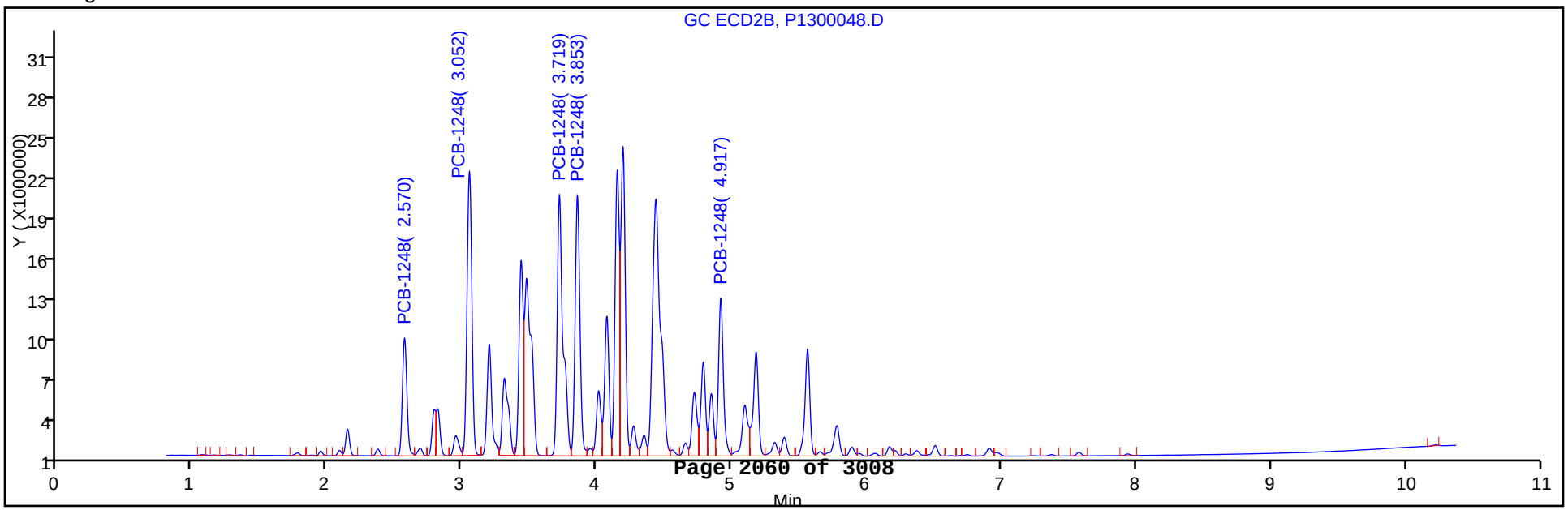
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300048.D

Injection Date:	22-Oct-2012 04:04:20	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	48
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300049.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	129854337	134604744		1.04	1.00	3.7	20.0
PCB-1254 Peak 2	Ave	140607863	136235384		0.969	1.00	-3.1	20.0
PCB-1254 Peak 3	Ave	114573263	123557280		1.08	1.00	7.8	20.0
PCB-1254 Peak 4	Ave	98278501	106942531		1.09	1.00	8.8	20.0
PCB-1254 Peak 5	Ave	141316304	157505677		1.11	1.00	11.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	3.54	3.49	3.59
PCB-1254 Peak 2	3.96	3.91	4.01
PCB-1254 Peak 3	4.26	4.21	4.31
PCB-1254 Peak 4	4.47	4.42	4.52
PCB-1254 Peak 5	4.77	4.72	4.82

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300049.D
Lims ID: ICV 1254 Client ID:
Inject. Date: 22-Oct-2012 04:19:14 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-049
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 49
Lims Batch ID: 62068 Lims Sample ID: 49
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									
1	100	3.541	3.541	0.000	134604744	1.04		100.0	
1	2	3.955	3.956	-0.001	136235384	0.9689	82.6- 132.6	101.2	
1	3	4.260	4.259	0.001	123557280	1.08	64.9- 114.9	91.8	
1	4	4.465	4.467	-0.002	106942531	1.09	49.9- 99.9	79.4	
1	5	4.768	4.768	0.000	157505677	1.11	84.1- 134.1	117.0	
			Average of Peak Amounts =			1.06			
2	6	4.414	4.413	0.001	59335114	1.04		100.0	
2	7	4.917	4.918	-0.001	91433133	1.03	124.0- 184.0	154.1	
2	8	5.178	5.179	-0.001	65423220	1.08	76.3- 136.3	110.3	
2	9	5.560	5.562	-0.002	73452526	1.09	87.0- 147.0	123.8	
2	10	5.779	5.779	0.000	98411635	1.13	121.1- 181.1	165.9	
			Average of Peak Amounts =			1.07			
						RPD = 1.46			

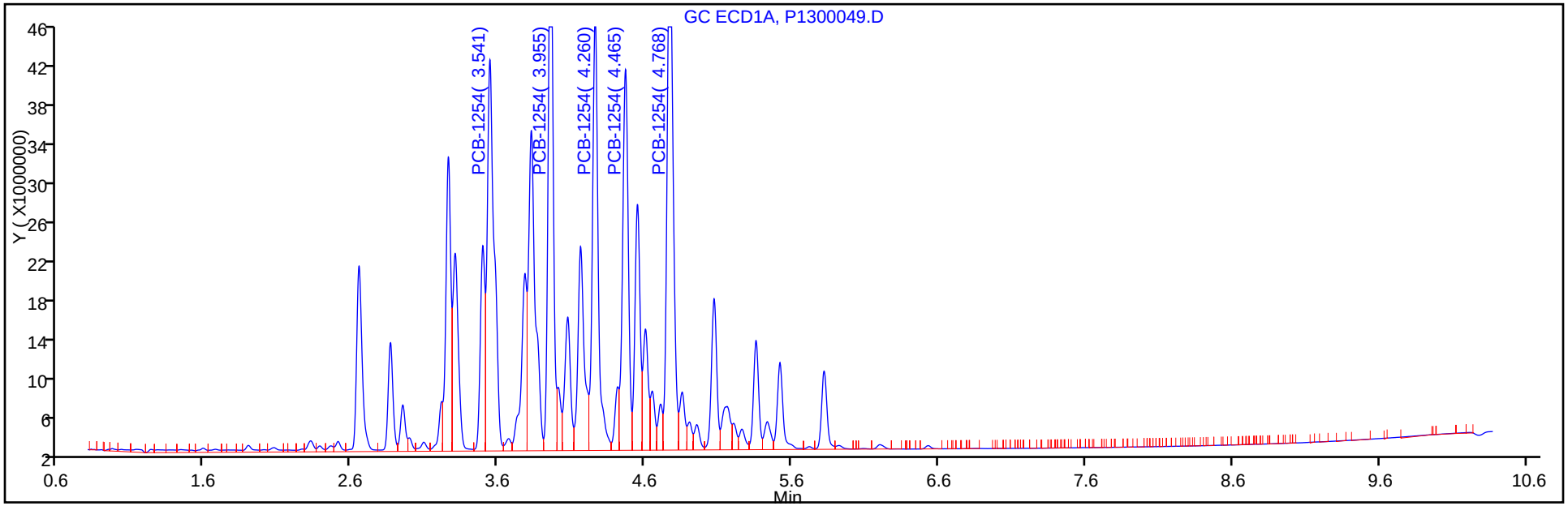
Report Date: 22-Oct-2012 09:17:34 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

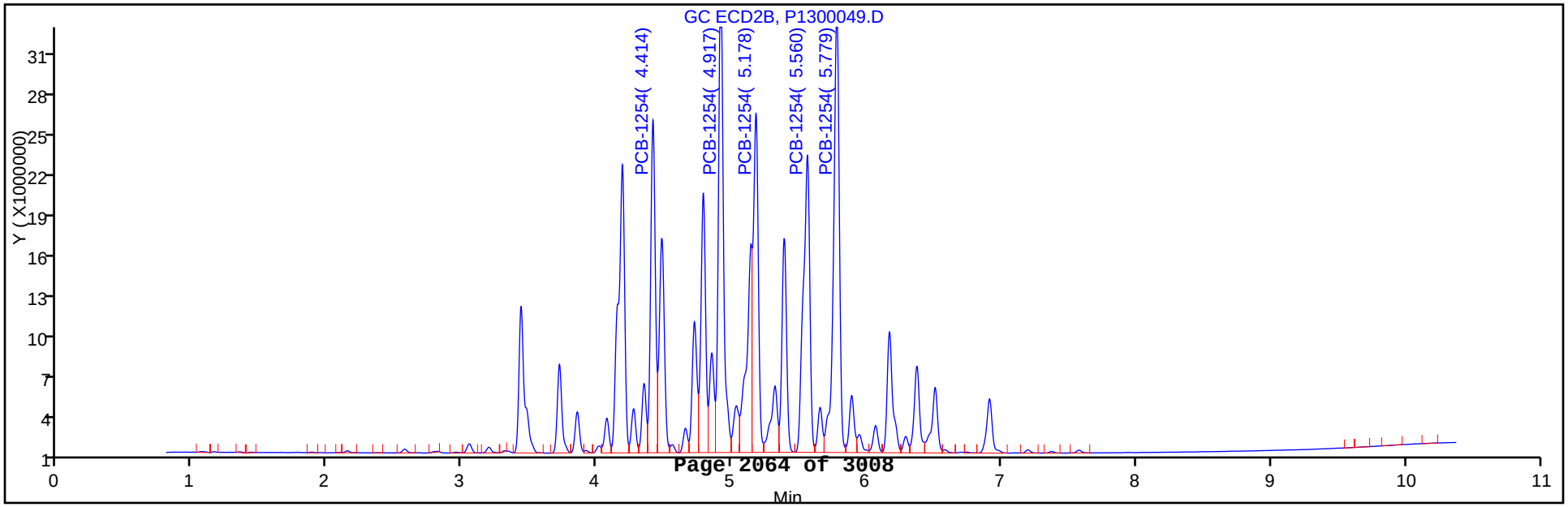
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300049.D

Injection Date:	22-Oct-2012 04:19:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	49
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300049.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	57268796	59335114		1.04	1.00	3.6	20.0
PCB-1254 Peak 2	Ave	88664644	91433133		1.03	1.00	3.1	20.0
PCB-1254 Peak 3	Ave	60796972	65423220		1.08	1.00	7.6	20.0
PCB-1254 Peak 4	Ave	67557439	73452526		1.09	1.00	8.7	20.0
PCB-1254 Peak 5	Ave	86824427	98411635		1.13	1.00	13.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/49 Calibration Date: 10/22/2012 04:19

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 21:21

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/21/2012 22:36

Lab File ID: P1300049.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	4.41	4.36	4.46
PCB-1254 Peak 2	4.92	4.87	4.97
PCB-1254 Peak 3	5.18	5.13	5.23
PCB-1254 Peak 4	5.56	5.51	5.61
PCB-1254 Peak 5	5.78	5.73	5.83

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300049.D
Lims ID: ICV 1254 Client ID:
Inject. Date: 22-Oct-2012 04:19:14 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-049
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 49
Lims Batch ID: 62068 Lims Sample ID: 49
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 PCB-1254									
1	100	3.541	3.541	0.000	134604744	1.04		100.0	
1	2	3.955	3.956	-0.001	136235384	0.9689	82.6- 132.6	101.2	
1	3	4.260	4.259	0.001	123557280	1.08	64.9- 114.9	91.8	
1	4	4.465	4.467	-0.002	106942531	1.09	49.9- 99.9	79.4	
1	5	4.768	4.768	0.000	157505677	1.11	84.1- 134.1	117.0	
			Average of Peak Amounts =			1.06			
2	6	4.414	4.413	0.001	59335114	1.04		100.0	
2	7	4.917	4.918	-0.001	91433133	1.03	124.0- 184.0	154.1	
2	8	5.178	5.179	-0.001	65423220	1.08	76.3- 136.3	110.3	
2	9	5.560	5.562	-0.002	73452526	1.09	87.0- 147.0	123.8	
2	10	5.779	5.779	0.000	98411635	1.13	121.1- 181.1	165.9	
			Average of Peak Amounts =			1.07			
						RPD = 1.46			

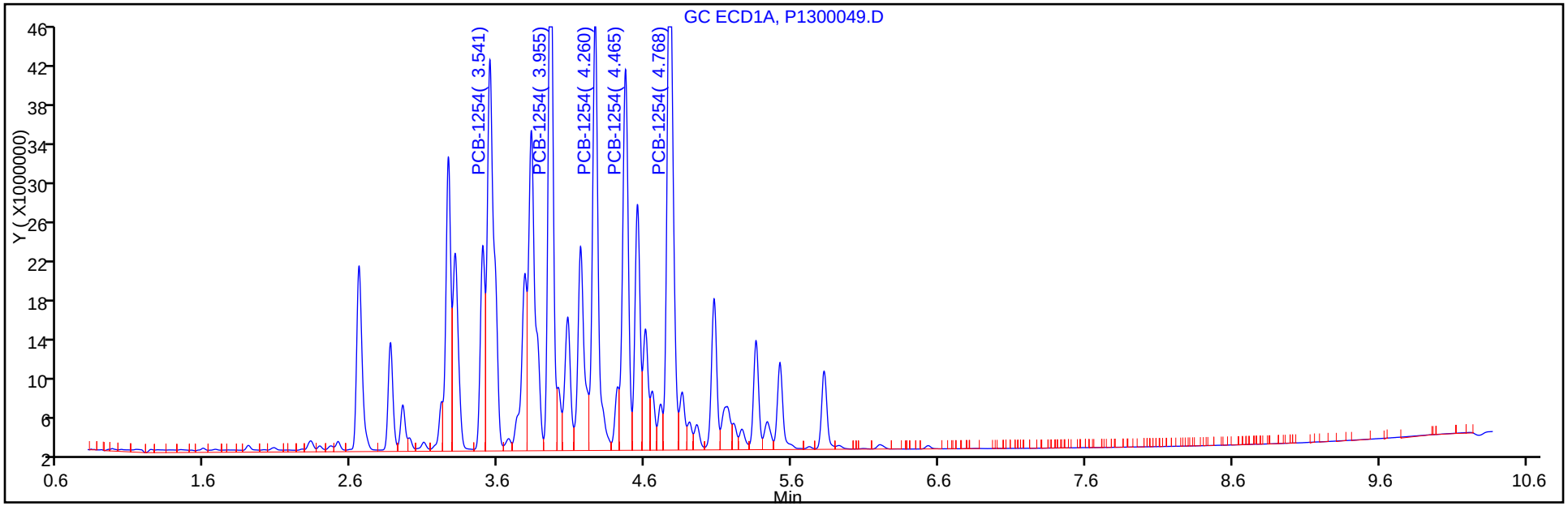
Report Date: 22-Oct-2012 09:17:34 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

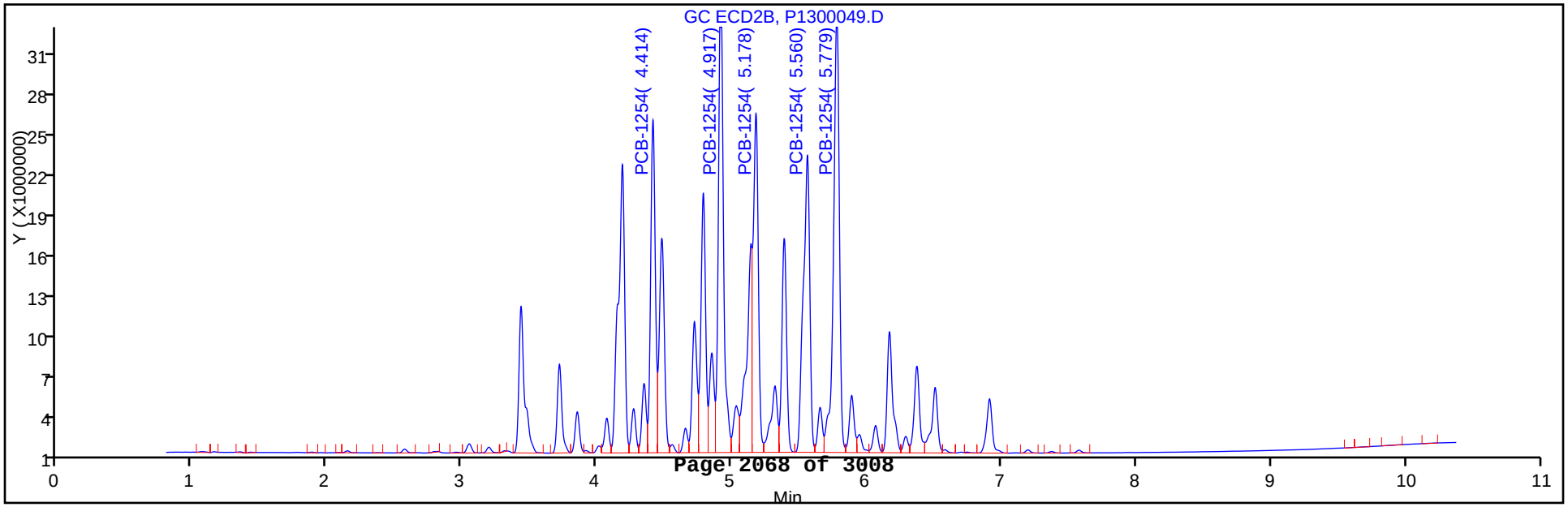
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300049.D

Injection Date:	22-Oct-2012 04:19:14	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	49
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300050.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	38228313		0.940	1.00	-6.0	20.0
PCB-1016 Peak 2	Ave	71876982	71723522		0.998	1.00	-0.2	20.0
PCB-1016 Peak 3	Ave	155218061	145252214		0.936	1.00	-6.4	20.0
PCB-1016 Peak 4	Ave	64472512	68052214		1.06	1.00	5.6	20.0
PCB-1016 Peak 5	Ave	67849134	69850424		1.03	1.00	2.9	20.0
PCB-1260 Peak 1	Ave	101355640	101972175		1.01	1.00	0.6	20.0
PCB-1260 Peak 2	Ave	200632590	201607884		1.00	1.00	0.5	20.0
PCB-1260 Peak 3	Ave	200043209	191897453		0.959	1.00	-4.1	20.0
PCB-1260 Peak 4	Ave	271809958	324736998		1.19	1.00	19.5	20.0
PCB-1260 Peak 5	Ave	129152153	145454031		1.13	1.00	12.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.59	1.54	1.64
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.27	2.37
PCB-1016 Peak 4	2.45	2.40	2.50
PCB-1016 Peak 5	2.87	2.82	2.92
PCB-1260 Peak 1	4.16	4.11	4.21
PCB-1260 Peak 2	4.47	4.42	4.52
PCB-1260 Peak 3	4.77	4.72	4.82
PCB-1260 Peak 4	5.52	5.47	5.57
PCB-1260 Peak 5	5.82	5.77	5.87

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D
Lims ID: ICV 1660 Client ID:
Inject. Date: 22-Oct-2012 04:34:07 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-050
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 50
Lims Batch ID: 62068 Lims Sample ID: 50
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:15:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									M
1	100	1.586	1.587	-0.001	38228313	0.9403		100.0	M
1	2	1.896	1.896	0.000	71723522	1.00	149.3- 199.3	187.6	
1	3	2.325	2.323	0.002	145252214	0.9358	350.2- 400.2	380.0	
1	4	2.454	2.453	0.001	68052214	1.06	130.7- 180.7	178.0	
1	5	2.866	2.867	-0.001	69850424	1.03	137.9- 187.9	182.7	
			Average of Peak Amounts =			0.99			
2	6	2.147	2.147	0.000	23415698	1.04		100.0	
2	7	2.571	2.571	0.000	48518836	1.03	176.5- 236.5	207.2	
2	8	3.053	3.054	-0.001	97238509	1.07	362.5- 422.5	415.3	
2	9	3.201	3.201	0.000	40441239	1.04	137.9- 197.9	172.7	
2	10	3.855	3.854	0.001	37216207	1.03	118.8- 178.8	158.9	
			Average of Peak Amounts =			1.04			
						RPD = 5.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	101972175	1.01		100.0	
1	2	4.469	4.469	0.000	201607884	1.00	175.1- 225.1	197.7	
1	3	4.768	4.767	0.001	191897453	0.9593	173.2- 223.2	188.2	
1	4	5.519	5.518	0.001	324736998	1.19	244.1- 294.1	318.5	
1	5	5.821	5.820	0.001	145454031	1.13	101.5- 151.5	142.6	
			Average of Peak Amounts =			1.06			
2	6	5.141	5.141	0.000	66548848	1.00		100.0	
2	7	5.388	5.389	-0.001	81523657	1.12	86.6- 146.6	122.5	
2	8	5.776	5.776	0.000	112380662	0.9619	142.9- 202.9	168.9	
2	9	6.510	6.509	0.001	177322502	1.25	179.5- 239.5	266.5	
2	10	6.911	6.910	0.001	124132552	1.19	121.8- 181.8	186.5	
			Average of Peak Amounts =			1.10			
						RPD = 4.17			

QC Flag Legend

Review Flags
M - Manually Integrated

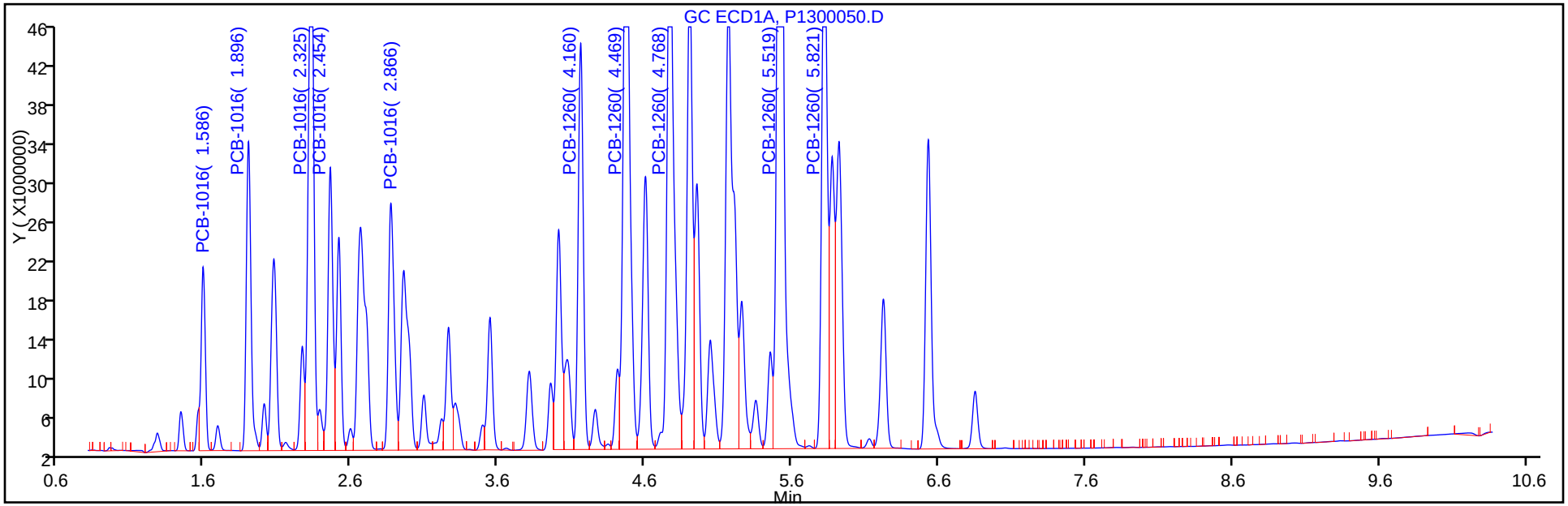
Report Date: 22-Oct-2012 09:17:31 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

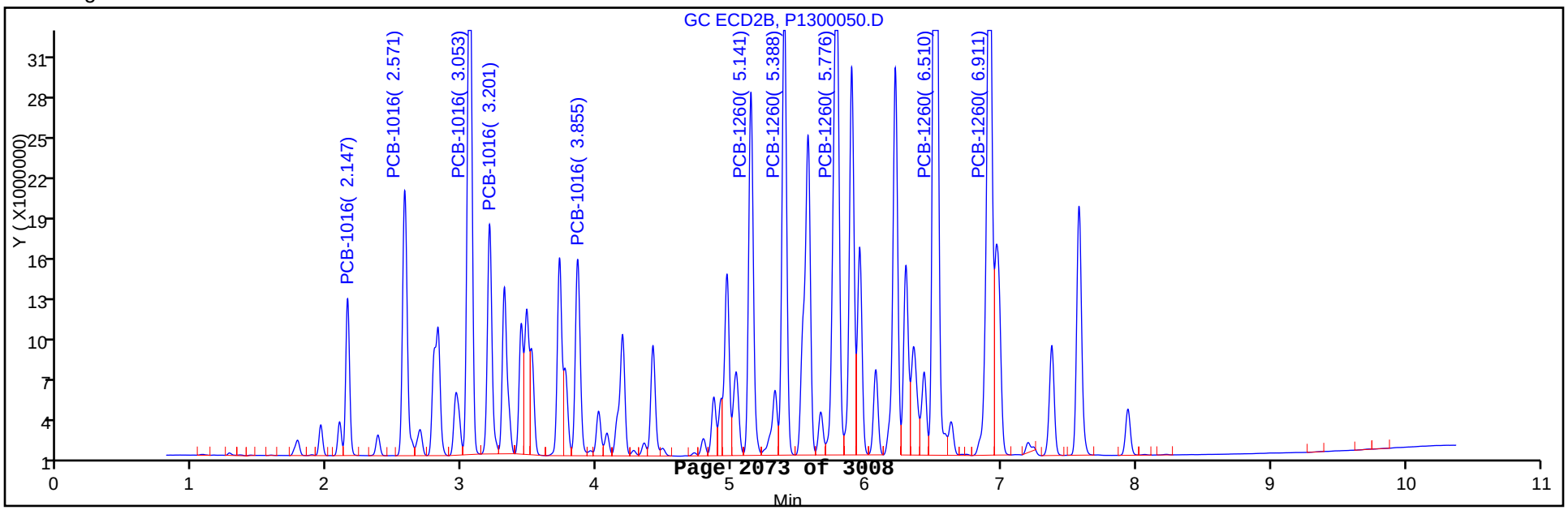
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D

Injection Date:	22-Oct-2012 04:34:07	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	50
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



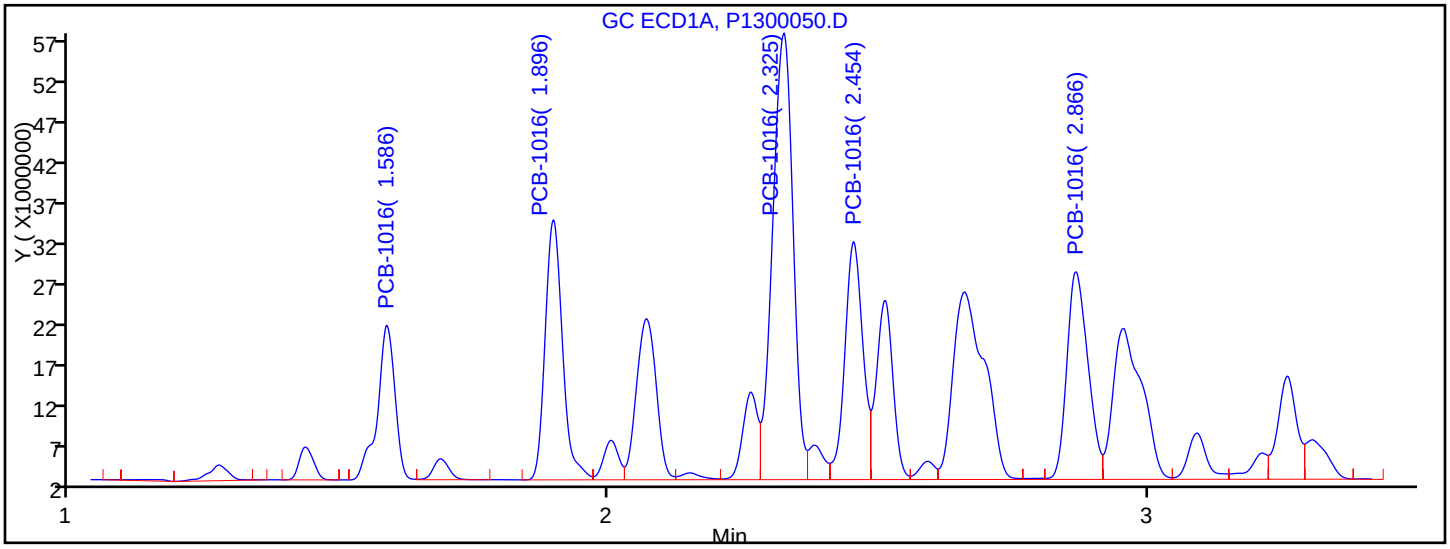
Report Date: 22-Oct-2012 09:17:31 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D

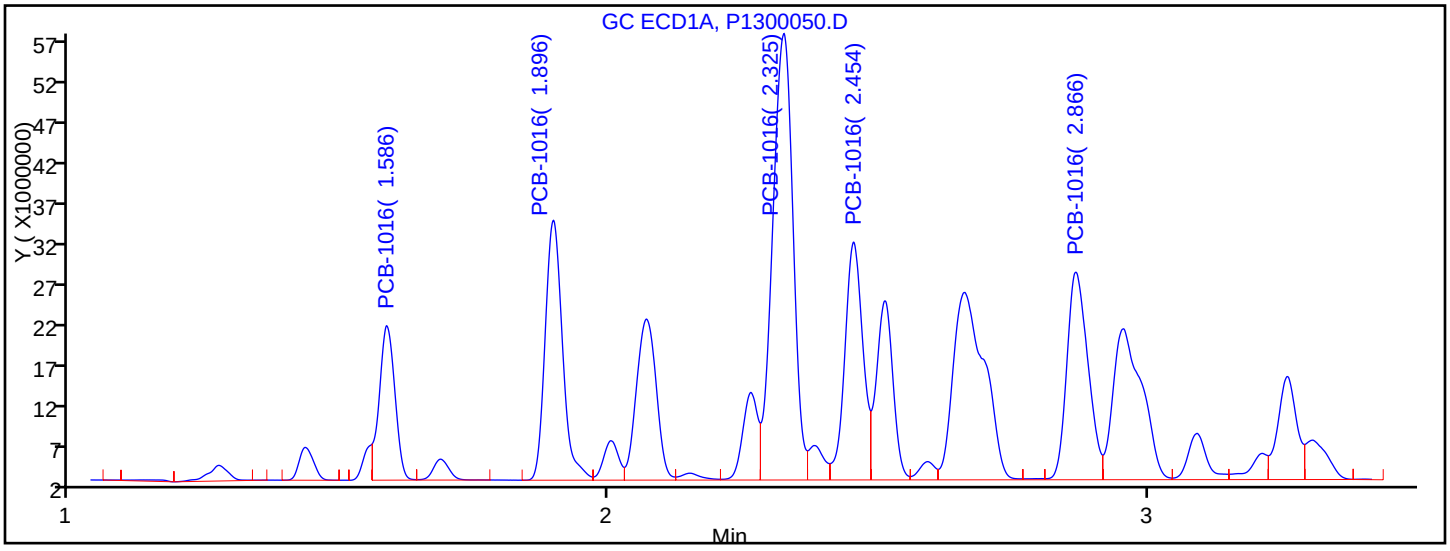
Injection Date:	22-Oct-2012 04:34:07	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	50
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.586	Response = 43047096	M
RT = 1.896	Response = 71723522	
RT = 2.325	Response = 145252214	
RT = 2.454	Response = 68052214	
RT = 2.866	Response = 69850424	



Manual Integration Results

RT = 1.586	Response = 38228313	M
RT = 1.896	Response = 71723522	
RT = 2.325	Response = 145252214	
RT = 2.454	Response = 68052214	
RT = 2.866	Response = 69850424	

Reviewer: hassl, 22-Oct-2012 09:15:31

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300050.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	23415698		1.04	1.00	4.2	20.0
PCB-1016 Peak 2	Ave	46910344	48518836		1.03	1.00	3.4	20.0
PCB-1016 Peak 3	Ave	90857261	97238509		1.07	1.00	7.0	20.0
PCB-1016 Peak 4	Ave	38716589	40441239		1.04	1.00	4.5	20.0
PCB-1016 Peak 5	Ave	36067525	37216207		1.03	1.00	3.2	20.0
PCB-1260 Peak 1	Ave	66648717	66548848		0.999	1.00	-0.1	20.0
PCB-1260 Peak 2	Lin1		81523657		1.12	1.00	11.8	20.0
PCB-1260 Peak 3	Ave	116834929	112380662		0.962	1.00	-3.8	20.0
PCB-1260 Peak 4	Ave	142290611	177322502		1.25	1.00	24.6*	20.0
PCB-1260 Peak 5	Ave	104134113	124132552		1.19	1.00	19.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 240-62068/50 Calibration Date: 10/22/2012 04:34

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300050.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.10	2.20
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.86	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.39	5.34	5.44
PCB-1260 Peak 3	5.78	5.73	5.83
PCB-1260 Peak 4	6.51	6.46	6.56
PCB-1260 Peak 5	6.91	6.86	6.96

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D
Lims ID: ICV 1660 Client ID:
Inject. Date: 22-Oct-2012 04:34:07 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014228-050
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 ul ALS Bottle#: 50
Lims Batch ID: 62068 Lims Sample ID: 50
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121019-14228.b\PCB13.m
Last Update: 22-Oct-2012 09:17:22 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: hassl Date: 22-Oct-2012 09:15:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 PCB-1016									M
1	100	1.586	1.587	-0.001	38228313	0.9403		100.0	M
1	2	1.896	1.896	0.000	71723522	1.00	149.3- 199.3	187.6	
1	3	2.325	2.323	0.002	145252214	0.9358	350.2- 400.2	380.0	
1	4	2.454	2.453	0.001	68052214	1.06	130.7- 180.7	178.0	
1	5	2.866	2.867	-0.001	69850424	1.03	137.9- 187.9	182.7	
			Average of Peak Amounts =			0.99			
2	6	2.147	2.147	0.000	23415698	1.04		100.0	
2	7	2.571	2.571	0.000	48518836	1.03	176.5- 236.5	207.2	
2	8	3.053	3.054	-0.001	97238509	1.07	362.5- 422.5	415.3	
2	9	3.201	3.201	0.000	40441239	1.04	137.9- 197.9	172.7	
2	10	3.855	3.854	0.001	37216207	1.03	118.8- 178.8	158.9	
			Average of Peak Amounts =			1.04			
						RPD = 5.18			

Report Date: 22-Oct-2012 09:17:31 Chrom Revision: 2.0 12-Oct-2012 03:41:20
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.160	4.160	0.000	101972175	1.01		100.0	
1	2	4.469	4.469	0.000	201607884	1.00	175.1- 225.1	197.7	
1	3	4.768	4.767	0.001	191897453	0.9593	173.2- 223.2	188.2	
1	4	5.519	5.518	0.001	324736998	1.19	244.1- 294.1	318.5	
1	5	5.821	5.820	0.001	145454031	1.13	101.5- 151.5	142.6	
			Average of Peak Amounts =			1.06			
2	6	5.141	5.141	0.000	66548848	1.00		100.0	
2	7	5.388	5.389	-0.001	81523657	1.12	86.6- 146.6	122.5	
2	8	5.776	5.776	0.000	112380662	0.9619	142.9- 202.9	168.9	
2	9	6.510	6.509	0.001	177322502	1.25	179.5- 239.5	266.5	
2	10	6.911	6.910	0.001	124132552	1.19	121.8- 181.8	186.5	
			Average of Peak Amounts =			1.10			
						RPD = 4.17			

QC Flag Legend

Review Flags
M - Manually Integrated

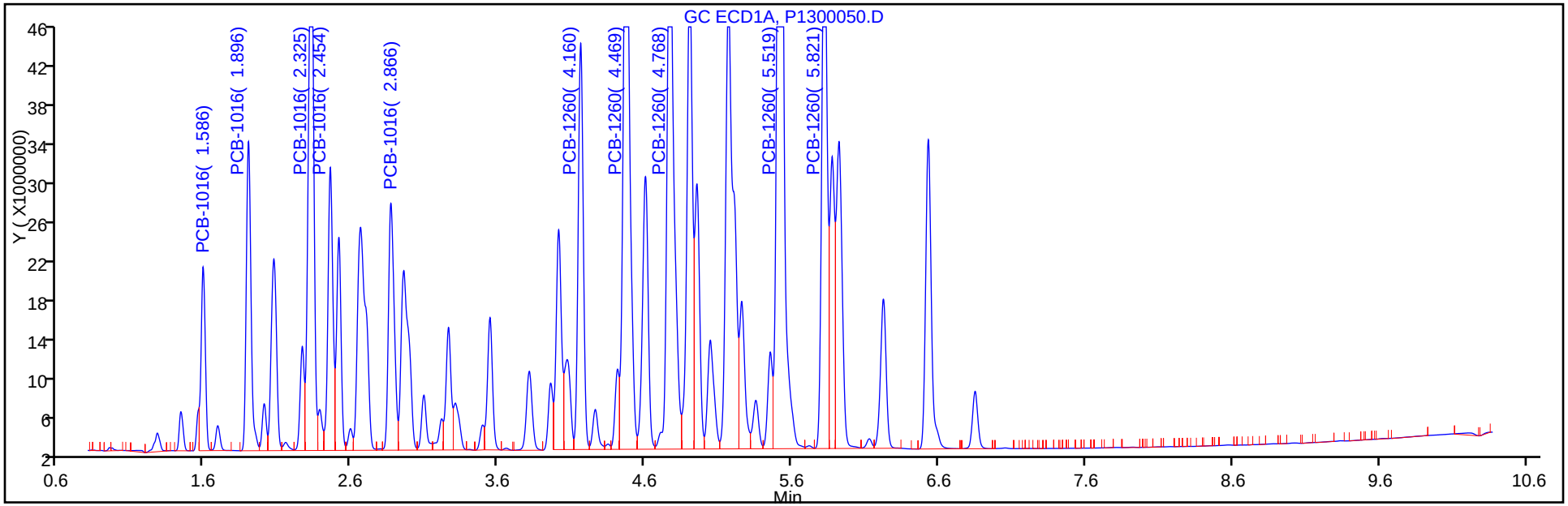
Report Date: 22-Oct-2012 09:17:31 Chrom Revision: 2.0 12-Oct-2012 03:41:20

TestAmerica Canton

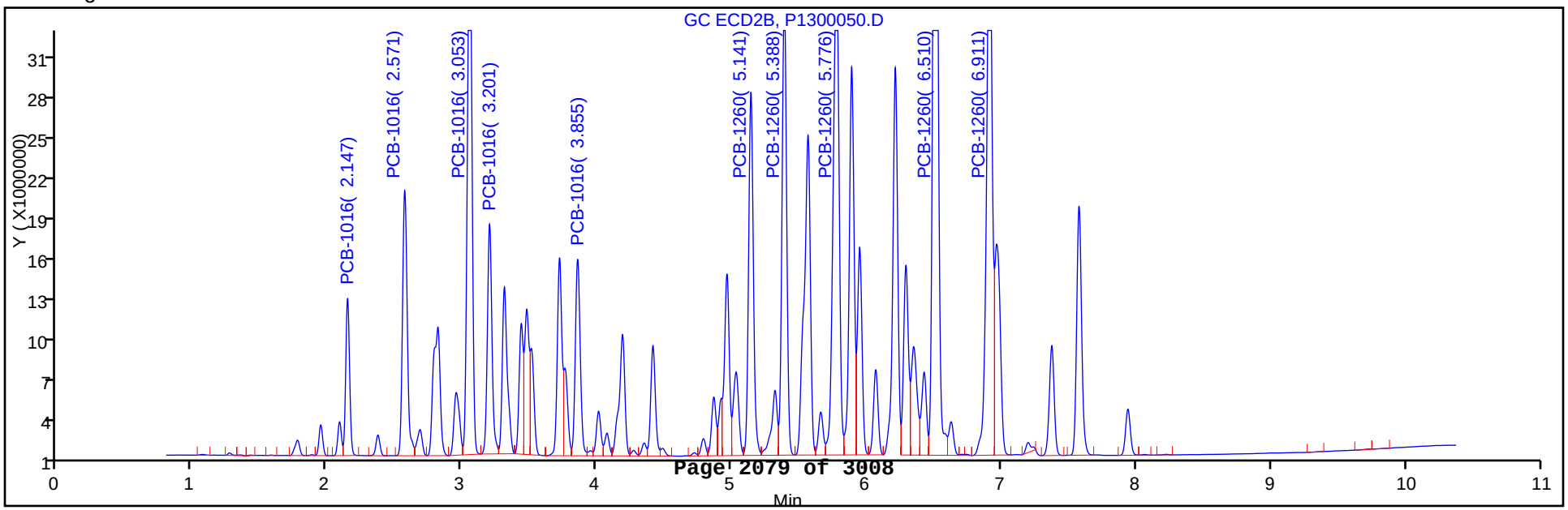
Data File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300050.D

Injection Date:	22-Oct-2012 04:34:07	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	62068	Lims Sample ID:	50
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/3 Calibration Date: 11/18/2012 14:13

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	38127422		0.469	0.500	-6.2	20.0
PCB-1016 Peak 2	Ave	71876982	69221566		0.482	0.500	-3.7	20.0
PCB-1016 Peak 3	Ave	155218061	144647110		0.466	0.500	-6.8	20.0
PCB-1016 Peak 4	Ave	64472512	62421724		0.484	0.500	-3.2	20.0
PCB-1016 Peak 5	Ave	67849134	66583336		0.491	0.500	-1.9	20.0
PCB-1260 Peak 1	Ave	101355640	101388368		0.500	0.500	0.0	20.0
PCB-1260 Peak 2	Ave	200632590	199241922		0.497	0.500	-0.7	20.0
PCB-1260 Peak 3	Ave	200043209	199027766		0.497	0.500	-0.5	20.0
PCB-1260 Peak 4	Ave	271809958	283311878		0.521	0.500	4.2	20.0
PCB-1260 Peak 5	Ave	129152153	127733904		0.495	0.500	-1.1	20.0
Tetrachloro-m-xylene	Ave	2282867563	2251505400		0.0247	0.0250	-1.4	20.0
DCB Decachlorobiphenyl	Ave	2334659370	2706306400		0.0290	0.0250	15.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/3 Calibration Date: 11/18/2012 14:13

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.59	1.54	1.64
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.28	2.38
PCB-1016 Peak 4	2.46	2.41	2.51
PCB-1016 Peak 5	2.87	2.82	2.92
PCB-1260 Peak 1	4.17	4.12	4.22
PCB-1260 Peak 2	4.48	4.43	4.53
PCB-1260 Peak 3	4.77	4.72	4.82
PCB-1260 Peak 4	5.52	5.47	5.57
PCB-1260 Peak 5	5.83	5.78	5.88
Tetrachloro-m-xylene	1.29	1.24	1.34
DCB Decachlorobiphenyl	7.06	7.01	7.11

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300003.D		
Lims ID:	CCV AR1660	Client ID:	
Inject. Date:	18-Nov-2012 14:13:44	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0015025-003		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 uL	ALS Bottle#:	3
Lims Batch ID:	65363	Lims Sample ID:	3
Sublist:	chrom-PCB13*sub10		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m		
Last Update:	19-Nov-2012 11:08:54	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK012		

First Level Reviewer: hassl Date: 19-Nov-2012 11:03:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.294	0.000	56287635	0.0247			
2	2	1.650	1.650	0.000	36755387	0.0256			
						RPD = 3.66			
6 PCB-1016									M
1	100	1.593	1.593	0.000	19063711	0.4689		100.0	M
1	2	1.901	1.901	0.000	34610783	0.4815	149.3- 199.3	181.6	
1	3	2.328	2.328	0.000	72323555	0.4659	350.2- 400.2	379.4	
1	4	2.459	2.459	0.000	31210862	0.4841	130.7- 180.7	163.7	
1	5	2.871	2.871	0.000	33291668	0.4907	137.9- 187.9	174.6	
			Average of Peak Amounts =			0.4782			
2	6	2.146	2.146	0.000	10626795	0.4729		100.0	
2	7	2.569	2.569	0.000	22495107	0.4795	176.5- 236.5	211.7	
2	8	3.052	3.052	0.000	43873416	0.4829	362.5- 422.5	412.9	
2	9	3.199	3.199	0.000	18829715	0.4863	137.9- 197.9	177.2	
2	10	3.852	3.852	0.000	17962000	0.4980	118.8- 178.8	169.0	
			Average of Peak Amounts =			0.4839			
						RPD = 1.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	50694184	0.5002		100.0	
1	2	4.476	4.476	0.000	99620961	0.4965	175.1- 225.1	196.5	
1	3	4.774	4.774	0.000	99513883	0.4975	173.2- 223.2	196.3	
1	4	5.524	5.524	0.000	141655939	0.5212	244.1- 294.1	279.4	
1	5	5.828	5.828	0.000	63866952	0.4945	101.5- 151.5	126.0	
			Average of Peak Amounts =			0.5020			
2	6	5.136	5.136	0.000	32992848	0.4950		100.0	
2	7	5.384	5.384	0.000	38873305	0.5102	86.6- 146.6	117.8	
2	8	5.772	5.772	0.000	57903126	0.4956	142.9- 202.9	175.5	
2	9	6.504	6.504	0.000	73065327	0.5135	179.5- 239.5	221.5	
2	10	6.907	6.907	0.000	51132752	0.4910	121.8- 181.8	155.0	
			Average of Peak Amounts =			0.5011			
						RPD = 0.18			
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	67657660	0.0290			
2	2	8.219	8.219	0.000	36605161	0.0272			
						RPD = 6.42			

QC Flag Legend

Review Flags
M - Manually Integrated

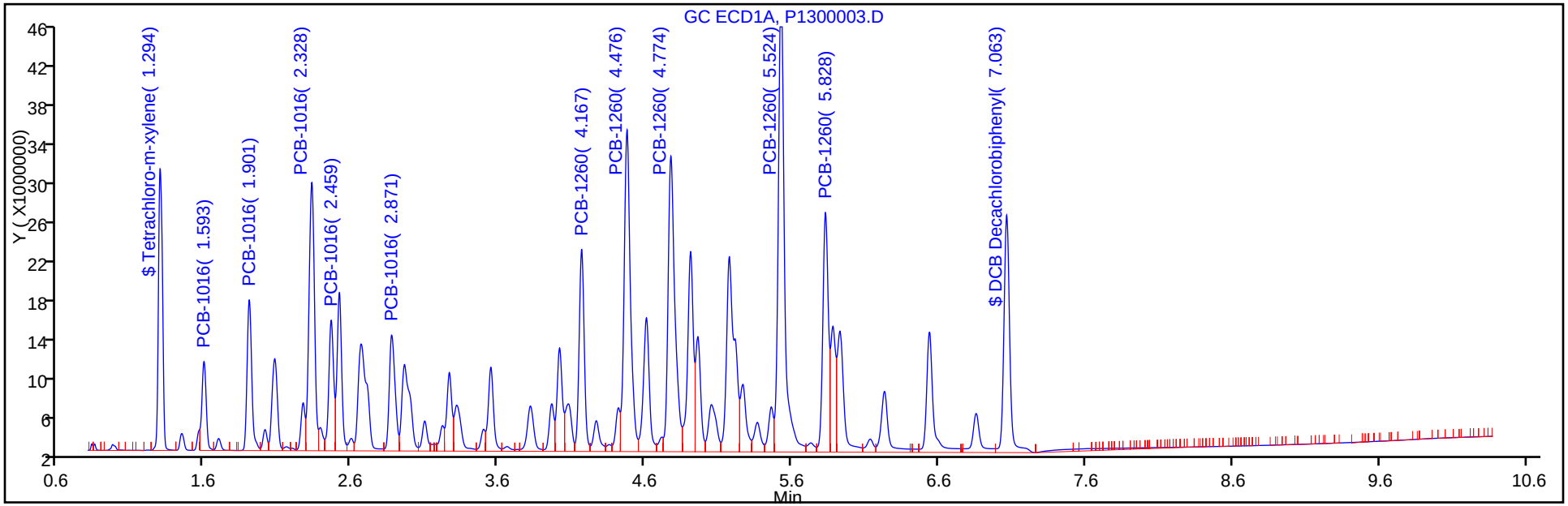
Report Date: 19-Nov-2012 11:08:54 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

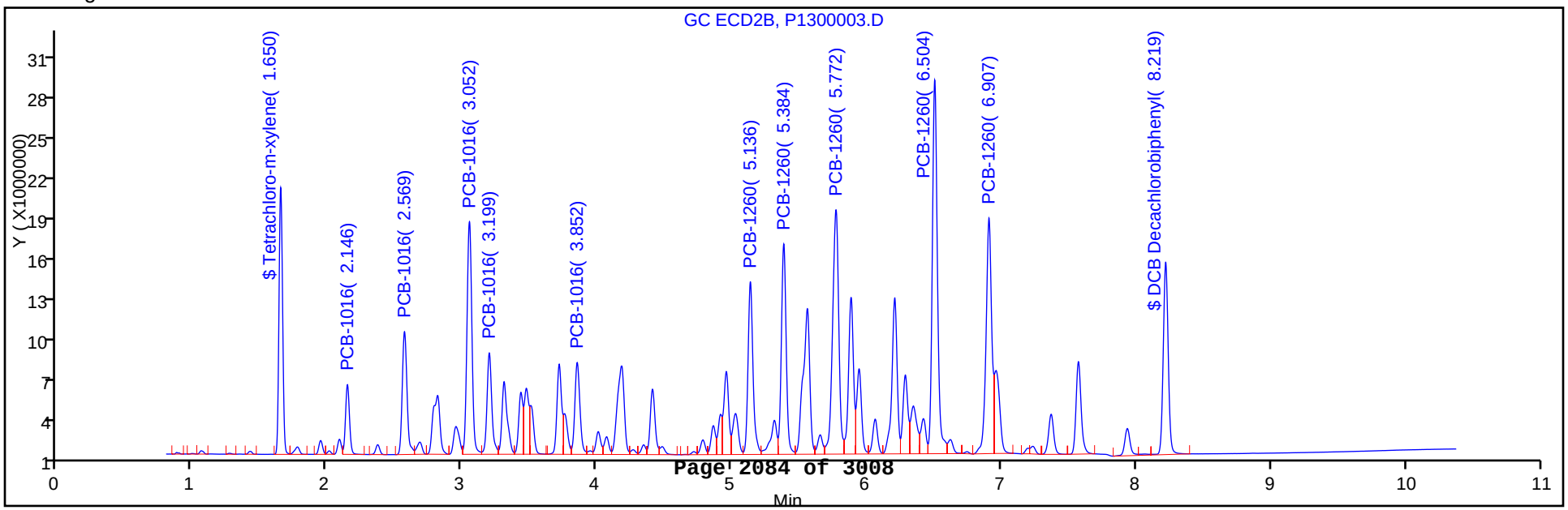
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300003.D

Injection Date:	18-Nov-2012 14:13:44	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



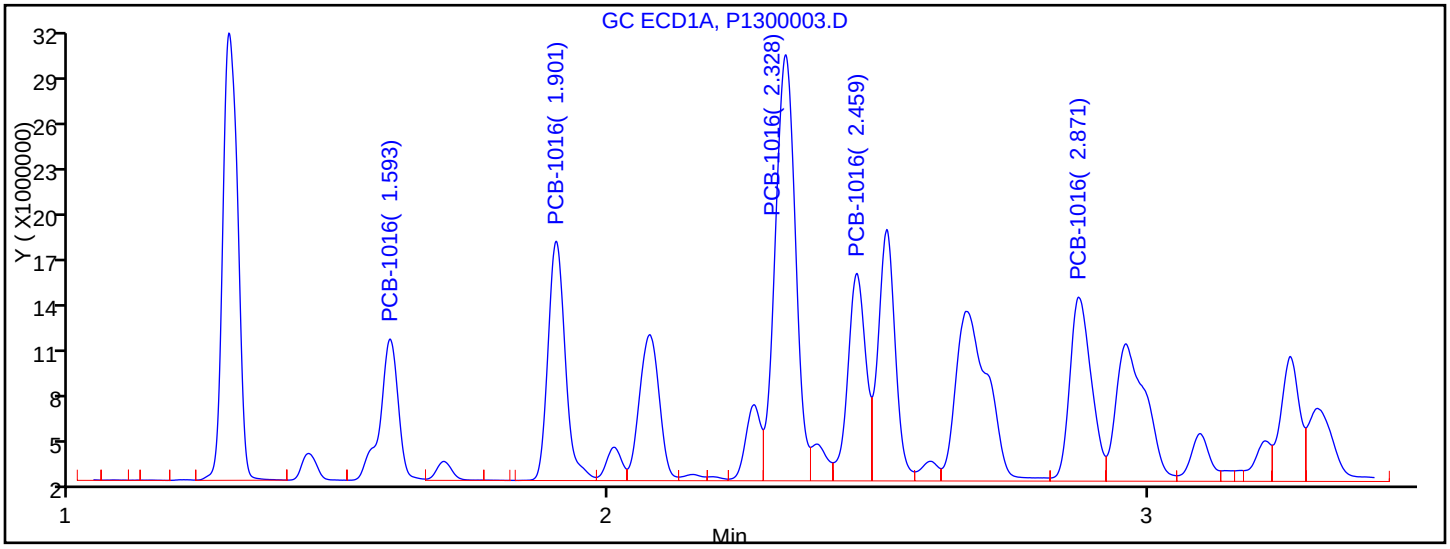
Report Date: 19-Nov-2012 11:08:54 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300003.D

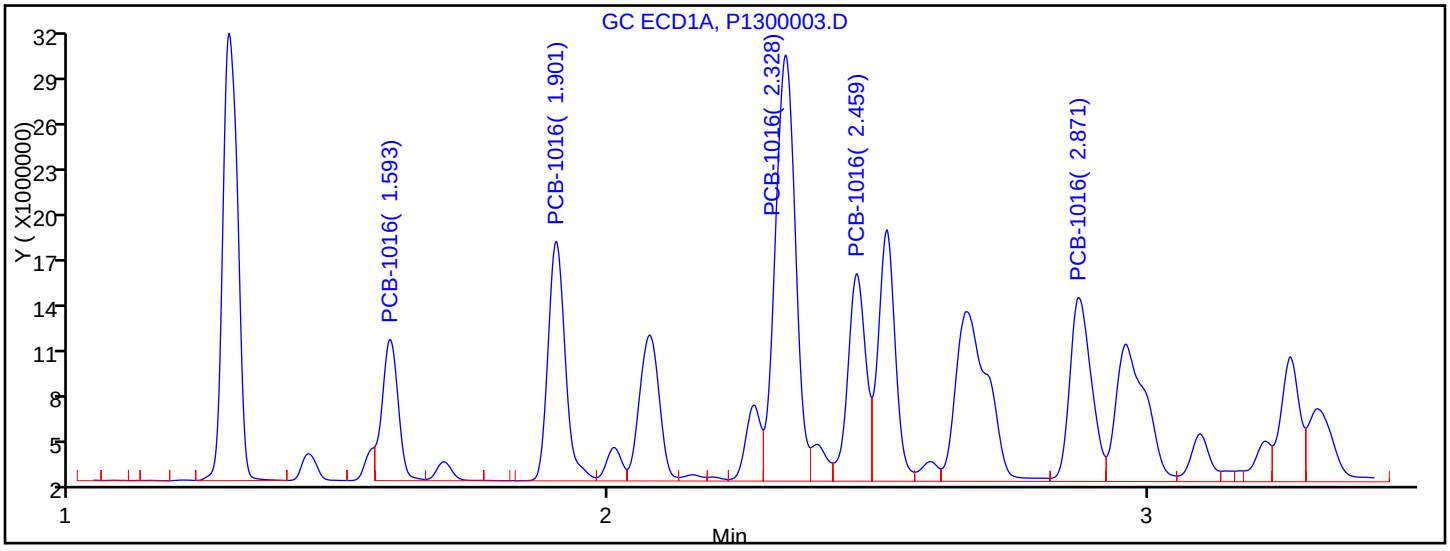
Injection Date:	18-Nov-2012 14:13:44	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.593	Response = 21528469	M
RT = 1.901	Response = 34610783	
RT = 2.328	Response = 72323555	
RT = 2.459	Response = 31210862	
RT = 2.871	Response = 33291668	



Manual Integration Results

RT = 1.593	Response = 19063711	M
RT = 1.901	Response = 34610783	
RT = 2.328	Response = 72323555	
RT = 2.459	Response = 31210862	
RT = 2.871	Response = 33291668	

Reviewer: hassl, 19-Nov-2012 11:03:35

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/3 Calibration Date: 11/18/2012 14:13

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	21253590		0.473	0.500	-5.4	20.0
PCB-1016 Peak 2	Ave	46910344	44990214		0.480	0.500	-4.1	20.0
PCB-1016 Peak 3	Ave	90857261	87746832		0.483	0.500	-3.4	20.0
PCB-1016 Peak 4	Ave	38716589	37659430		0.486	0.500	-2.7	20.0
PCB-1016 Peak 5	Ave	36067525	35924000		0.498	0.500	-0.4	20.0
PCB-1260 Peak 1	Ave	66648717	65985696		0.495	0.500	-1.0	20.0
PCB-1260 Peak 2	Lin1		77746610		0.510	0.500	2.0	20.0
PCB-1260 Peak 3	Ave	116834929	115806252		0.496	0.500	-0.9	20.0
PCB-1260 Peak 4	Ave	142290611	146130654		0.513	0.500	2.7	20.0
PCB-1260 Peak 5	Ave	104134113	102265504		0.491	0.500	-1.8	20.0
Tetrachloro-m-xylene	Ave	1437051097	1470215480		0.0256	0.0250	2.3	20.0
DCB Decachlorobiphenyl	Ave	1346914135	1464206440		0.0272	0.0250	8.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/3 Calibration Date: 11/18/2012 14:13

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.10	2.20
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.85	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.38	5.33	5.43
PCB-1260 Peak 3	5.77	5.72	5.82
PCB-1260 Peak 4	6.50	6.45	6.55
PCB-1260 Peak 5	6.91	6.86	6.96
Tetrachloro-m-xylene	1.65	1.60	1.70
DCB Decachlorobiphenyl	8.22	8.17	8.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300003.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 18-Nov-2012 14:13:44 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0015025-003
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 3
Lims Batch ID: 65363 Lims Sample ID: 3
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:54 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl Date: 19-Nov-2012 11:03:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.294	0.000	56287635	0.0247			
2	2	1.650	1.650	0.000	36755387	0.0256			
						RPD = 3.66			
6 PCB-1016									M
1	100	1.593	1.593	0.000	19063711	0.4689		100.0	M
1	2	1.901	1.901	0.000	34610783	0.4815	149.3- 199.3	181.6	
1	3	2.328	2.328	0.000	72323555	0.4659	350.2- 400.2	379.4	
1	4	2.459	2.459	0.000	31210862	0.4841	130.7- 180.7	163.7	
1	5	2.871	2.871	0.000	33291668	0.4907	137.9- 187.9	174.6	
			Average of Peak Amounts =			0.4782			
2	6	2.146	2.146	0.000	10626795	0.4729		100.0	
2	7	2.569	2.569	0.000	22495107	0.4795	176.5- 236.5	211.7	
2	8	3.052	3.052	0.000	43873416	0.4829	362.5- 422.5	412.9	
2	9	3.199	3.199	0.000	18829715	0.4863	137.9- 197.9	177.2	
2	10	3.852	3.852	0.000	17962000	0.4980	118.8- 178.8	169.0	
			Average of Peak Amounts =			0.4839			
						RPD = 1.18			

Report Date: 19-Nov-2012 11:08:54 Chrom Revision: 2.0 15-Nov-2012 14:43:54
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300003.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	50694184	0.5002		100.0	
1	2	4.476	4.476	0.000	99620961	0.4965	175.1- 225.1	196.5	
1	3	4.774	4.774	0.000	99513883	0.4975	173.2- 223.2	196.3	
1	4	5.524	5.524	0.000	141655939	0.5212	244.1- 294.1	279.4	
1	5	5.828	5.828	0.000	63866952	0.4945	101.5- 151.5	126.0	
			Average of Peak Amounts =			0.5020			
2	6	5.136	5.136	0.000	32992848	0.4950		100.0	
2	7	5.384	5.384	0.000	38873305	0.5102	86.6- 146.6	117.8	
2	8	5.772	5.772	0.000	57903126	0.4956	142.9- 202.9	175.5	
2	9	6.504	6.504	0.000	73065327	0.5135	179.5- 239.5	221.5	
2	10	6.907	6.907	0.000	51132752	0.4910	121.8- 181.8	155.0	
			Average of Peak Amounts =			0.5011			
						RPD = 0.18			
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	67657660	0.0290			
2	2	8.219	8.219	0.000	36605161	0.0272			
						RPD = 6.42			

QC Flag Legend

Review Flags
M - Manually Integrated

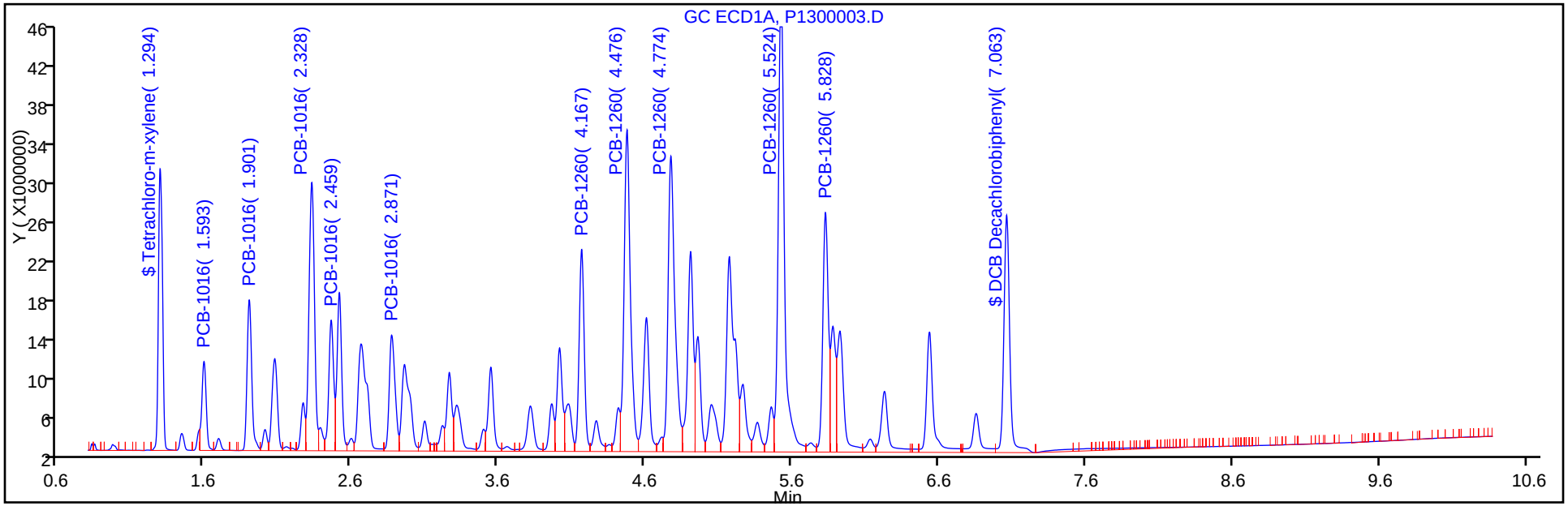
Report Date: 19-Nov-2012 11:08:54 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

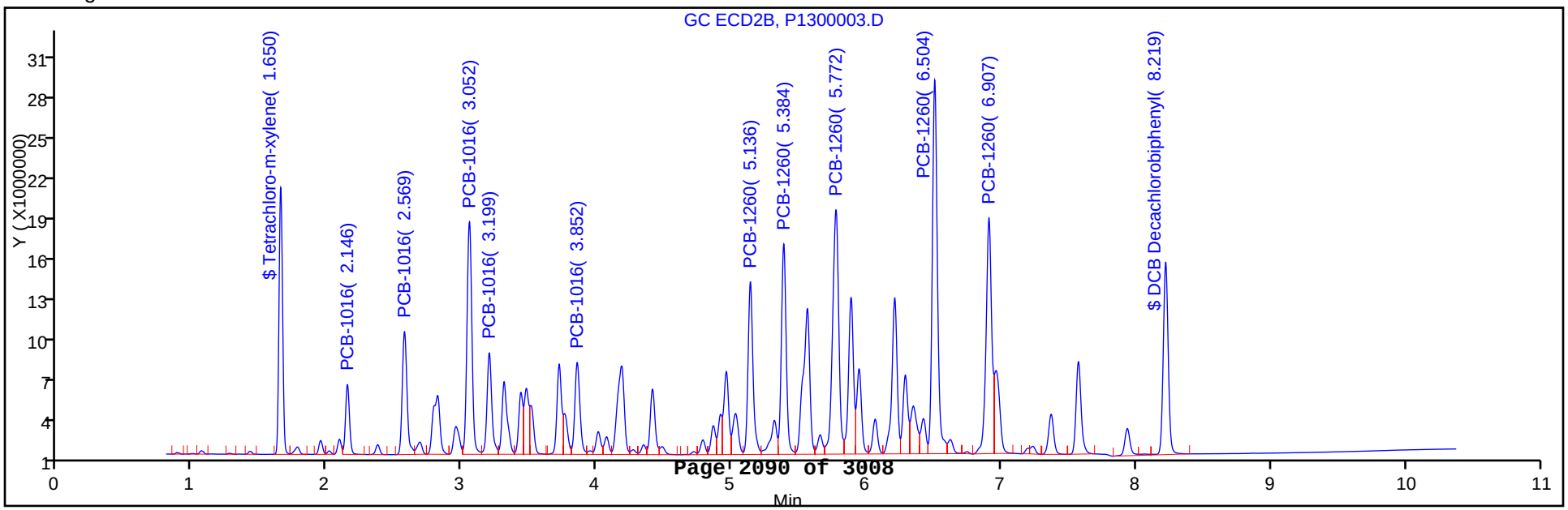
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300003.D

Injection Date:	18-Nov-2012 14:13:44	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/17 Calibration Date: 11/18/2012 17:42

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	35653864		0.438	0.500	-12.3	20.0
PCB-1016 Peak 2	Ave	71876982	64233156		0.447	0.500	-10.6	20.0
PCB-1016 Peak 3	Ave	155218061	141789870		0.457	0.500	-8.7	20.0
PCB-1016 Peak 4	Ave	64472512	51917834		0.403	0.500	-19.5	20.0
PCB-1016 Peak 5	Ave	67849134	63311952		0.467	0.500	-6.7	20.0
PCB-1260 Peak 1	Ave	101355640	94518472		0.466	0.500	-6.7	20.0
PCB-1260 Peak 2	Ave	200632590	190407538		0.475	0.500	-5.1	20.0
PCB-1260 Peak 3	Ave	200043209	189603848		0.474	0.500	-5.2	20.0
PCB-1260 Peak 4	Ave	271809958	270177614		0.497	0.500	-0.6	20.0
PCB-1260 Peak 5	Ave	129152153	121180794		0.469	0.500	-6.2	20.0
Tetrachloro-m-xylene	Ave	2282867563	2162362400		0.0237	0.0250	-5.3	20.0
DCB Decachlorobiphenyl	Ave	2334659370	2423812200		0.0260	0.0250	3.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/17 Calibration Date: 11/18/2012 17:42

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300017.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.59	1.54	1.64
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.28	2.38
PCB-1016 Peak 4	2.46	2.41	2.51
PCB-1016 Peak 5	2.87	2.82	2.92
PCB-1260 Peak 1	4.17	4.12	4.22
PCB-1260 Peak 2	4.48	4.43	4.53
PCB-1260 Peak 3	4.77	4.72	4.82
PCB-1260 Peak 4	5.53	5.48	5.58
PCB-1260 Peak 5	5.83	5.78	5.88
Tetrachloro-m-xylene	1.29	1.24	1.34
DCB Decachlorobiphenyl	7.06	7.01	7.11

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300017.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 18-Nov-2012 17:42:39 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015025-017
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 17
Lims Batch ID: 65363 Lims Sample ID: 17
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:45 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl Date: 19-Nov-2012 11:05:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.291	1.291	0.000	54059060	0.0237			
2	2	1.647	1.647	0.000	37298096	0.0260			
						RPD = 9.16			
6 PCB-1016									
1	100	1.589	1.589	0.000	17826932	0.4385		100.0	
1	2	1.898	1.898	0.000	32116578	0.4468	149.3- 199.3	180.2	
1	3	2.325	2.325	0.000	70894935	0.4567	350.2- 400.2	397.7	
1	4	2.457	2.457	0.000	25958917	0.4026	130.7- 180.7	145.6	
1	5	2.870	2.870	0.000	31655976	0.4666	137.9- 187.9	177.6	
			Average of Peak Amounts =			0.4423			
2	6	2.143	2.143	0.000	10811169	0.4811		100.0	
2	7	2.568	2.568	0.000	22528487	0.4802	176.5- 236.5	208.4	
2	8	3.050	3.050	0.000	46883327	0.5160	362.5- 422.5	433.7	
2	9	3.197	3.197	0.000	19390242	0.5008	137.9- 197.9	179.4	
2	10	3.850	3.850	0.000	17987983	0.4987	118.8- 178.8	166.4	
			Average of Peak Amounts =			0.4954			
						RPD = 11.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.165	4.165	0.000	47259236	0.4663		100.0	
1	2	4.475	4.475	0.000	95203769	0.4745	175.1- 225.1	201.5	
1	3	4.774	4.774	0.000	94801924	0.4739	173.2- 223.2	200.6	
1	4	5.525	5.525	0.000	135088807	0.4970	244.1- 294.1	285.8	
1	5	5.828	5.828	0.000	60590397	0.4691	101.5- 151.5	128.2	
			Average of Peak Amounts =			0.4762			
2	6	5.136	5.136	0.000	32799148	0.4921		100.0	
2	7	5.384	5.384	0.000	39739300	0.5225	86.6- 146.6	121.2	
2	8	5.771	5.771	0.000	59444909	0.5088	142.9- 202.9	181.2	
2	9	6.504	6.504	0.000	76089281	0.5347	179.5- 239.5	232.0	
2	10	6.907	6.907	0.000	53650305	0.5152	121.8- 181.8	163.6	
			Average of Peak Amounts =			0.5147			
						RPD = 7.77			
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	60595305	0.0260			
2	2	8.219	8.219	0.000	36682391	0.0272			
						RPD = 4.81			

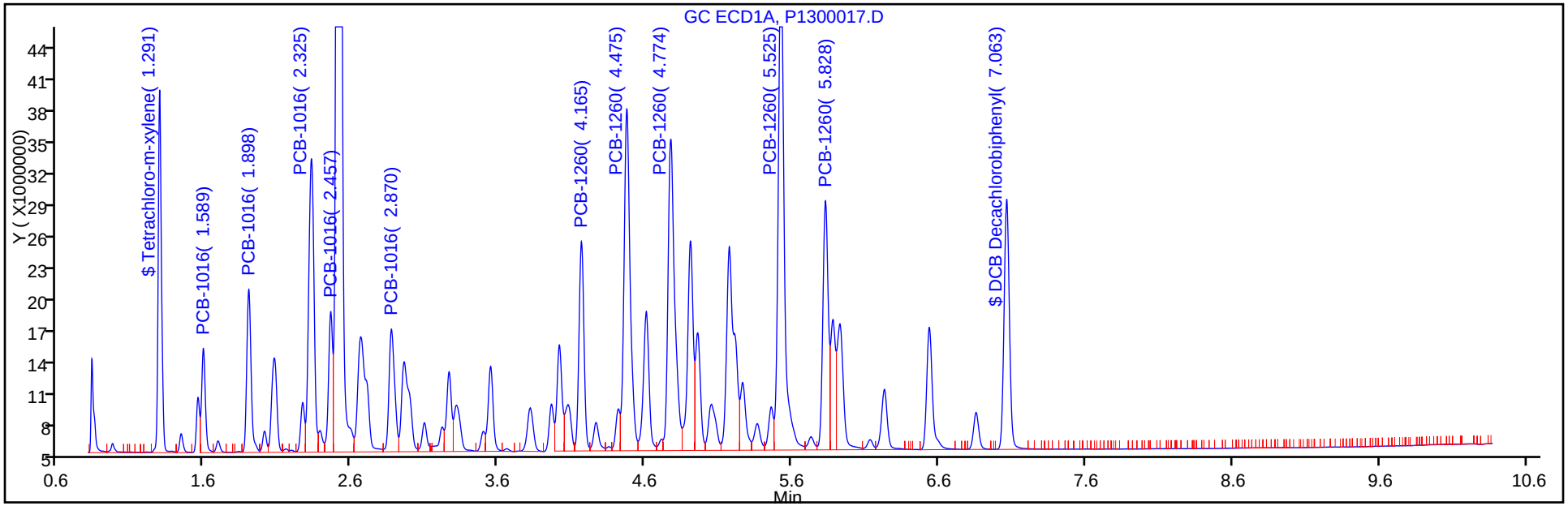
Report Date: 19-Nov-2012 11:08:45 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

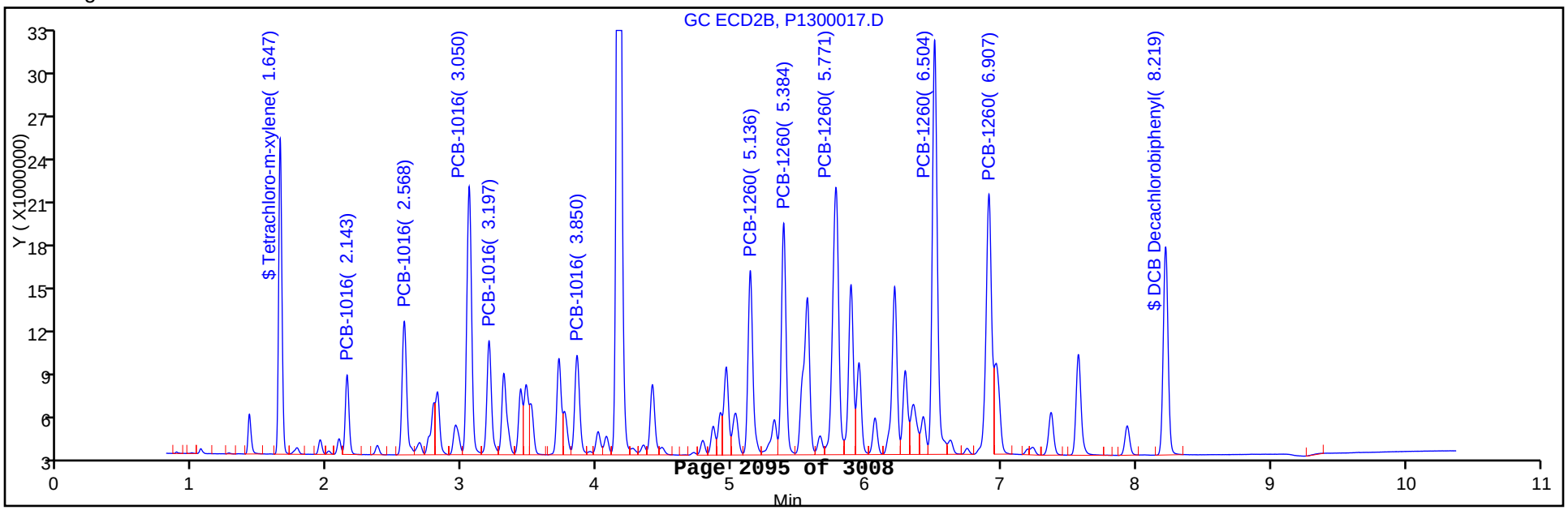
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300017.D

Injection Date:	18-Nov-2012 17:42:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/17 Calibration Date: 11/18/2012 17:42

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	21622338		0.481	0.500	-3.8	20.0
PCB-1016 Peak 2	Ave	46910344	45056974		0.480	0.500	-4.0	20.0
PCB-1016 Peak 3	Ave	90857261	93766654		0.516	0.500	3.2	20.0
PCB-1016 Peak 4	Ave	38716589	38780484		0.501	0.500	0.2	20.0
PCB-1016 Peak 5	Ave	36067525	35975966		0.499	0.500	-0.3	20.0
PCB-1260 Peak 1	Ave	66648717	65598296		0.492	0.500	-1.6	20.0
PCB-1260 Peak 2	Lin1		79478600		0.523	0.500	4.5	20.0
PCB-1260 Peak 3	Ave	116834929	118889818		0.509	0.500	1.8	20.0
PCB-1260 Peak 4	Ave	142290611	152178562		0.535	0.500	6.9	20.0
PCB-1260 Peak 5	Ave	104134113	107300610		0.515	0.500	3.0	20.0
Tetrachloro-m-xylene	Ave	1437051097	1491923840		0.0260	0.0250	3.8	20.0
DCB Decachlorobiphenyl	Ave	1346914135	1467295640		0.0272	0.0250	8.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/17 Calibration Date: 11/18/2012 17:42

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300017.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.09	2.19
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.85	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.38	5.33	5.43
PCB-1260 Peak 3	5.77	5.72	5.82
PCB-1260 Peak 4	6.50	6.45	6.55
PCB-1260 Peak 5	6.91	6.86	6.96
Tetrachloro-m-xylene	1.65	1.60	1.70
DCB Decachlorobiphenyl	8.22	8.17	8.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300017.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 18-Nov-2012 17:42:39 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015025-017
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 17
Lims Batch ID: 65363 Lims Sample ID: 17
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:45 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl Date: 19-Nov-2012 11:05:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.291	1.291	0.000	54059060	0.0237			
2	2	1.647	1.647	0.000	37298096	0.0260			
						RPD = 9.16			
6 PCB-1016									
1	100	1.589	1.589	0.000	17826932	0.4385		100.0	
1	2	1.898	1.898	0.000	32116578	0.4468	149.3- 199.3	180.2	
1	3	2.325	2.325	0.000	70894935	0.4567	350.2- 400.2	397.7	
1	4	2.457	2.457	0.000	25958917	0.4026	130.7- 180.7	145.6	
1	5	2.870	2.870	0.000	31655976	0.4666	137.9- 187.9	177.6	
			Average of Peak Amounts =			0.4423			
2	6	2.143	2.143	0.000	10811169	0.4811		100.0	
2	7	2.568	2.568	0.000	22528487	0.4802	176.5- 236.5	208.4	
2	8	3.050	3.050	0.000	46883327	0.5160	362.5- 422.5	433.7	
2	9	3.197	3.197	0.000	19390242	0.5008	137.9- 197.9	179.4	
2	10	3.850	3.850	0.000	17987983	0.4987	118.8- 178.8	166.4	
			Average of Peak Amounts =			0.4954			
						RPD = 11.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.165	4.165	0.000	47259236	0.4663		100.0	
1	2	4.475	4.475	0.000	95203769	0.4745	175.1- 225.1	201.5	
1	3	4.774	4.774	0.000	94801924	0.4739	173.2- 223.2	200.6	
1	4	5.525	5.525	0.000	135088807	0.4970	244.1- 294.1	285.8	
1	5	5.828	5.828	0.000	60590397	0.4691	101.5- 151.5	128.2	
			Average of Peak Amounts =			0.4762			
2	6	5.136	5.136	0.000	32799148	0.4921		100.0	
2	7	5.384	5.384	0.000	39739300	0.5225	86.6- 146.6	121.2	
2	8	5.771	5.771	0.000	59444909	0.5088	142.9- 202.9	181.2	
2	9	6.504	6.504	0.000	76089281	0.5347	179.5- 239.5	232.0	
2	10	6.907	6.907	0.000	53650305	0.5152	121.8- 181.8	163.6	
			Average of Peak Amounts =			0.5147			
						RPD = 7.77			
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	60595305	0.0260			
2	2	8.219	8.219	0.000	36682391	0.0272			
						RPD = 4.81			

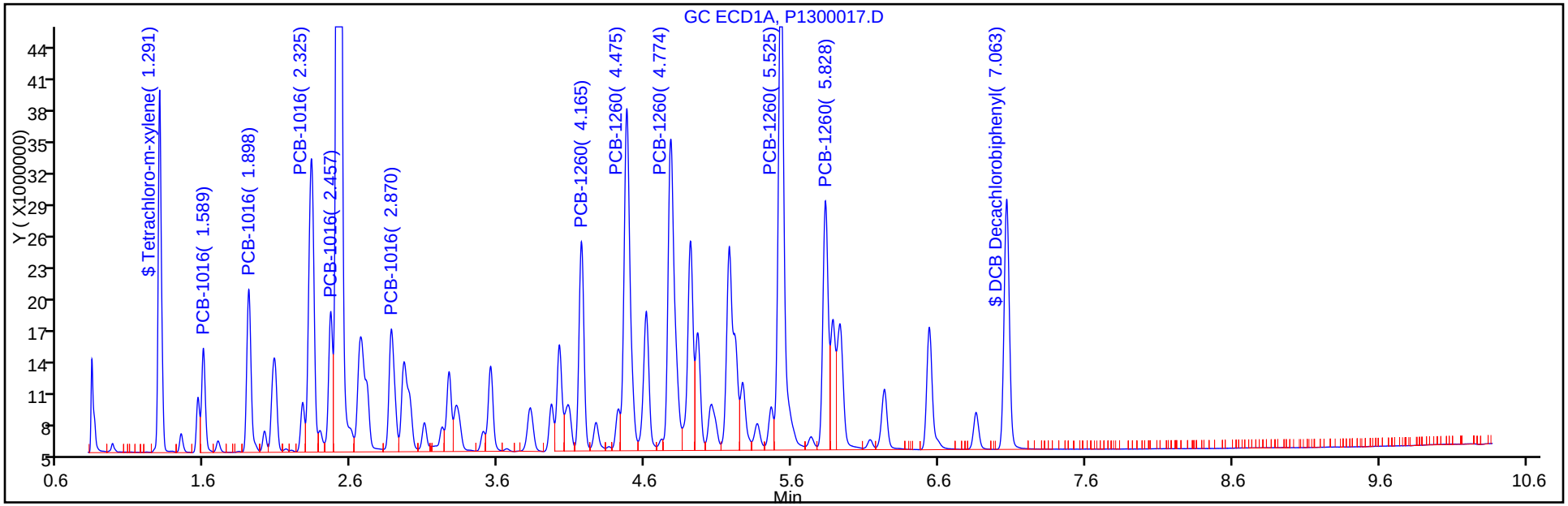
Report Date: 19-Nov-2012 11:08:46 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

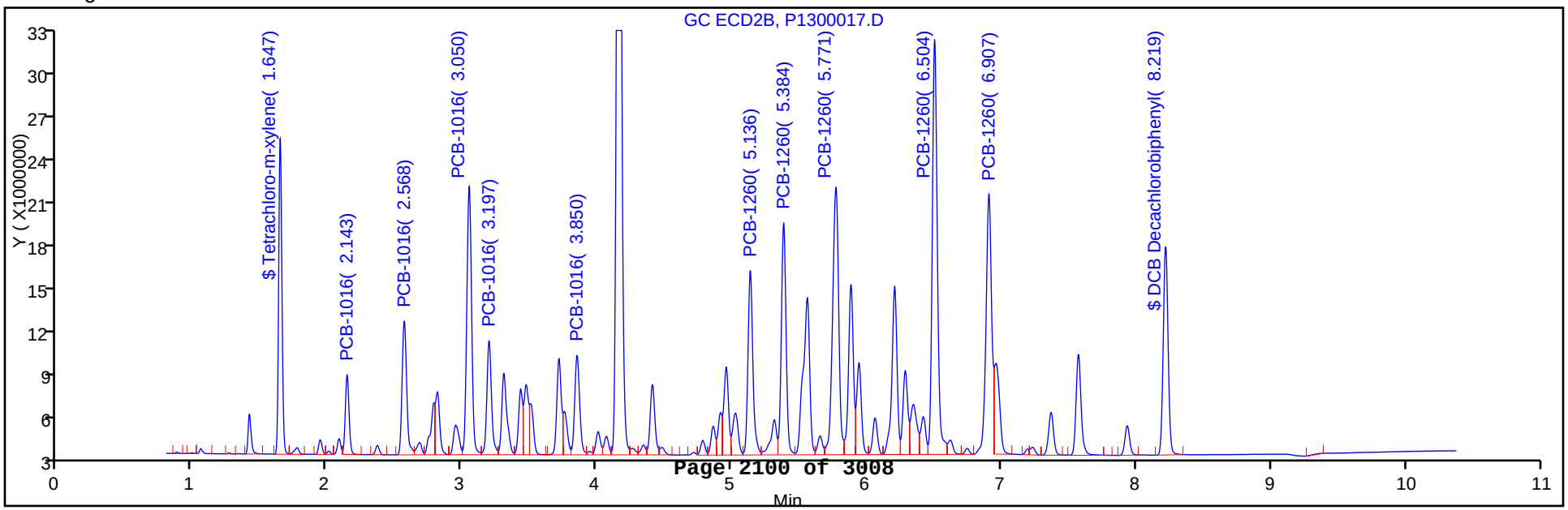
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300017.D

Injection Date:	18-Nov-2012 17:42:39	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/25 Calibration Date: 11/18/2012 19:41

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	37106660		0.456	0.500	-8.7	20.0
PCB-1016 Peak 2	Ave	71876982	65252144		0.454	0.500	-9.2	20.0
PCB-1016 Peak 3	Ave	155218061	143214008		0.461	0.500	-7.7	20.0
PCB-1016 Peak 4	Ave	64472512	50501490		0.392	0.500	-21.7*	20.0
PCB-1016 Peak 5	Ave	67849134	64108722		0.472	0.500	-5.5	20.0
PCB-1260 Peak 1	Ave	101355640	94863310		0.468	0.500	-6.4	20.0
PCB-1260 Peak 2	Ave	200632590	191423030		0.477	0.500	-4.6	20.0
PCB-1260 Peak 3	Ave	200043209	191766904		0.479	0.500	-4.1	20.0
PCB-1260 Peak 4	Ave	271809958	274879010		0.506	0.500	1.1	20.0
PCB-1260 Peak 5	Ave	129152153	124668176		0.483	0.500	-3.5	20.0
Tetrachloro-m-xylene	Ave	2282867563	2204593280		0.0241	0.0250	-3.4	20.0
DCB Decachlorobiphenyl	Ave	2334659370	2474225480		0.0265	0.0250	6.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/25 Calibration Date: 11/18/2012 19:41

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300025.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.59	1.54	1.64
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.28	2.38
PCB-1016 Peak 4	2.46	2.41	2.51
PCB-1016 Peak 5	2.87	2.82	2.92
PCB-1260 Peak 1	4.17	4.12	4.22
PCB-1260 Peak 2	4.48	4.43	4.53
PCB-1260 Peak 3	4.78	4.73	4.83
PCB-1260 Peak 4	5.53	5.48	5.58
PCB-1260 Peak 5	5.83	5.78	5.88
Tetrachloro-m-xylene	1.29	1.24	1.34
DCB Decachlorobiphenyl	7.06	7.01	7.11

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300025.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 18-Nov-2012 19:41:55 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015025-025
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 25
Lims Batch ID: 65363 Lims Sample ID: 25
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:36 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl Date: 19-Nov-2012 11:07:25

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.292	1.292	0.000	55114832	0.0241			
2	2	1.648	1.648	0.000	38093880	0.0265			
						RPD = 9.34			
6 PCB-1016									
1	100	1.591	1.591	0.000	18553330	0.4564		100.0	
1	2	1.901	1.901	0.000	32626072	0.4539	149.3- 199.3	175.9	
1	3	2.328	2.328	0.000	71607004	0.4613	350.2- 400.2	386.0	
1	4	2.459	2.459	0.000	25250745	0.3917	130.7- 180.7	136.1	
1	5	2.872	2.872	0.000	32054361	0.4724	137.9- 187.9	172.8	
			Average of Peak Amounts =			0.4471			
2	6	2.144	2.144	0.000	11091449	0.4935		100.0	
2	7	2.569	2.569	0.000	22958191	0.4894	176.5- 236.5	207.0	
2	8	3.050	3.050	0.000	48099349	0.5294	362.5- 422.5	433.7	
2	9	3.199	3.199	0.000	19880836	0.5135	137.9- 197.9	179.2	
2	10	3.850	3.850	0.000	18332181	0.5083	118.8- 178.8	165.3	
			Average of Peak Amounts =			0.5068			
						RPD = 12.51			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	47431655	0.4680		100.0	
1	2	4.476	4.476	0.000	95711515	0.4770	175.1- 225.1	201.8	
1	3	4.775	4.775	0.000	95883452	0.4793	173.2- 223.2	202.2	
1	4	5.527	5.527	0.000	137439505	0.5056	244.1- 294.1	289.8	
1	5	5.830	5.830	0.000	62334088	0.4826	101.5- 151.5	131.4	
			Average of Peak Amounts =			0.4825			
2	6	5.137	5.137	0.000	33400080	0.5011		100.0	
2	7	5.385	5.385	0.000	40705638	0.5363	86.6- 146.6	121.9	
2	8	5.772	5.772	0.000	61107367	0.5230	142.9- 202.9	183.0	
2	9	6.505	6.505	0.000	78734504	0.5533	179.5- 239.5	235.7	
2	10	6.908	6.908	0.000	55851390	0.5363	121.8- 181.8	167.2	
			Average of Peak Amounts =			0.5300			
						RPD = 9.38			
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	61855637	0.0265			
2	2	8.220	8.220	0.000	38040181	0.0282			
						RPD = 6.39			

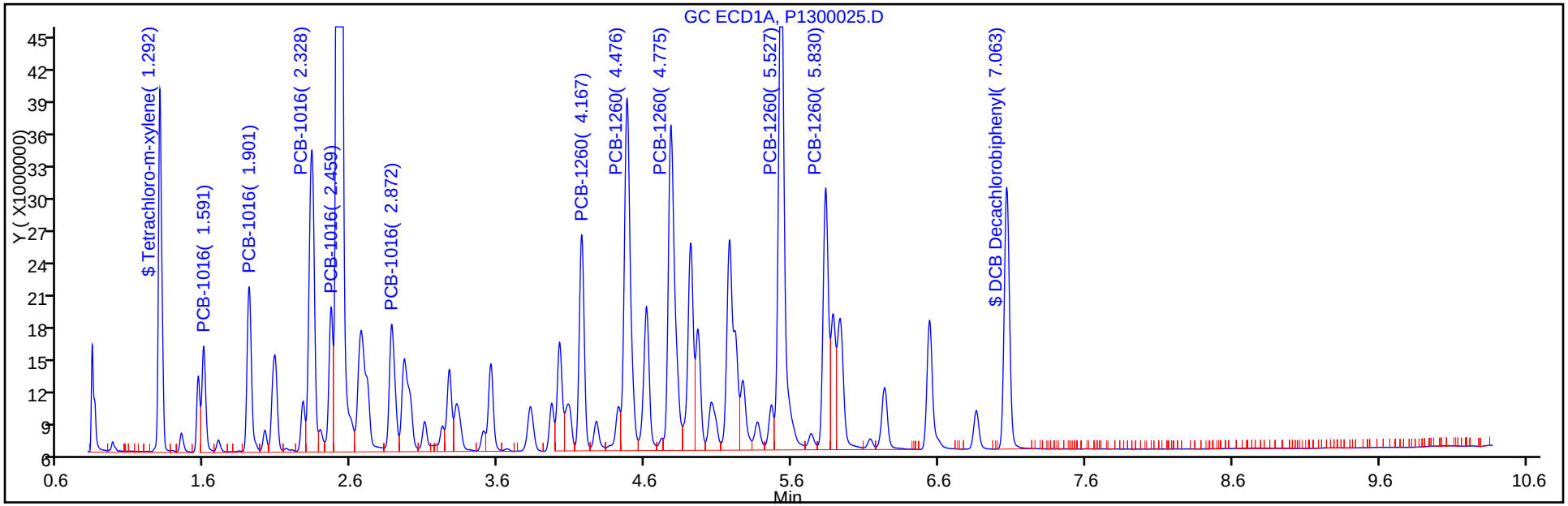
Report Date: 19-Nov-2012 11:08:37 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

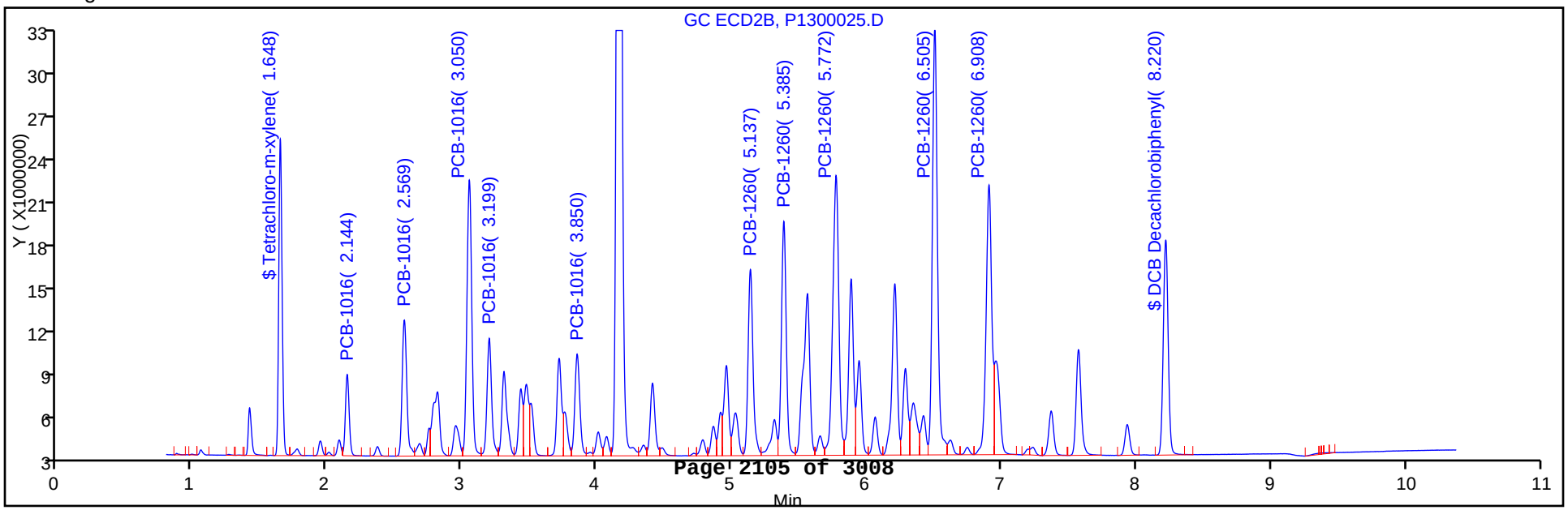
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300025.D

Injection Date:	18-Nov-2012 19:41:55	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/25 Calibration Date: 11/18/2012 19:41

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	22182898		0.494	0.500	-1.3	20.0
PCB-1016 Peak 2	Ave	46910344	45916382		0.489	0.500	-2.1	20.0
PCB-1016 Peak 3	Ave	90857261	96198698		0.529	0.500	5.9	20.0
PCB-1016 Peak 4	Ave	38716589	39761672		0.513	0.500	2.7	20.0
PCB-1016 Peak 5	Ave	36067525	36664362		0.508	0.500	1.7	20.0
PCB-1260 Peak 1	Ave	66648717	66800160		0.501	0.500	0.2	20.0
PCB-1260 Peak 2	Lin1		81411276		0.536	0.500	7.3	20.0
PCB-1260 Peak 3	Ave	116834929	122214734		0.523	0.500	4.6	20.0
PCB-1260 Peak 4	Ave	142290611	157469008		0.553	0.500	10.7	20.0
PCB-1260 Peak 5	Ave	104134113	111702780		0.536	0.500	7.3	20.0
Tetrachloro-m-xylene	Ave	1437051097	1523755200		0.0265	0.0250	6.0	20.0
DCB Decachlorobiphenyl	Ave	1346914135	1521607240		0.0282	0.0250	13.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-65363/25 Calibration Date: 11/18/2012 19:41

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300025.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.09	2.19
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.85	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.39	5.34	5.44
PCB-1260 Peak 3	5.77	5.72	5.82
PCB-1260 Peak 4	6.51	6.46	6.56
PCB-1260 Peak 5	6.91	6.86	6.96
Tetrachloro-m-xylene	1.65	1.60	1.70
DCB Decachlorobiphenyl	8.22	8.17	8.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300025.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 18-Nov-2012 19:41:55 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015025-025
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 25
Lims Batch ID: 65363 Lims Sample ID: 25
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:36 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl Date: 19-Nov-2012 11:07:25

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.292	1.292	0.000	55114832	0.0241			
2	2	1.648	1.648	0.000	38093880	0.0265			
						RPD = 9.34			
6 PCB-1016									
1	100	1.591	1.591	0.000	18553330	0.4564		100.0	
1	2	1.901	1.901	0.000	32626072	0.4539	149.3- 199.3	175.9	
1	3	2.328	2.328	0.000	71607004	0.4613	350.2- 400.2	386.0	
1	4	2.459	2.459	0.000	25250745	0.3917	130.7- 180.7	136.1	
1	5	2.872	2.872	0.000	32054361	0.4724	137.9- 187.9	172.8	
			Average of Peak Amounts =			0.4471			
2	6	2.144	2.144	0.000	11091449	0.4935		100.0	
2	7	2.569	2.569	0.000	22958191	0.4894	176.5- 236.5	207.0	
2	8	3.050	3.050	0.000	48099349	0.5294	362.5- 422.5	433.7	
2	9	3.199	3.199	0.000	19880836	0.5135	137.9- 197.9	179.2	
2	10	3.850	3.850	0.000	18332181	0.5083	118.8- 178.8	165.3	
			Average of Peak Amounts =			0.5068			
						RPD = 12.51			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	47431655	0.4680		100.0	
1	2	4.476	4.476	0.000	95711515	0.4770	175.1- 225.1	201.8	
1	3	4.775	4.775	0.000	95883452	0.4793	173.2- 223.2	202.2	
1	4	5.527	5.527	0.000	137439505	0.5056	244.1- 294.1	289.8	
1	5	5.830	5.830	0.000	62334088	0.4826	101.5- 151.5	131.4	
			Average of Peak Amounts =			0.4825			
2	6	5.137	5.137	0.000	33400080	0.5011		100.0	
2	7	5.385	5.385	0.000	40705638	0.5363	86.6- 146.6	121.9	
2	8	5.772	5.772	0.000	61107367	0.5230	142.9- 202.9	183.0	
2	9	6.505	6.505	0.000	78734504	0.5533	179.5- 239.5	235.7	
2	10	6.908	6.908	0.000	55851390	0.5363	121.8- 181.8	167.2	
			Average of Peak Amounts =			0.5300			
						RPD = 9.38			
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	61855637	0.0265			
2	2	8.220	8.220	0.000	38040181	0.0282			
						RPD = 6.39			

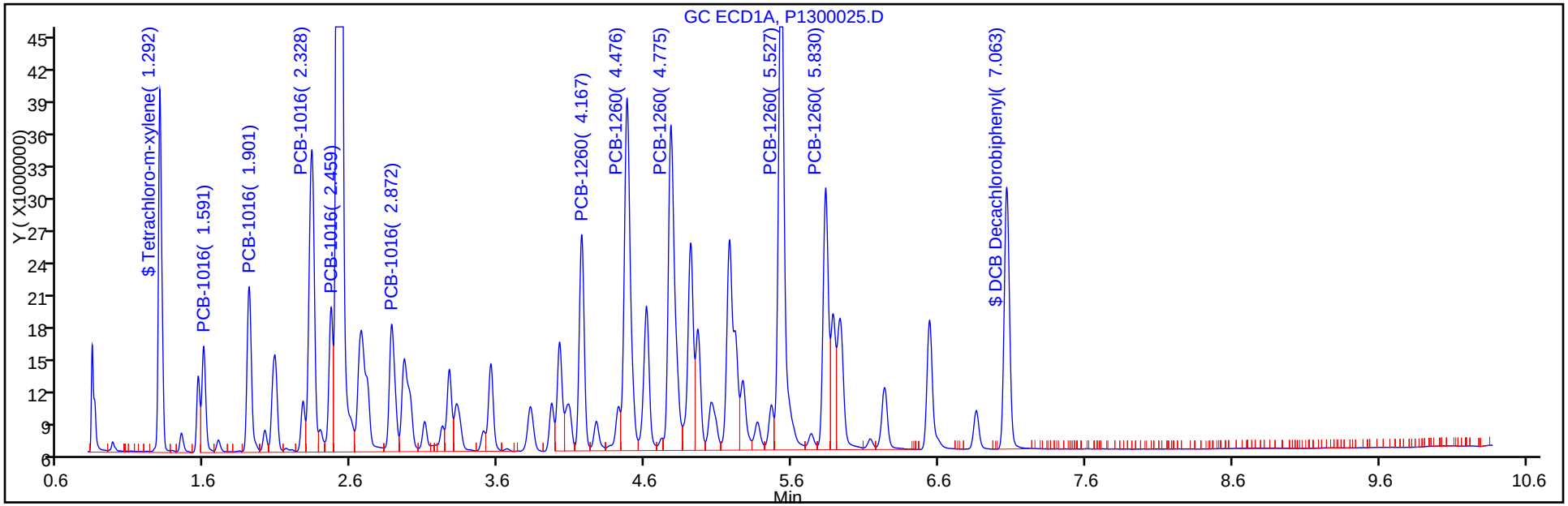
Report Date: 19-Nov-2012 11:08:38 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

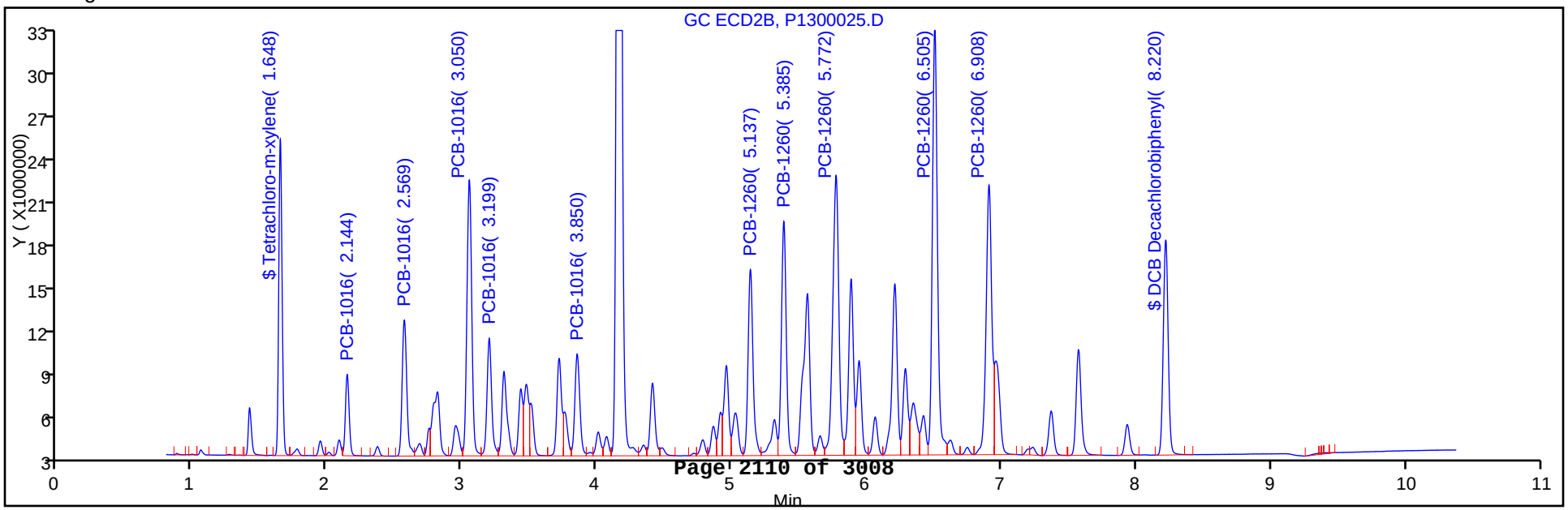
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300025.D

Injection Date:	18-Nov-2012 19:41:55	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	25
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/4 Calibration Date: 11/27/2012 02:21

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	0.0000		0.000200	0.500	-100.0*	20.0
PCB-1016 Peak 2	Ave	71876982	73676222		0.513	0.500	2.5	20.0
PCB-1016 Peak 3	Ave	155218061	162099934		0.522	0.500	4.4	20.0
PCB-1016 Peak 4	Ave	64472512	48667218		0.377	0.500	-24.5*	20.0
PCB-1016 Peak 5	Ave	67849134	73543618		0.542	0.500	8.4	20.0
PCB-1260 Peak 1	Ave	101355640	108613300		0.536	0.500	7.2	20.0
PCB-1260 Peak 2	Ave	200632590	216692238		0.540	0.500	8.0	20.0
PCB-1260 Peak 3	Ave	200043209	217987478		0.545	0.500	9.0	20.0
PCB-1260 Peak 4	Ave	271809958	307951004		0.566	0.500	13.3	20.0
PCB-1260 Peak 5	Ave	129152153	142237280		0.551	0.500	10.1	20.0
Tetrachloro-m-xylene	Ave	2282867563	2368126240		0.0259	0.0250	3.7	20.0
DCB Decachlorobiphenyl	Ave	2334659370	2781972240		0.0298	0.0250	19.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/4 Calibration Date: 11/27/2012 02:21

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	0.00	1.50	1.60
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.28	2.38
PCB-1016 Peak 4	2.46	2.41	2.51
PCB-1016 Peak 5	2.87	2.82	2.92
PCB-1260 Peak 1	4.17	4.12	4.22
PCB-1260 Peak 2	4.47	4.42	4.52
PCB-1260 Peak 3	4.77	4.72	4.82
PCB-1260 Peak 4	5.53	5.48	5.58
PCB-1260 Peak 5	5.83	5.78	5.88
Tetrachloro-m-xylene	1.29	1.24	1.34
DCB Decachlorobiphenyl	7.07	7.02	7.12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300004.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 27-Nov-2012 02:21:55 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0015278-004
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 1/cm ALS Bottle#: 4
Lims Batch ID: 66323 Lims Sample ID: 4
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 28-Nov-2012 11:21:14 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: bosworthh Date: 28-Nov-2012 10:52:27

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.292	1.292	0.000	59203156	0.0259			
2	2	1.648	1.648	0.000	41770264	0.0291			
						RPD = 11.39			
6 PCB-1016									M
1	100	0.0	1.553	-1.553	0	0		100.0	
1	2	1.900	1.900	0.000	36838111	0.5125	149.3- 199.3		M
1	3	2.327	2.327	0.000	81049967	0.5222	350.2- 400.2		M
1	4	2.460	2.460	0.000	24333609	0.3774	130.7- 180.7		M
1	5	2.872	2.872	0.000	36771809	0.5420	137.9- 187.9		M
			Average of Peak Amounts =			0.4885			
2	6	2.145	2.145	0.000	12561538	0.5589		100.0	
2	7	2.567	2.567	0.000	24150078	0.5148	176.5- 236.5	192.3	
2	8	3.050	3.050	0.000	51071111	0.5621	362.5- 422.5	406.6	
2	9	3.197	3.197	0.000	20613255	0.5324	137.9- 197.9	164.1	
2	10	3.850	3.850	0.000	20770474	0.5759	118.8- 178.8	165.3	
			Average of Peak Amounts =			0.5488			
						RPD = 11.63			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	54306650	0.5358		100.0	
1	2	4.474	4.474	0.000	108346119	0.5400	175.1- 225.1	199.5	
1	3	4.774	4.774	0.000	108993739	0.5449	173.2- 223.2	200.7	
1	4	5.526	5.526	0.000	153975502	0.5665	244.1- 294.1	283.5	
1	5	5.828	5.828	0.000	71118640	0.5507	101.5- 151.5	131.0	
			Average of Peak Amounts =			0.5476			
2	6	5.136	5.136	0.000	36817630	0.5524		100.0	
2	7	5.382	5.382	0.000	44862035	0.5955	86.6- 146.6	121.8	
2	8	5.771	5.771	0.000	68103500	0.5829	142.9- 202.9	185.0	
2	9	6.503	6.503	0.000	87708850	0.6164	179.5- 239.5	238.2	
2	10	6.906	6.906	0.000	62819715	0.6033	121.8- 181.8	170.6	
			Average of Peak Amounts =			0.5901			
						RPD = 7.48			
$ 12 DCB Decachlorobiphenyl									
1	100	7.065	7.065	0.000	69549306	0.0298			
2	2	8.217	8.217	0.000	42120057	0.0313			
						RPD = 4.85			

QC Flag Legend

Review Flags
M - Manually Integrated

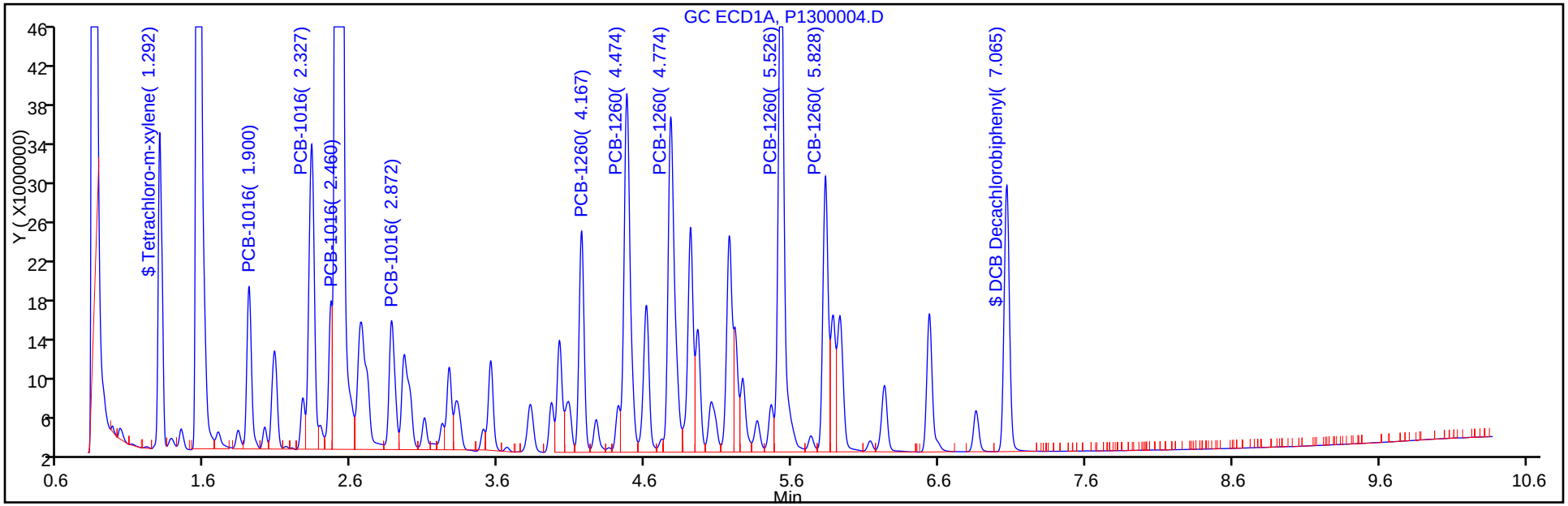
Report Date: 28-Nov-2012 11:21:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

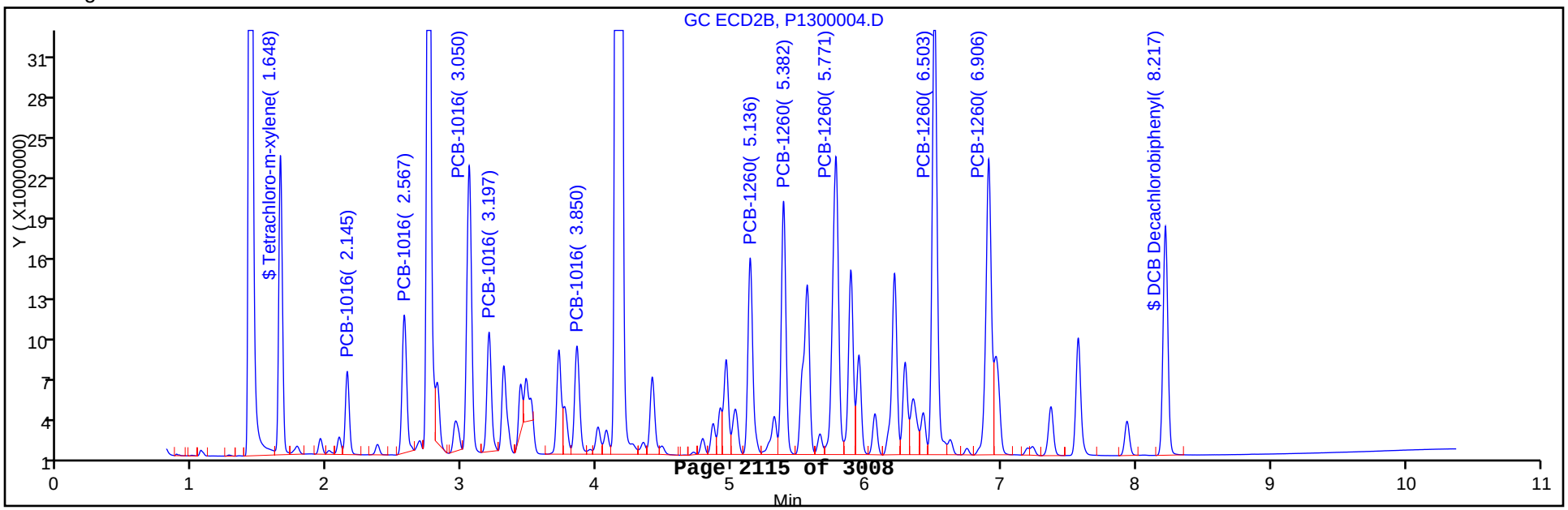
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300004.D

Injection Date:	27-Nov-2012 02:21:55	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



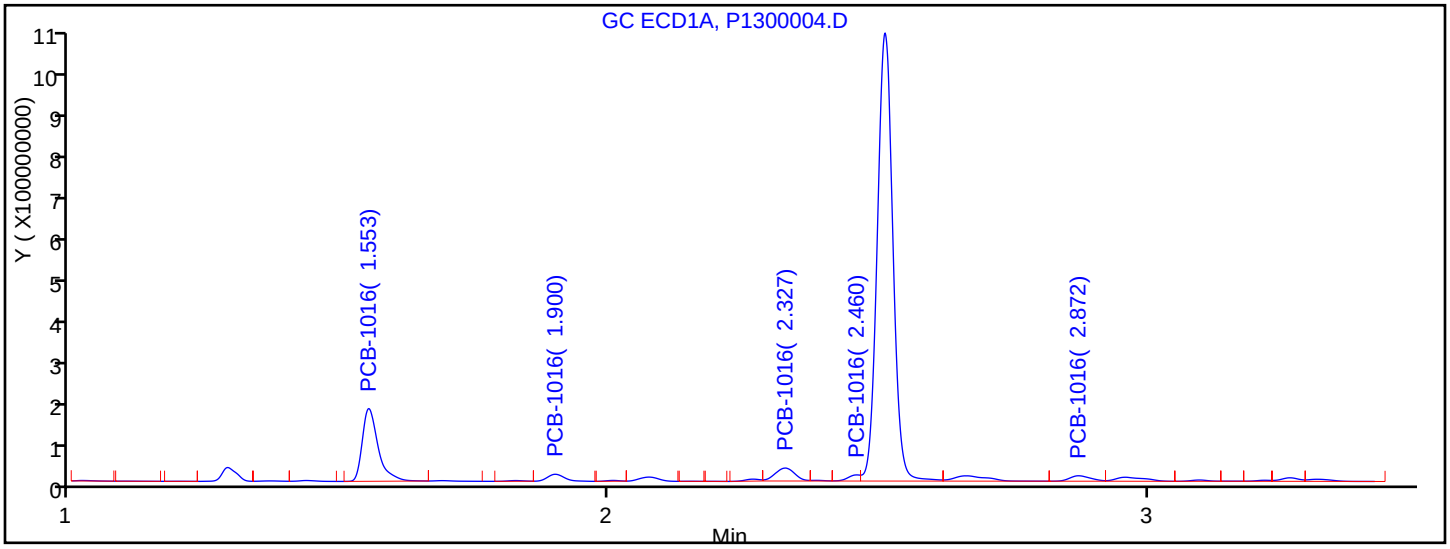
Report Date: 28-Nov-2012 11:21:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300004.D

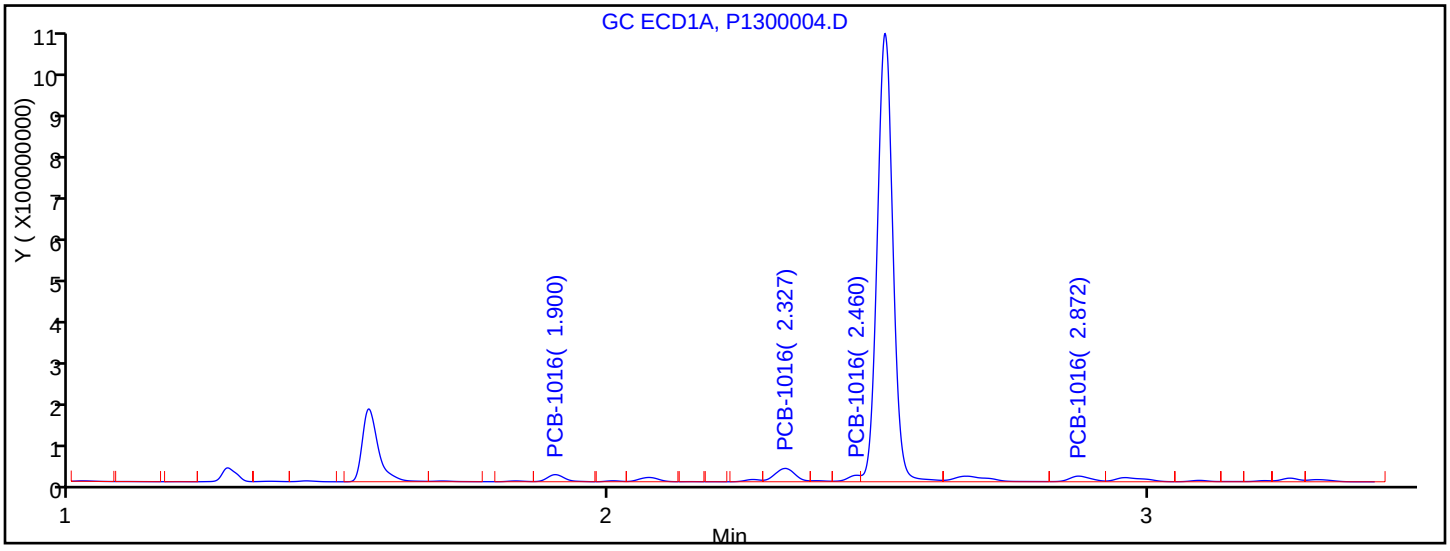
Injection Date:	27-Nov-2012 02:21:55	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.553	Response = 344814825	
RT = 1.900	Response = 35074369	M
RT = 2.327	Response = 76089435	M
RT = 2.460	Response = 21643307	M
RT = 2.872	Response = 33734587	M



Manual Integration Results

RT = 0.000	Response = 0	
RT = 1.900	Response = 36838111	M
RT = 2.327	Response = 81049967	M
RT = 2.460	Response = 24333609	M
RT = 2.872	Response = 36771809	M

Reviewer: hassl, 27-Nov-2012 09:50:52

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/4 Calibration Date: 11/27/2012 02:21

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	25123076		0.559	0.500	11.8	20.0
PCB-1016 Peak 2	Ave	46910344	48300156		0.515	0.500	3.0	20.0
PCB-1016 Peak 3	Ave	90857261	102142222		0.562	0.500	12.4	20.0
PCB-1016 Peak 4	Ave	38716589	41226510		0.532	0.500	6.5	20.0
PCB-1016 Peak 5	Ave	36067525	41540948		0.576	0.500	15.2	20.0
PCB-1260 Peak 1	Ave	66648717	73635260		0.552	0.500	10.5	20.0
PCB-1260 Peak 2	Lin1		89724070		0.596	0.500	19.1	20.0
PCB-1260 Peak 3	Ave	116834929	136207000		0.583	0.500	16.6	20.0
PCB-1260 Peak 4	Ave	142290611	175417700		0.616	0.500	23.3*	20.0
PCB-1260 Peak 5	Ave	104134113	125639430		0.603	0.500	20.7*	20.0
Tetrachloro-m-xylene	Ave	1437051097	1670810560		0.0291	0.0250	16.3	20.0
DCB Decachlorobiphenyl	Ave	1346914135	1684802280		0.0313	0.0250	25.1*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/4 Calibration Date: 11/27/2012 02:21

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.10	2.20
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.85	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.38	5.33	5.43
PCB-1260 Peak 3	5.77	5.72	5.82
PCB-1260 Peak 4	6.50	6.45	6.55
PCB-1260 Peak 5	6.91	6.86	6.96
Tetrachloro-m-xylene	1.65	1.60	1.70
DCB Decachlorobiphenyl	8.22	8.17	8.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300004.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 27-Nov-2012 02:21:55 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0015278-004
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 1/cm ALS Bottle#: 4
Lims Batch ID: 66323 Lims Sample ID: 4
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 28-Nov-2012 11:21:14 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK013

First Level Reviewer: bosworthh Date: 28-Nov-2012 10:52:27

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.292	1.292	0.000	59203156	0.0259			
2	2	1.648	1.648	0.000	41770264	0.0291			
						RPD = 11.39			
6 PCB-1016									M
1	100	0.0	1.553	-1.553	0	0		100.0	
1	2	1.900	1.900	0.000	36838111	0.5125	149.3- 199.3		M
1	3	2.327	2.327	0.000	81049967	0.5222	350.2- 400.2		M
1	4	2.460	2.460	0.000	24333609	0.3774	130.7- 180.7		M
1	5	2.872	2.872	0.000	36771809	0.5420	137.9- 187.9		M
			Average of Peak Amounts =			0.4885			
2	6	2.145	2.145	0.000	12561538	0.5589		100.0	
2	7	2.567	2.567	0.000	24150078	0.5148	176.5- 236.5	192.3	
2	8	3.050	3.050	0.000	51071111	0.5621	362.5- 422.5	406.6	
2	9	3.197	3.197	0.000	20613255	0.5324	137.9- 197.9	164.1	
2	10	3.850	3.850	0.000	20770474	0.5759	118.8- 178.8	165.3	
			Average of Peak Amounts =			0.5488			
						RPD = 11.63			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	54306650	0.5358		100.0	
1	2	4.474	4.474	0.000	108346119	0.5400	175.1- 225.1	199.5	
1	3	4.774	4.774	0.000	108993739	0.5449	173.2- 223.2	200.7	
1	4	5.526	5.526	0.000	153975502	0.5665	244.1- 294.1	283.5	
1	5	5.828	5.828	0.000	71118640	0.5507	101.5- 151.5	131.0	
			Average of Peak Amounts =			0.5476			
2	6	5.136	5.136	0.000	36817630	0.5524		100.0	
2	7	5.382	5.382	0.000	44862035	0.5955	86.6- 146.6	121.8	
2	8	5.771	5.771	0.000	68103500	0.5829	142.9- 202.9	185.0	
2	9	6.503	6.503	0.000	87708850	0.6164	179.5- 239.5	238.2	
2	10	6.906	6.906	0.000	62819715	0.6033	121.8- 181.8	170.6	
			Average of Peak Amounts =			0.5901			
						RPD = 7.48			
$ 12 DCB Decachlorobiphenyl									
1	100	7.065	7.065	0.000	69549306	0.0298			
2	2	8.217	8.217	0.000	42120057	0.0313			
						RPD = 4.85			

QC Flag Legend

Review Flags
M - Manually Integrated

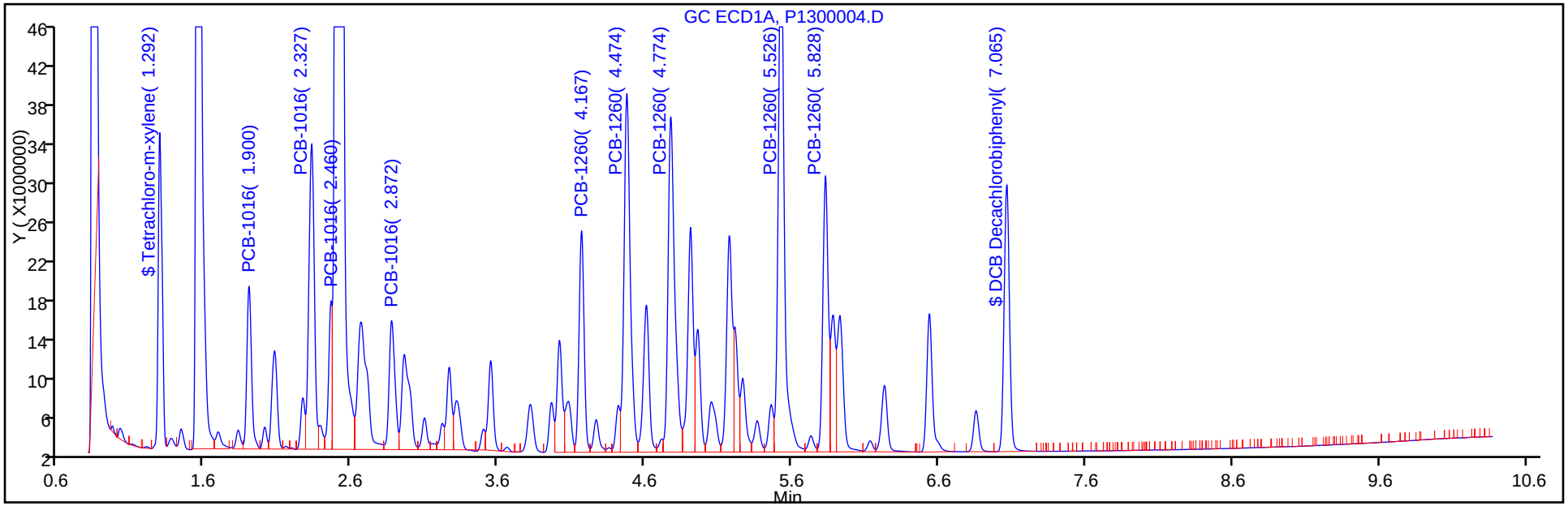
Report Date: 28-Nov-2012 11:21:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

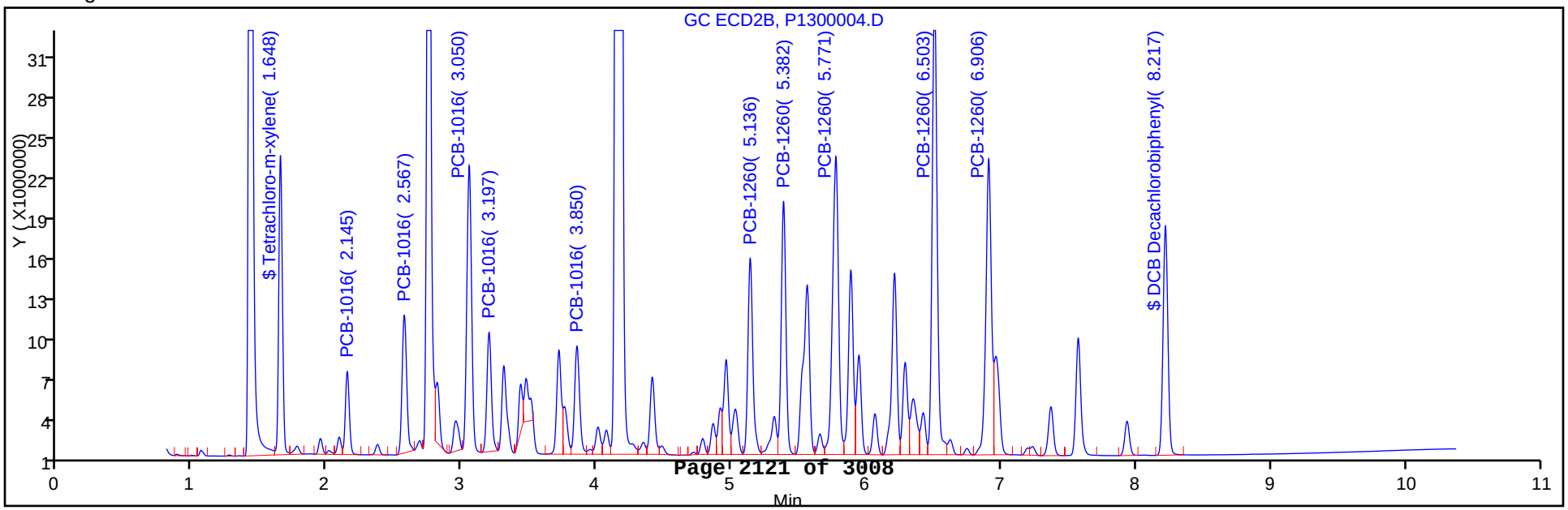
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300004.D

Injection Date:	27-Nov-2012 02:21:55	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/19 Calibration Date: 11/27/2012 06:05

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	38770258		0.477	0.500	-4.6	20.0
PCB-1016 Peak 2	Ave	71876982	73537932		0.512	0.500	2.3	20.0
PCB-1016 Peak 3	Ave	155218061	156520942		0.504	0.500	0.8	20.0
PCB-1016 Peak 4	Ave	64472512	66631102		0.517	0.500	3.3	20.0
PCB-1016 Peak 5	Ave	67849134	68138536		0.502	0.500	0.4	20.0
PCB-1260 Peak 1	Ave	101355640	101615798		0.501	0.500	0.3	20.0
PCB-1260 Peak 2	Ave	200632590	203773340		0.508	0.500	1.6	20.0
PCB-1260 Peak 3	Ave	200043209	202854550		0.507	0.500	1.4	20.0
PCB-1260 Peak 4	Ave	271809958	277686590		0.511	0.500	2.2	20.0
PCB-1260 Peak 5	Ave	129152153	128760574		0.498	0.500	-0.3	20.0
Tetrachloro-m-xylene	Ave	2282867563	2304794040		0.0252	0.0250	1.0	20.0
DCB Decachlorobiphenyl	Ave	2334659370	2348688480		0.0252	0.0250	0.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/19 Calibration Date: 11/27/2012 06:05

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300019.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.59	1.54	1.64
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.28	2.38
PCB-1016 Peak 4	2.46	2.41	2.51
PCB-1016 Peak 5	2.87	2.82	2.92
PCB-1260 Peak 1	4.17	4.12	4.22
PCB-1260 Peak 2	4.48	4.43	4.53
PCB-1260 Peak 3	4.78	4.73	4.83
PCB-1260 Peak 4	5.53	5.48	5.58
PCB-1260 Peak 5	5.83	5.78	5.88
Tetrachloro-m-xylene	1.29	1.24	1.34
DCB Decachlorobiphenyl	7.07	7.02	7.12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 27-Nov-2012 06:05:53 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015278-019
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 1/cm ALS Bottle#: 19
Lims Batch ID: 66323 Lims Sample ID: 19
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl Date: 27-Nov-2012 09:44:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.293	1.293	0.000	57619851	0.0252			
2	2	1.648	1.648	0.000	38284326	0.0266			
						RPD = 5.40			
6 PCB-1016									M
1	100	1.593	1.593	0.000	19385129	0.4768		100.0	M
1	2	1.902	1.902	0.000	36768966	0.5116	149.3- 199.3	189.7	M
1	3	2.329	2.329	0.000	78260471	0.5042	350.2- 400.2	403.7	M
1	4	2.460	2.460	0.000	33315551	0.5167	130.7- 180.7	171.9	M
1	5	2.873	2.873	0.000	34069268	0.5021	137.9- 187.9	175.7	M
			Average of Peak Amounts =			0.5023			
2	6	2.144	2.144	0.000	11911590	0.5300		100.0	
2	7	2.567	2.567	0.000	24106430	0.5139	176.5- 236.5	202.4	
2	8	3.049	3.049	0.000	51115229	0.5626	362.5- 422.5	429.1	
2	9	3.198	3.198	0.000	21217678	0.5480	137.9- 197.9	178.1	
2	10	3.849	3.849	0.000	19335221	0.5361	118.8- 178.8	162.3	
			Average of Peak Amounts =			0.5381			
						RPD = 6.89			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	4.168	4.168	0.000	50807899	0.5013		100.0	M
1	2	4.478	4.478	0.000	101886670	0.5078	175.1- 225.1	200.5	M
1	3	4.777	4.777	0.000	101427275	0.5070	173.2- 223.2	199.6	M
1	4	5.528	5.528	0.000	138843295	0.5108	244.1- 294.1	273.3	M
1	5	5.830	5.830	0.000	64380287	0.4985	101.5- 151.5	126.7	M
			Average of Peak Amounts =			0.5051			
2	6	5.135	5.135	0.000	34905265	0.5237		100.0	
2	7	5.383	5.383	0.000	43795939	0.5803	86.6- 146.6	125.5	
2	8	5.771	5.771	0.000	63820849	0.5462	142.9- 202.9	182.8	
2	9	6.503	6.503	0.000	80509888	0.5658	179.5- 239.5	230.7	
2	10	6.905	6.905	0.000	57642337	0.5535	121.8- 181.8	165.1	
			Average of Peak Amounts =			0.5539			
						RPD = 9.22			
$ 12 DCB Decachlorobiphenyl									
1	100	7.065	7.065	0.000	58717212	0.0252			
2	2	8.218	8.218	0.000	36993475	0.0275			
						RPD = 8.80			

QC Flag Legend

Review Flags
M - Manually Integrated

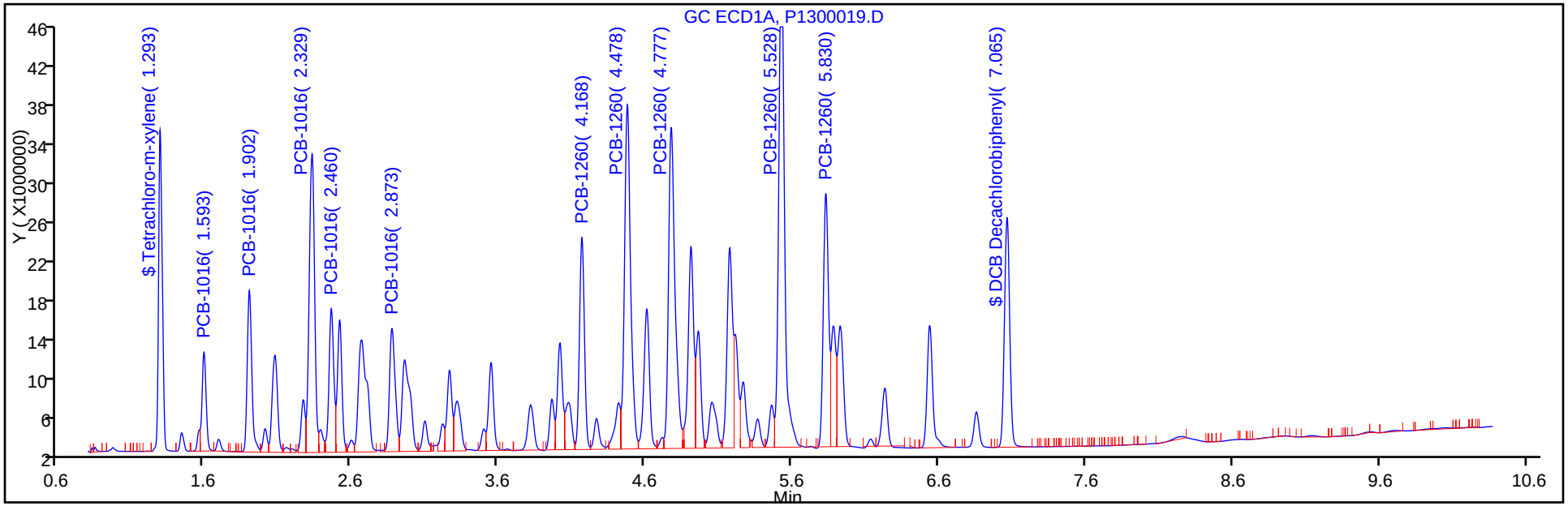
Report Date: 27-Nov-2012 09:54:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

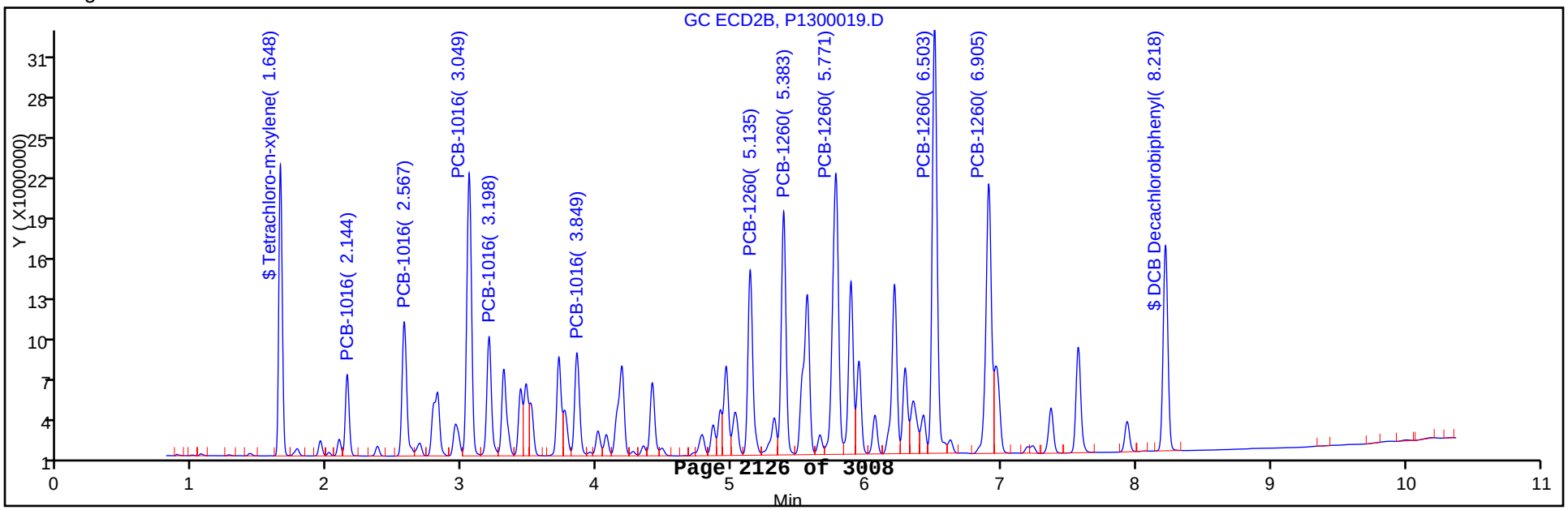
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D

Injection Date:	27-Nov-2012 06:05:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



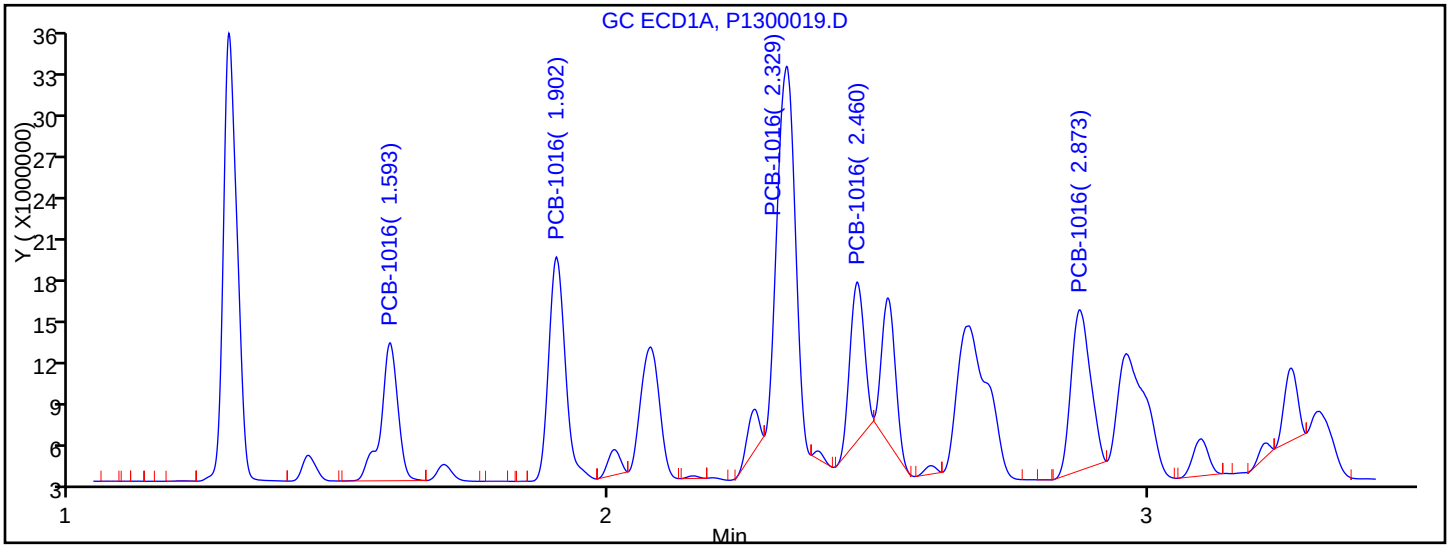
Report Date: 27-Nov-2012 09:54:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D

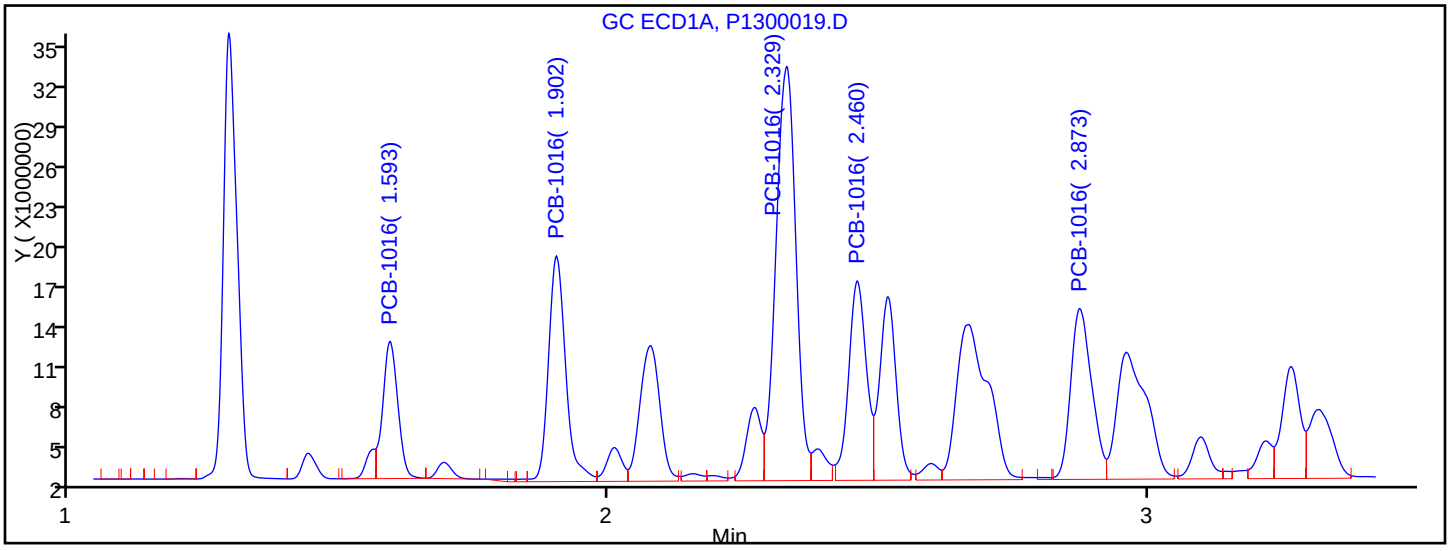
Injection Date:	27-Nov-2012 06:05:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.593	Response = 22072102	M
RT = 1.902	Response = 34743119	M
RT = 2.329	Response = 64171770	M
RT = 2.460	Response = 21454211	M
RT = 2.873	Response = 29299150	M



Manual Integration Results

RT = 1.593	Response = 19385129	M
RT = 1.902	Response = 36768966	M
RT = 2.329	Response = 78260471	M
RT = 2.460	Response = 33315551	M
RT = 2.873	Response = 34069268	M

Reviewer: hassl, 27-Nov-2012 09:44:24

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

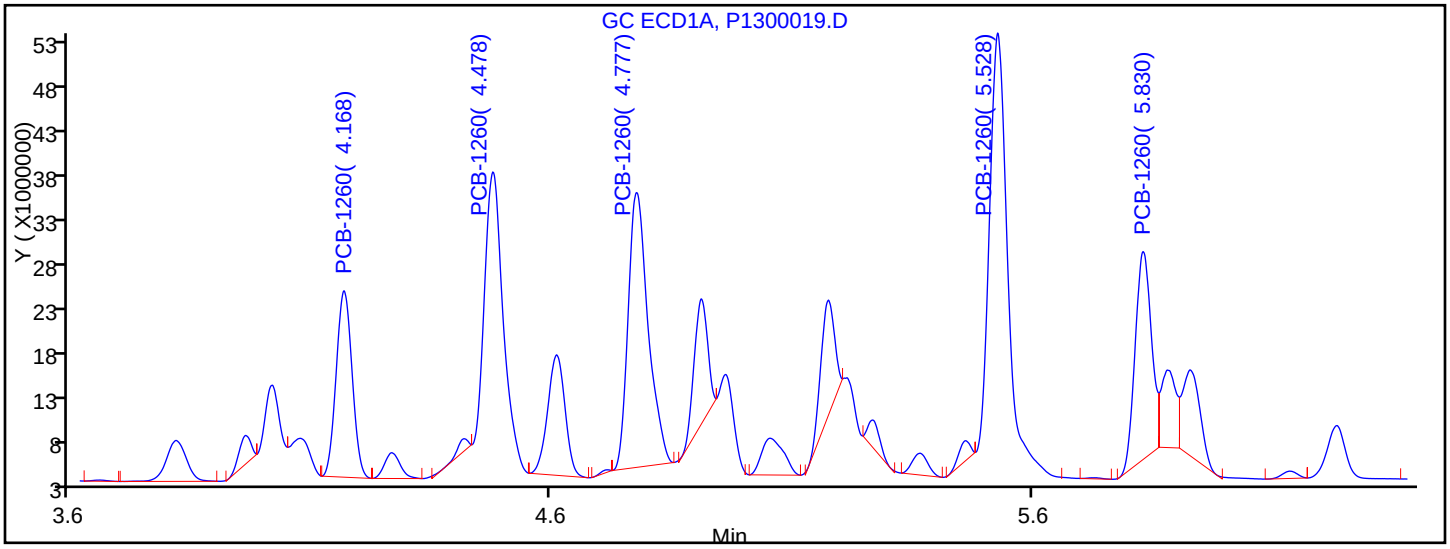
Report Date: 27-Nov-2012 09:54:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D

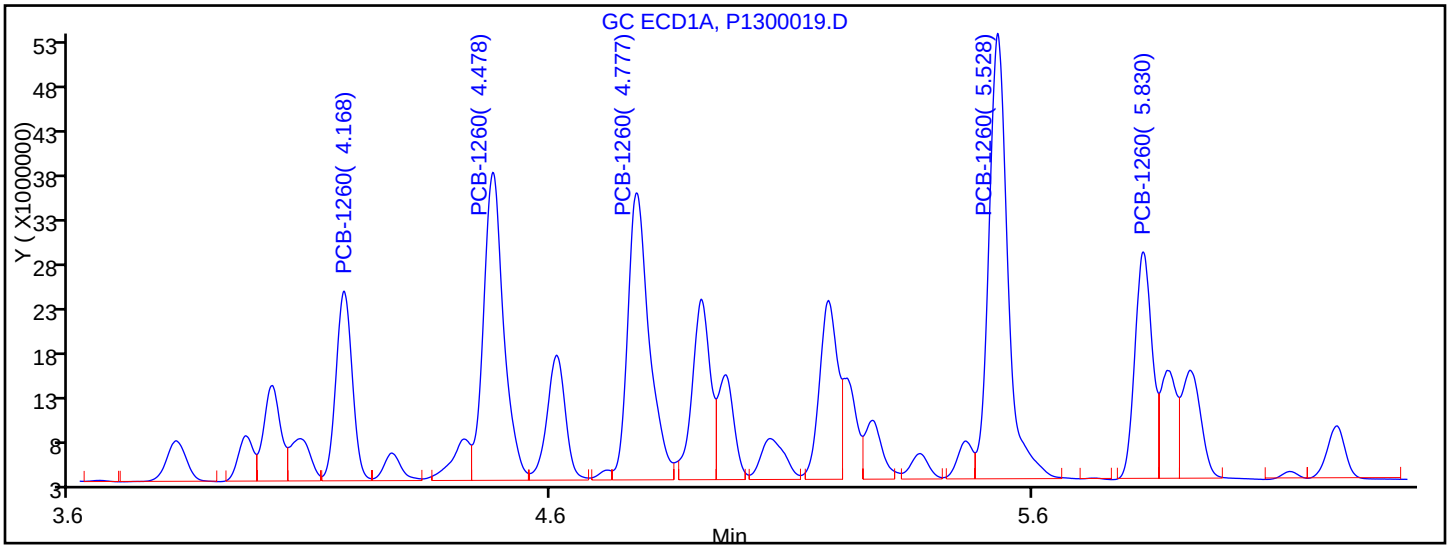
Injection Date:	27-Nov-2012 06:05:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

10 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 4.168	Response = 48588136	M
RT = 4.478	Response = 85001233	M
RT = 4.777	Response = 90087724	M
RT = 5.528	Response = 123025615	M
RT = 5.830	Response = 55695071	M



Manual Integration Results

RT = 4.168	Response = 50807899	M
RT = 4.478	Response = 101886670	M
RT = 4.777	Response = 101427275	M
RT = 5.528	Response = 138843295	M
RT = 5.830	Response = 64380287	M

Reviewer: hassl, 27-Nov-2012 09:44:24

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/19 Calibration Date: 11/27/2012 06:05

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300019.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	23823180		0.530	0.500	6.0	20.0
PCB-1016 Peak 2	Ave	46910344	48212860		0.514	0.500	2.8	20.0
PCB-1016 Peak 3	Ave	90857261	102230458		0.563	0.500	12.5	20.0
PCB-1016 Peak 4	Ave	38716589	42435356		0.548	0.500	9.6	20.0
PCB-1016 Peak 5	Ave	36067525	38670442		0.536	0.500	7.2	20.0
PCB-1260 Peak 1	Ave	66648717	69810530		0.524	0.500	4.7	20.0
PCB-1260 Peak 2	Lin1		87591878		0.580	0.500	16.1	20.0
PCB-1260 Peak 3	Ave	116834929	127641698		0.546	0.500	9.2	20.0
PCB-1260 Peak 4	Ave	142290611	161019776		0.566	0.500	13.2	20.0
PCB-1260 Peak 5	Ave	104134113	115284674		0.554	0.500	10.7	20.0
Tetrachloro-m-xylene	Ave	1437051097	1531373040		0.0266	0.0250	6.6	20.0
DCB Decachlorobiphenyl	Ave	1346914135	1479739000		0.0275	0.0250	9.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/19 Calibration Date: 11/27/2012 06:05

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300019.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.09	2.19
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.85	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.38	5.33	5.43
PCB-1260 Peak 3	5.77	5.72	5.82
PCB-1260 Peak 4	6.50	6.45	6.55
PCB-1260 Peak 5	6.91	6.86	6.96
Tetrachloro-m-xylene	1.65	1.60	1.70
DCB Decachlorobiphenyl	8.22	8.17	8.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 27-Nov-2012 06:05:53 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015278-019
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 1/cm ALS Bottle#: 19
Lims Batch ID: 66323 Lims Sample ID: 19
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl Date: 27-Nov-2012 09:44:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.293	1.293	0.000	57619851	0.0252			
2	2	1.648	1.648	0.000	38284326	0.0266			
						RPD = 5.40			
6 PCB-1016									M
1	100	1.593	1.593	0.000	19385129	0.4768		100.0	M
1	2	1.902	1.902	0.000	36768966	0.5116	149.3- 199.3	189.7	M
1	3	2.329	2.329	0.000	78260471	0.5042	350.2- 400.2	403.7	M
1	4	2.460	2.460	0.000	33315551	0.5167	130.7- 180.7	171.9	M
1	5	2.873	2.873	0.000	34069268	0.5021	137.9- 187.9	175.7	M
			Average of Peak Amounts =			0.5023			
2	6	2.144	2.144	0.000	11911590	0.5300		100.0	
2	7	2.567	2.567	0.000	24106430	0.5139	176.5- 236.5	202.4	
2	8	3.049	3.049	0.000	51115229	0.5626	362.5- 422.5	429.1	
2	9	3.198	3.198	0.000	21217678	0.5480	137.9- 197.9	178.1	
2	10	3.849	3.849	0.000	19335221	0.5361	118.8- 178.8	162.3	
			Average of Peak Amounts =			0.5381			
						RPD = 6.89			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	4.168	4.168	0.000	50807899	0.5013		100.0	M
1	2	4.478	4.478	0.000	101886670	0.5078	175.1- 225.1	200.5	M
1	3	4.777	4.777	0.000	101427275	0.5070	173.2- 223.2	199.6	M
1	4	5.528	5.528	0.000	138843295	0.5108	244.1- 294.1	273.3	M
1	5	5.830	5.830	0.000	64380287	0.4985	101.5- 151.5	126.7	M
			Average of Peak Amounts =			0.5051			
2	6	5.135	5.135	0.000	34905265	0.5237		100.0	
2	7	5.383	5.383	0.000	43795939	0.5803	86.6- 146.6	125.5	
2	8	5.771	5.771	0.000	63820849	0.5462	142.9- 202.9	182.8	
2	9	6.503	6.503	0.000	80509888	0.5658	179.5- 239.5	230.7	
2	10	6.905	6.905	0.000	57642337	0.5535	121.8- 181.8	165.1	
			Average of Peak Amounts =			0.5539			
						RPD = 9.22			
$ 12 DCB Decachlorobiphenyl									
1	100	7.065	7.065	0.000	58717212	0.0252			
2	2	8.218	8.218	0.000	36993475	0.0275			
						RPD = 8.80			

QC Flag Legend

Review Flags
M - Manually Integrated

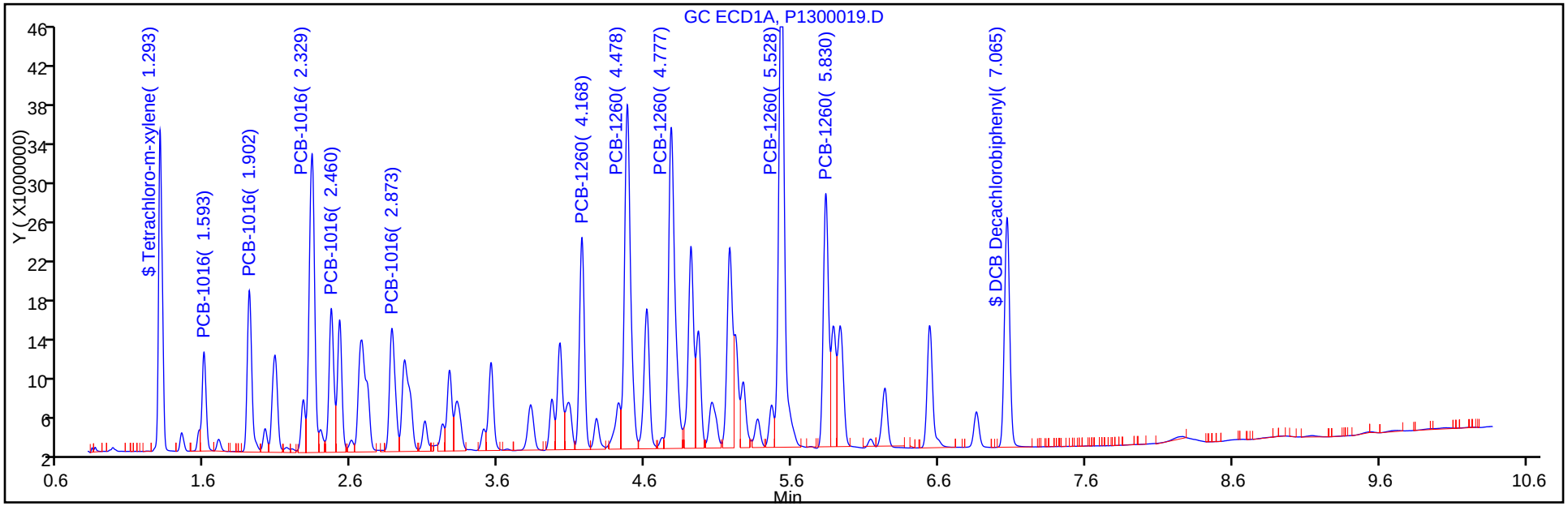
Report Date: 27-Nov-2012 09:54:28 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

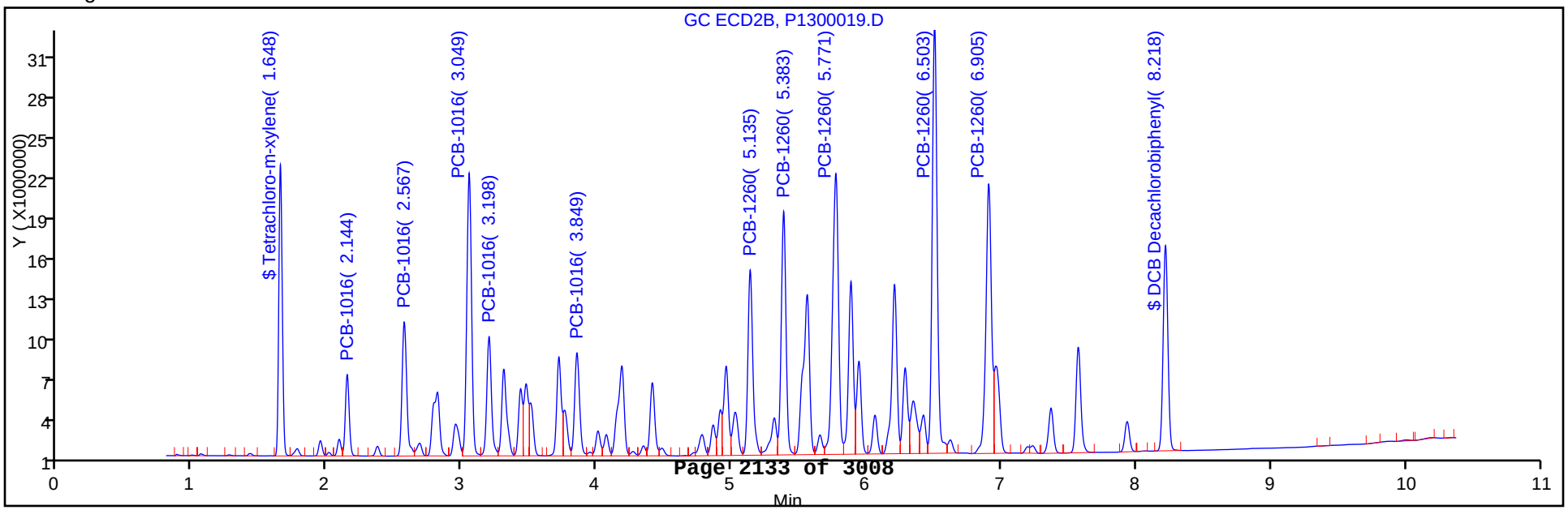
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300019.D

Injection Date:	27-Nov-2012 06:05:53	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	19
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/30 Calibration Date: 11/27/2012 08:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300030.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	40655544	41028572		0.505	0.500	0.9	20.0
PCB-1016 Peak 2	Ave	71876982	71152546		0.495	0.500	-1.0	20.0
PCB-1016 Peak 3	Ave	155218061	156759202		0.505	0.500	1.0	20.0
PCB-1016 Peak 4	Ave	64472512	65263000		0.506	0.500	1.2	20.0
PCB-1016 Peak 5	Ave	67849134	66088696		0.487	0.500	-2.6	20.0
PCB-1260 Peak 1	Ave	101355640	98259700		0.485	0.500	-3.1	20.0
PCB-1260 Peak 2	Ave	200632590	200287174		0.499	0.500	-0.2	20.0
PCB-1260 Peak 3	Ave	200043209	199577944		0.499	0.500	-0.2	20.0
PCB-1260 Peak 4	Ave	271809958	278118998		0.512	0.500	2.3	20.0
PCB-1260 Peak 5	Ave	129152153	129731252		0.502	0.500	0.4	20.0
Tetrachloro-m-xylene	Ave	2282867563	2348172680		0.0257	0.0250	2.9	20.0
DCB Decachlorobiphenyl	Ave	2334659370	2403909200		0.0257	0.0250	3.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/30 Calibration Date: 11/27/2012 08:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300030.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.59	1.54	1.64
PCB-1016 Peak 2	1.90	1.85	1.95
PCB-1016 Peak 3	2.33	2.28	2.38
PCB-1016 Peak 4	2.46	2.41	2.51
PCB-1016 Peak 5	2.88	2.83	2.93
PCB-1260 Peak 1	4.17	4.12	4.22
PCB-1260 Peak 2	4.48	4.43	4.53
PCB-1260 Peak 3	4.78	4.73	4.83
PCB-1260 Peak 4	5.53	5.48	5.58
PCB-1260 Peak 5	5.83	5.78	5.88
Tetrachloro-m-xylene	1.29	1.24	1.34
DCB Decachlorobiphenyl	7.07	7.02	7.12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300030.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 27-Nov-2012 08:49:54 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015278-030
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 1/cm ALS Bottle#: 30
Lims Batch ID: 66323 Lims Sample ID: 30
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 09:54:40 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl Date: 27-Nov-2012 09:53:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.294	0.000	58704317	0.0257			
2	2	1.648	1.648	0.000	38461370	0.0268			
						RPD = 4.00			
6 PCB-1016									M
1	100	1.593	1.593	0.000	20514286	0.5046		100.0	M
1	2	1.903	1.903	0.000	35576273	0.4950	149.3- 199.3	173.4	
1	3	2.329	2.329	0.000	78379601	0.5050	350.2- 400.2	382.1	
1	4	2.461	2.461	0.000	32631500	0.5061	130.7- 180.7	159.1	
1	5	2.876	2.876	0.000	33044348	0.4870	137.9- 187.9	161.1	
			Average of Peak Amounts =			0.4995			
2	6	2.144	2.144	0.000	12040913	0.5358		100.0	
2	7	2.568	2.568	0.000	24225247	0.5164	176.5- 236.5	201.2	
2	8	3.050	3.050	0.000	50009716	0.5504	362.5- 422.5	415.3	
2	9	3.199	3.199	0.000	20103994	0.5193	137.9- 197.9	167.0	
2	10	3.850	3.850	0.000	19437240	0.5389	118.8- 178.8	161.4	
			Average of Peak Amounts =			0.5322			
						RPD = 6.32			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.170	4.170	0.000	49129850	0.4847		100.0	
1	2	4.479	4.479	0.000	100143587	0.4991	175.1- 225.1	203.8	
1	3	4.778	4.778	0.000	99788972	0.4988	173.2- 223.2	203.1	
1	4	5.529	5.529	0.000	139059499	0.5116	244.1- 294.1	283.0	
1	5	5.832	5.832	0.000	64865626	0.5022	101.5- 151.5	132.0	
			Average of Peak Amounts =			0.4993			
2	6	5.136	5.136	0.000	35200789	0.5282		100.0	
2	7	5.384	5.384	0.000	43720582	0.5793	86.6- 146.6	124.2	
2	8	5.771	5.771	0.000	64665536	0.5535	142.9- 202.9	183.7	
2	9	6.505	6.505	0.000	82166254	0.5775	179.5- 239.5	233.4	
2	10	6.907	6.907	0.000	58619358	0.5629	121.8- 181.8	166.5	
			Average of Peak Amounts =			0.5603			
						RPD = 11.50			
$ 12 DCB Decachlorobiphenyl									
1	100	7.067	7.067	0.000	60097730	0.0257			
2	2	8.219	8.219	0.000	37731781	0.0280			
						RPD = 8.45			

QC Flag Legend

Review Flags
M - Manually Integrated

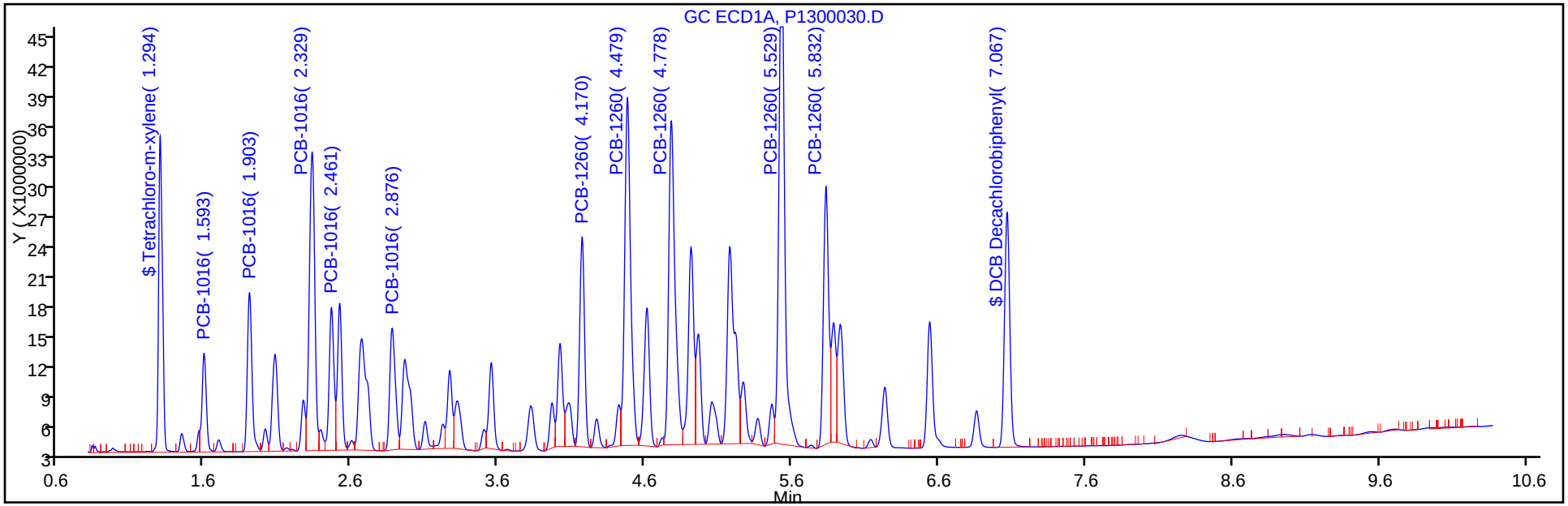
Report Date: 27-Nov-2012 09:54:40 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

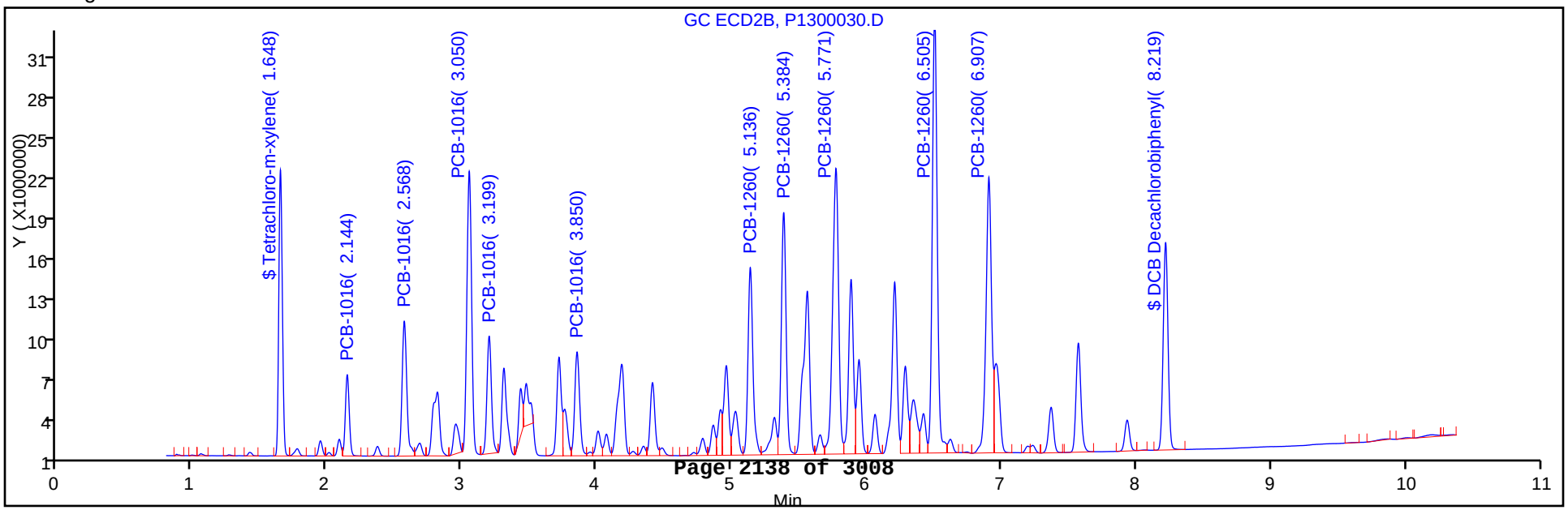
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300030.D

Injection Date:	27-Nov-2012 08:49:54	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



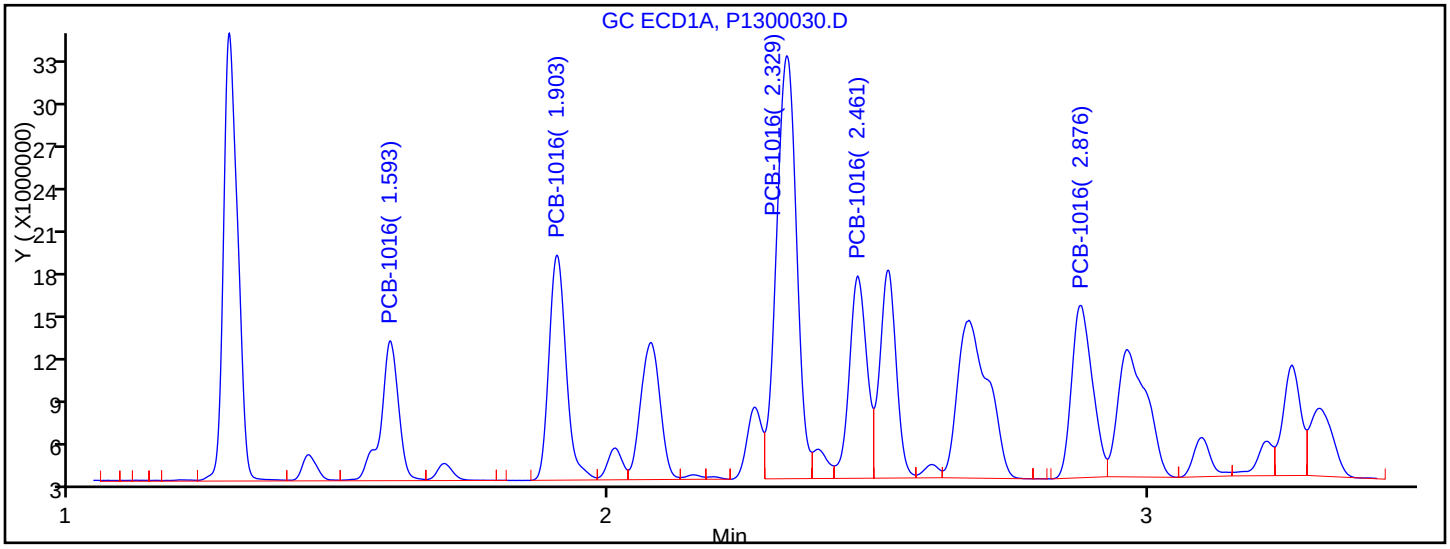
Report Date: 27-Nov-2012 09:54:41 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300030.D

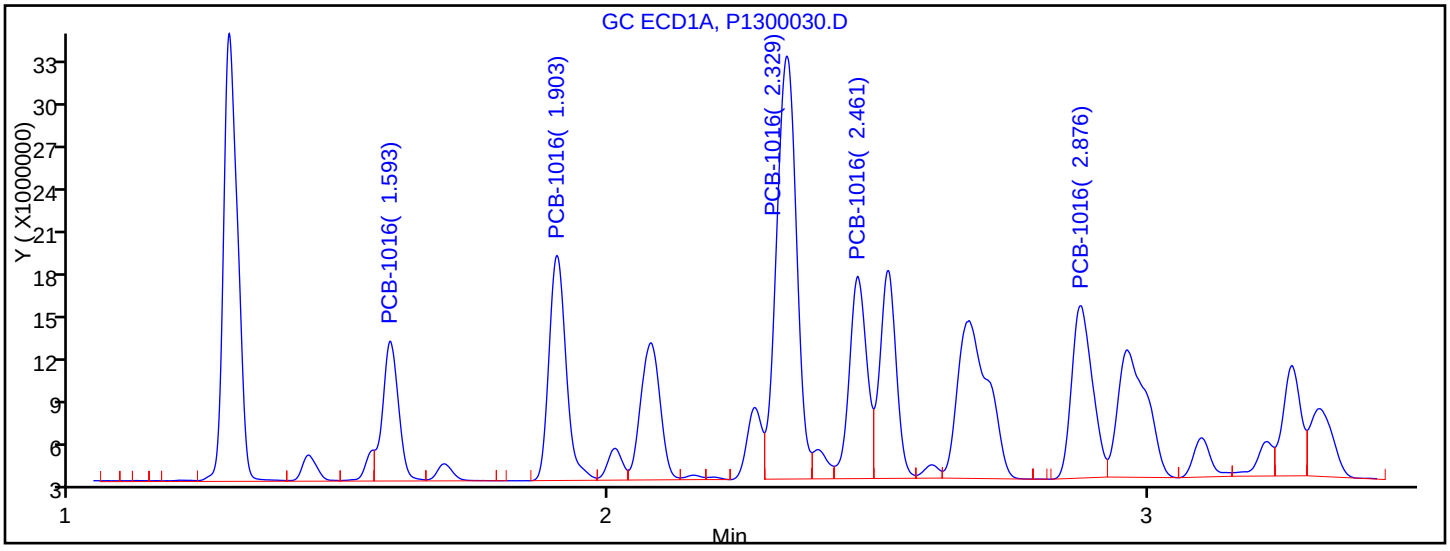
Injection Date:	27-Nov-2012 08:49:54	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.593	Response = 22990688	M
RT = 1.903	Response = 35576273	
RT = 2.329	Response = 78379601	
RT = 2.461	Response = 32631500	
RT = 2.876	Response = 33044348	



Manual Integration Results

RT = 1.593	Response = 20514286	M
RT = 1.903	Response = 35576273	
RT = 2.329	Response = 78379601	
RT = 2.461	Response = 32631500	
RT = 2.876	Response = 33044348	

Reviewer: hassl, 27-Nov-2012 09:53:48

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/30 Calibration Date: 11/27/2012 08:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300030.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	22473505	24081826		0.536	0.500	7.2	20.0
PCB-1016 Peak 2	Ave	46910344	48450494		0.516	0.500	3.3	20.0
PCB-1016 Peak 3	Ave	90857261	100019432		0.550	0.500	10.1	20.0
PCB-1016 Peak 4	Ave	38716589	40207988		0.519	0.500	3.9	20.0
PCB-1016 Peak 5	Ave	36067525	38874480		0.539	0.500	7.8	20.0
PCB-1260 Peak 1	Ave	66648717	70401578		0.528	0.500	5.6	20.0
PCB-1260 Peak 2	Lin1		87441164		0.579	0.500	15.9	20.0
PCB-1260 Peak 3	Ave	116834929	129331072		0.553	0.500	10.7	20.0
PCB-1260 Peak 4	Ave	142290611	164332508		0.577	0.500	15.5	20.0
PCB-1260 Peak 5	Ave	104134113	117238716		0.563	0.500	12.6	20.0
Tetrachloro-m-xylene	Ave	1437051097	1538454800		0.0268	0.0250	7.1	20.0
DCB Decachlorobiphenyl	Ave	1346914135	1509271240		0.0280	0.0250	12.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 240-66323/30 Calibration Date: 11/27/2012 08:49

Instrument ID: A2HP13 Calib Start Date: 10/21/2012 22:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 10/22/2012 00:05

Lab File ID: P1300030.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.14	2.09	2.19
PCB-1016 Peak 2	2.57	2.52	2.62
PCB-1016 Peak 3	3.05	3.00	3.10
PCB-1016 Peak 4	3.20	3.15	3.25
PCB-1016 Peak 5	3.85	3.80	3.90
PCB-1260 Peak 1	5.14	5.09	5.19
PCB-1260 Peak 2	5.38	5.33	5.43
PCB-1260 Peak 3	5.77	5.72	5.82
PCB-1260 Peak 4	6.51	6.46	6.56
PCB-1260 Peak 5	6.91	6.86	6.96
Tetrachloro-m-xylene	1.65	1.60	1.70
DCB Decachlorobiphenyl	8.22	8.17	8.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300030.D
Lims ID: CCV AR1660 Client ID:
Inject. Date: 27-Nov-2012 08:49:54 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015278-030
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 1/cm ALS Bottle#: 30
Lims Batch ID: 66323 Lims Sample ID: 30
Sublist: chrom-PCB13*sub10
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 09:54:40 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl Date: 27-Nov-2012 09:53:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.294	0.000	58704317	0.0257			
2	2	1.648	1.648	0.000	38461370	0.0268			
						RPD = 4.00			
6 PCB-1016									M
1	100	1.593	1.593	0.000	20514286	0.5046		100.0	M
1	2	1.903	1.903	0.000	35576273	0.4950	149.3- 199.3	173.4	
1	3	2.329	2.329	0.000	78379601	0.5050	350.2- 400.2	382.1	
1	4	2.461	2.461	0.000	32631500	0.5061	130.7- 180.7	159.1	
1	5	2.876	2.876	0.000	33044348	0.4870	137.9- 187.9	161.1	
			Average of Peak Amounts =			0.4995			
2	6	2.144	2.144	0.000	12040913	0.5358		100.0	
2	7	2.568	2.568	0.000	24225247	0.5164	176.5- 236.5	201.2	
2	8	3.050	3.050	0.000	50009716	0.5504	362.5- 422.5	415.3	
2	9	3.199	3.199	0.000	20103994	0.5193	137.9- 197.9	167.0	
2	10	3.850	3.850	0.000	19437240	0.5389	118.8- 178.8	161.4	
			Average of Peak Amounts =			0.5322			
						RPD = 6.32			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.170	4.170	0.000	49129850	0.4847		100.0	
1	2	4.479	4.479	0.000	100143587	0.4991	175.1- 225.1	203.8	
1	3	4.778	4.778	0.000	99788972	0.4988	173.2- 223.2	203.1	
1	4	5.529	5.529	0.000	139059499	0.5116	244.1- 294.1	283.0	
1	5	5.832	5.832	0.000	64865626	0.5022	101.5- 151.5	132.0	
			Average of Peak Amounts =			0.4993			
2	6	5.136	5.136	0.000	35200789	0.5282		100.0	
2	7	5.384	5.384	0.000	43720582	0.5793	86.6- 146.6	124.2	
2	8	5.771	5.771	0.000	64665536	0.5535	142.9- 202.9	183.7	
2	9	6.505	6.505	0.000	82166254	0.5775	179.5- 239.5	233.4	
2	10	6.907	6.907	0.000	58619358	0.5629	121.8- 181.8	166.5	
			Average of Peak Amounts =			0.5603			
						RPD = 11.50			
$ 12 DCB Decachlorobiphenyl									
1	100	7.067	7.067	0.000	60097730	0.0257			
2	2	8.219	8.219	0.000	37731781	0.0280			
						RPD = 8.45			

QC Flag Legend

Review Flags
M - Manually Integrated

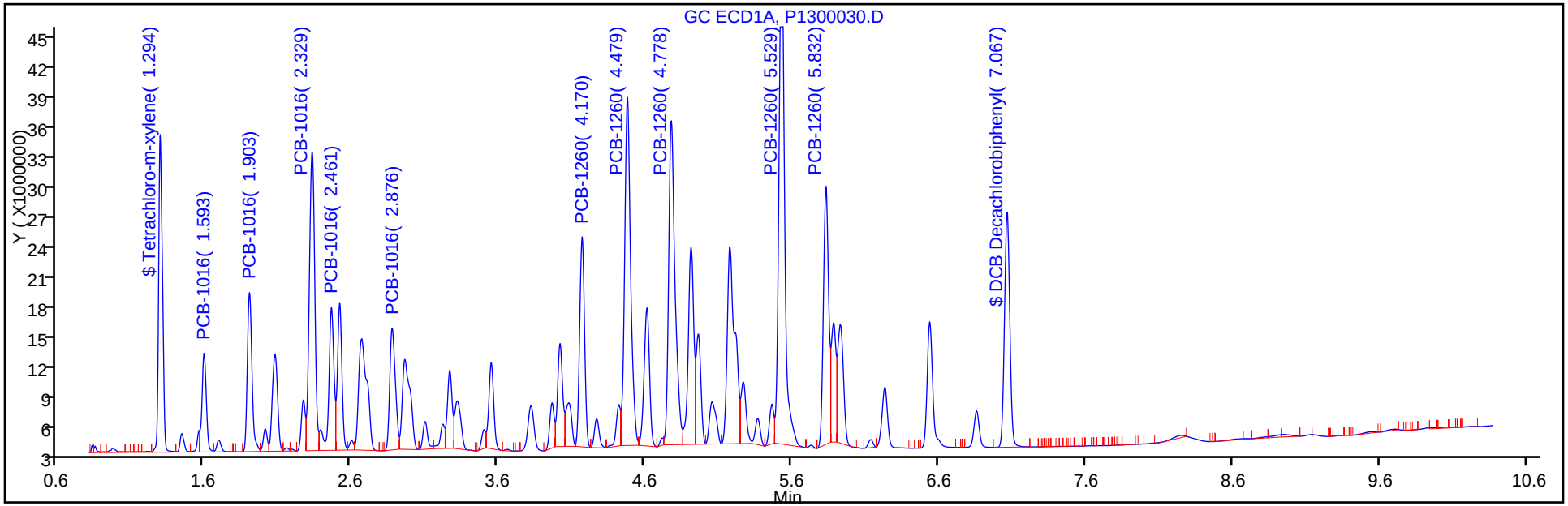
Report Date: 27-Nov-2012 09:54:41 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

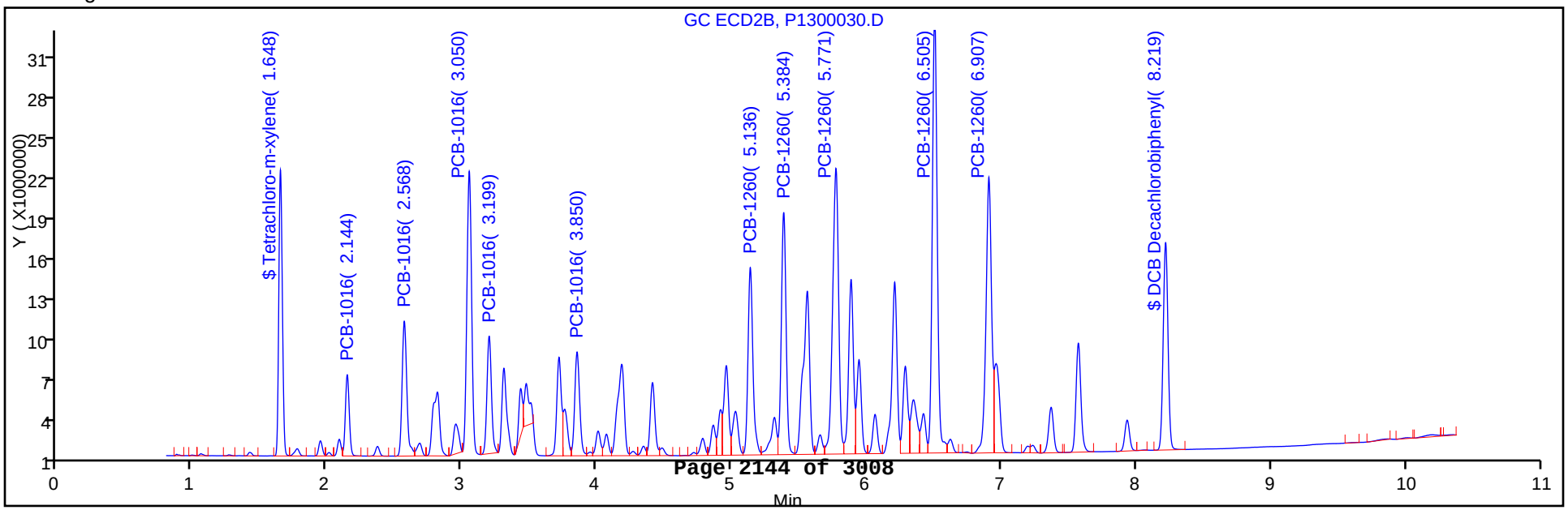
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300030.D

Injection Date:	27-Nov-2012 08:49:54	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	30
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-64779/13-A

Matrix: Water Lab File ID: P1300016.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3520C Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1000(mL) Date Analyzed: 11/18/2012 17:27

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		40-140
2051-24-3	DCB Decachlorobiphenyl	85		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300016.D
Lims ID: MB 240-64779/13-A
Client ID:
Inject. Date: 18-Nov-2012 17:27:47
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015025-016
Misc. Info.:
Operator:
Instrument ID: A2HP13
Injection Vol: 1.0 uL
ALS Bottle#: 16
Lims Batch ID: 65363
Lims Sample ID: 16
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:45
Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl
Date: 19-Nov-2012 11:05:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.298	1.294	0.004	80012439	0.0350			
2	2	1.653	1.650	0.003	52691870	0.0367			
						RPD = 4.51			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
6 PCB-1016									
1	100		1.593						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.871						
2	6		2.146						
2	7		2.569						
2	8		3.052						
2	9		3.199						
2	10		3.852						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									1
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.167						
1	2		4.476						
1	3		4.774						
1	4		5.524						
1	5		5.828						
2	6		5.136						
2	7		5.384						
2	8		5.772						
2	9		6.504						
2	10		6.907						
9 PCB-1262									1
1	100		4.477						
1	2		4.908						
1	3		5.172						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.208						
2	9		6.506						
2	10		6.906						
11 PCB-1268									1
1	100		5.881						
1	2		5.920						
1	3		6.133						
1	4		6.537						
1	5		6.856						
2	6		6.906						
2	7		6.954						
2	8		7.236						
2	9		7.572						
2	10		7.935						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	78996382	0.0338			
2	2	8.218	8.219	-0.001	48312851	0.0359			
						RPD = 5.83			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

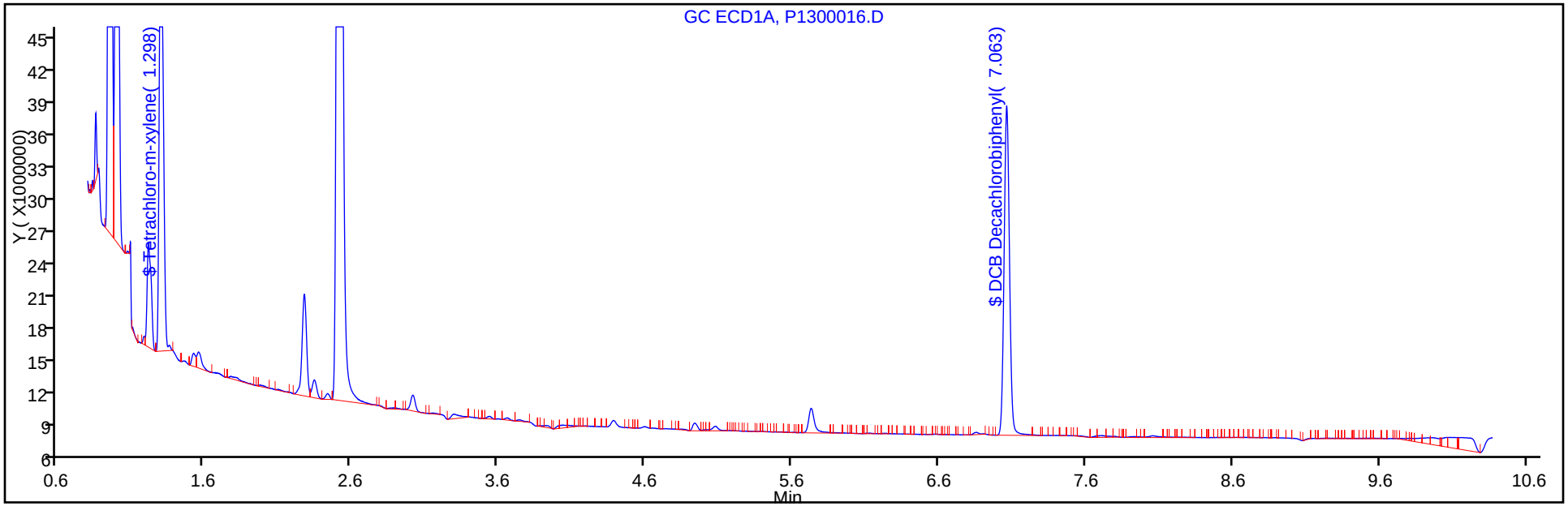
Report Date: 19-Nov-2012 11:08:47 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

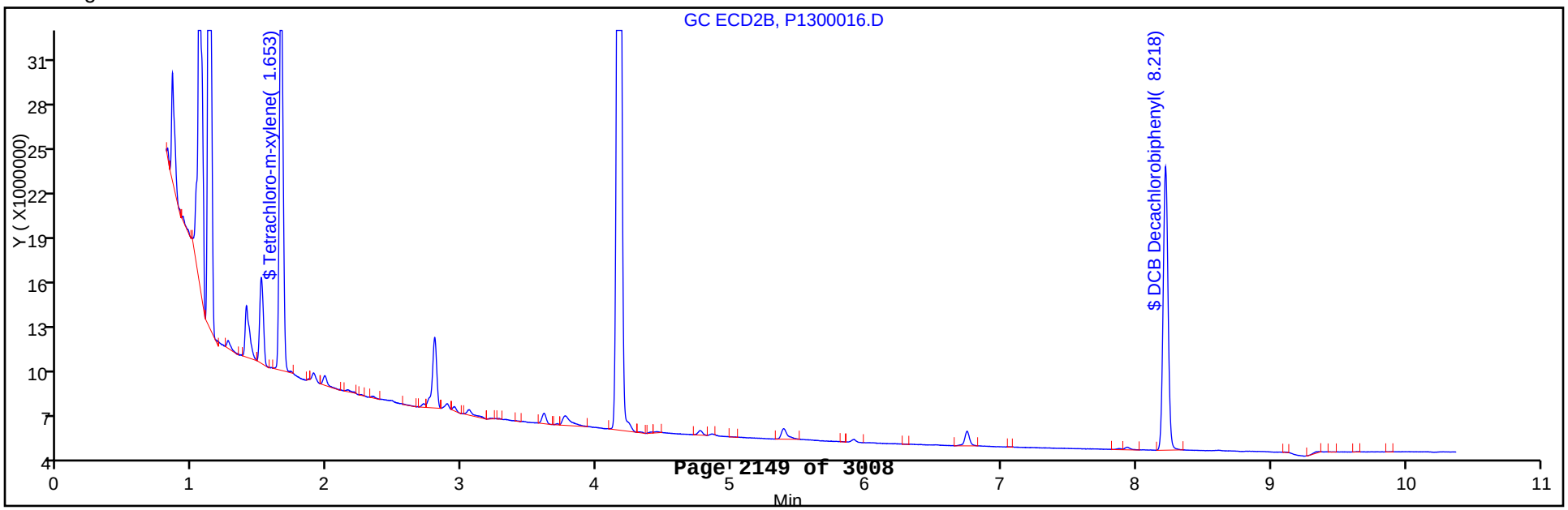
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300016.D

Injection Date:	18-Nov-2012 17:27:47	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-64779/13-A

Matrix: Water | Lab File ID: P1300016.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1000(mL) | Date Analyzed: 11/18/2012 17:27

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.20	U	0.50	0.20	0.13
12674-11-2	Aroclor-1016	0.20	U	0.50	0.20	0.17
11141-16-5	Aroclor-1232	0.20	U	0.50	0.20	0.16
53469-21-9	Aroclor-1242	0.40	U	0.50	0.40	0.22
12672-29-6	Aroclor-1248	0.20	U	0.50	0.20	0.10
11097-69-1	Aroclor-1254	0.20	U	0.50	0.20	0.16
11096-82-5	Aroclor-1260	0.20	U	0.50	0.20	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92		40-140
2051-24-3	DCB Decachlorobiphenyl	90		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300016.D
Lims ID: MB 240-64779/13-A
Client ID:
Inject. Date: 18-Nov-2012 17:27:47
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015025-016
Misc. Info.:
Operator:
Instrument ID: A2HP13
Injection Vol: 1.0 uL
ALS Bottle#: 16
Lims Batch ID: 65363
Lims Sample ID: 16
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:45
Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl
Date: 19-Nov-2012 11:05:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.298	1.294	0.004	80012439	0.0350			
2	2	1.653	1.650	0.003	52691870	0.0367			
						RPD = 4.51			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
6 PCB-1016									
1	100		1.593						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.871						
2	6		2.146						
2	7		2.569						
2	8		3.052						
2	9		3.199						
2	10		3.852						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									1
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									1
1	100		4.167						
1	2		4.476						
1	3		4.774						
1	4		5.524						
1	5		5.828						
2	6		5.136						
2	7		5.384						
2	8		5.772						
2	9		6.504						
2	10		6.907						
9 PCB-1262									1
1	100		4.477						
1	2		4.908						
1	3		5.172						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.208						
2	9		6.506						
2	10		6.906						
11 PCB-1268									1
1	100		5.881						
1	2		5.920						
1	3		6.133						
1	4		6.537						
1	5		6.856						
2	6		6.906						
2	7		6.954						
2	8		7.236						
2	9		7.572						
2	10		7.935						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	78996382	0.0338			
2	2	8.218	8.219	-0.001	48312851	0.0359			
						RPD = 5.83			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

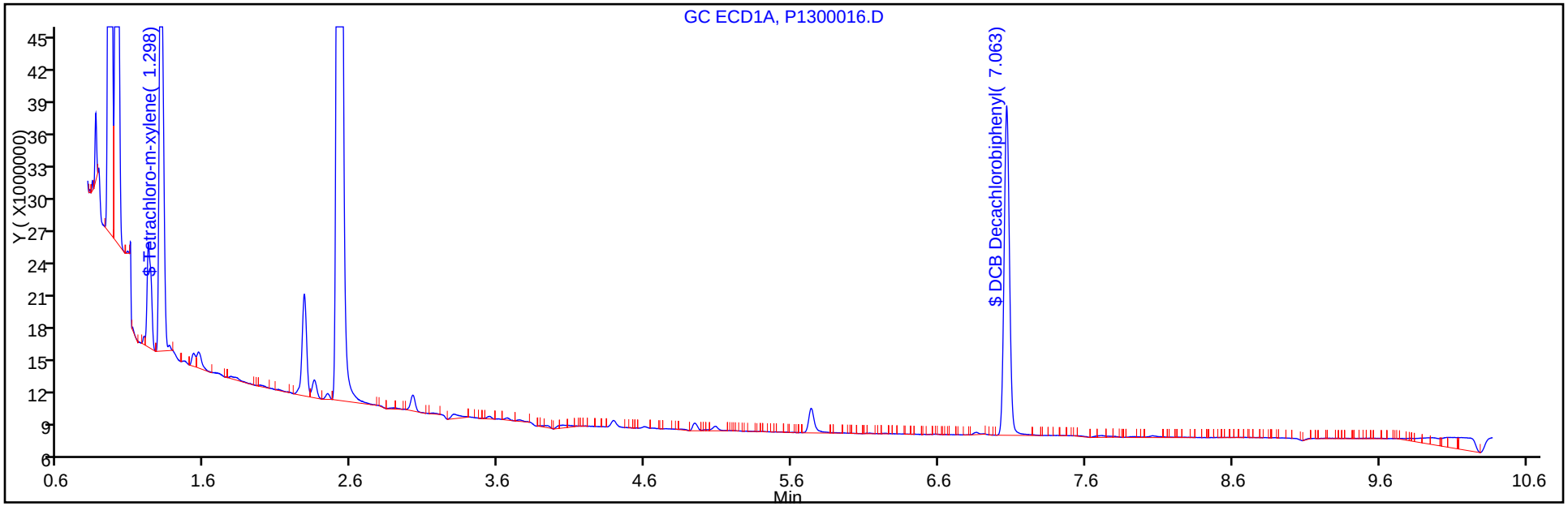
Report Date: 19-Nov-2012 11:08:47 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

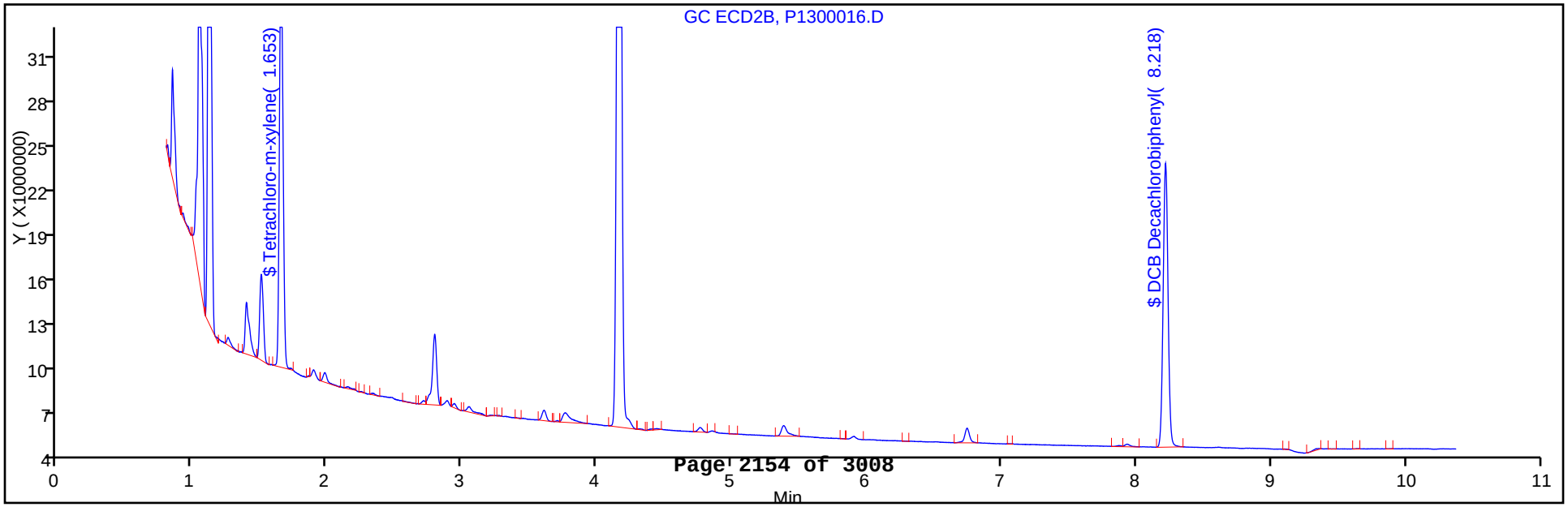
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300016.D

Injection Date:	18-Nov-2012 17:27:47	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-65753/23-A

Matrix: Solid Lab File ID: P1300018.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 30.00(g) Date Analyzed: 11/27/2012 05:50

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	72		40-140
2051-24-3	DCB Decachlorobiphenyl	82		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300018.D		
Lims ID:	MB 240-65753/23-A	Client ID:	
Inject. Date:	27-Nov-2012 05:50:50	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0015278-018		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 1/cm	ALS Bottle#:	18
Lims Batch ID:	66323	Lims Sample ID:	18
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m		
Last Update:	27-Nov-2012 09:54:17	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 27-Nov-2012 09:44:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.292	0.002	33013930	0.0145			
2	2	1.650	1.648	0.002	22601344	0.0157			
						RPD = 8.39			
3 PCB-1221									
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									
1	100		1.553						
1	2		1.900						
1	3		2.327						
1	4		2.460						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		4.167						
1	2		4.474						
1	3		4.774						
1	4		5.526						
1	5		5.828						
2	6		5.136						
2	7		5.382						
2	8		5.771						
2	9		6.503						
2	10		6.906						
9 PCB-1262									1
1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						
11 PCB-1268									
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.065	7.065	0.000	38435703	0.0165			
2	2	8.216	8.217	-0.001	21594409	0.0160			
						RPD = 2.65			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

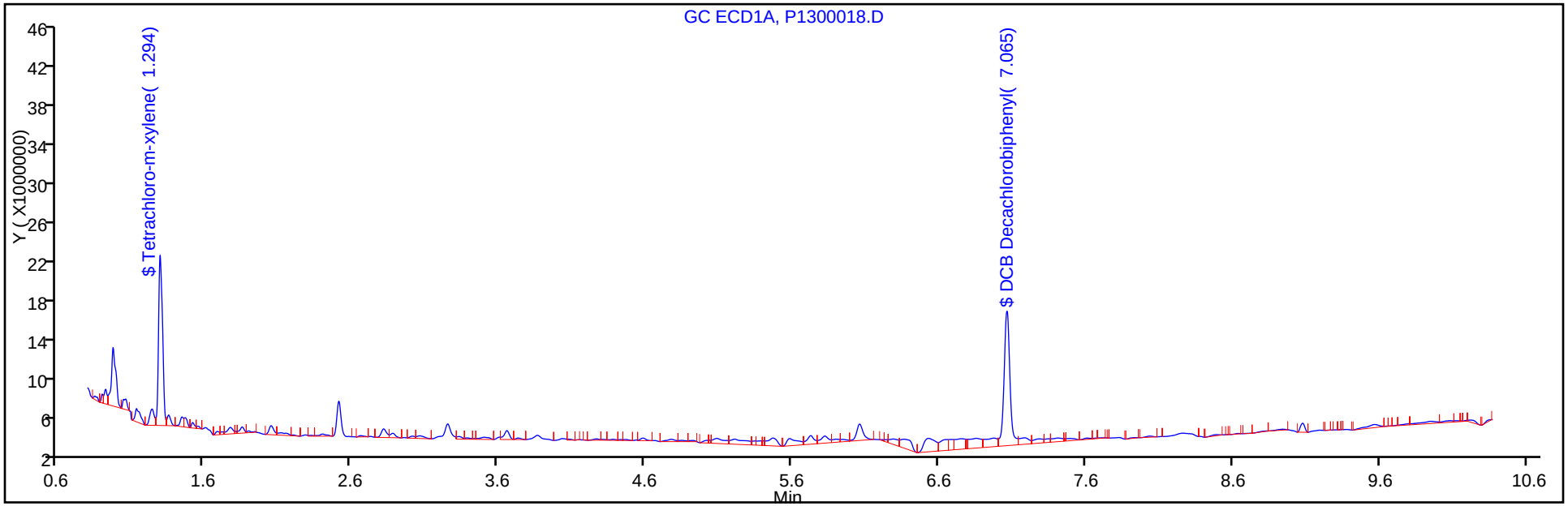
Report Date: 27-Nov-2012 09:54:26 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

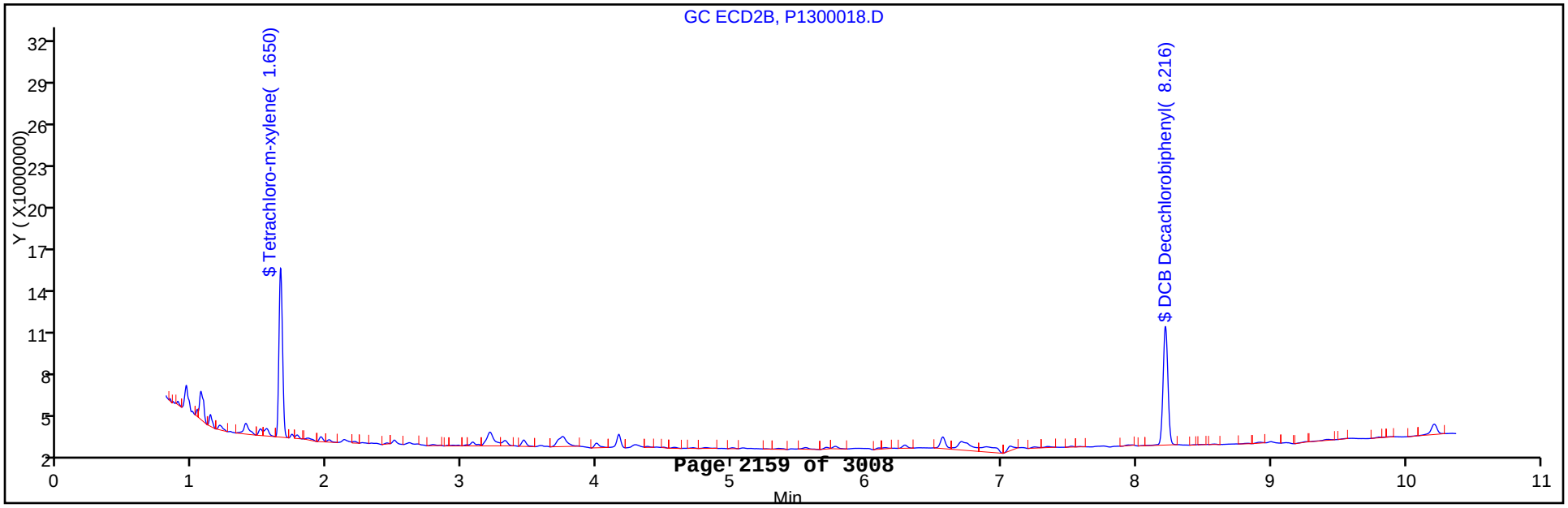
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300018.D

Injection Date:	27-Nov-2012 05:50:50	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-65753/23-A

Matrix: Solid Lab File ID: P1300018.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 30.00(g) Date Analyzed: 11/27/2012 05:50

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	50	25	16
12674-11-2	Aroclor-1016	25	U	65	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	55	25	17
11097-69-1	Aroclor-1254	25	U	55	25	17
11096-82-5	Aroclor-1260	25	U	55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		40-140
2051-24-3	DCB Decachlorobiphenyl	80		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300018.D		
Lims ID:	MB 240-65753/23-A	Client ID:	
Inject. Date:	27-Nov-2012 05:50:50	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	240-0015278-018		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 1/cm	ALS Bottle#:	18
Lims Batch ID:	66323	Lims Sample ID:	18
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m		
Last Update:	27-Nov-2012 09:54:17	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 27-Nov-2012 09:44:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.292	0.002	33013930	0.0145			
2	2	1.650	1.648	0.002	22601344	0.0157			
						RPD = 8.39			
3 PCB-1221									
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									
1	100		1.553						
1	2		1.900						
1	3		2.327						
1	4		2.460						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.197						
2	10		3.850						
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100		4.167						
1	2		4.474						
1	3		4.774						
1	4		5.526						
1	5		5.828						
2	6		5.136						
2	7		5.382						
2	8		5.771						
2	9		6.503						
2	10		6.906						
9 PCB-1262									1
1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						
11 PCB-1268									
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.065	7.065	0.000	38435703	0.0165			
2	2	8.216	8.217	-0.001	21594409	0.0160			
						RPD = 2.65			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

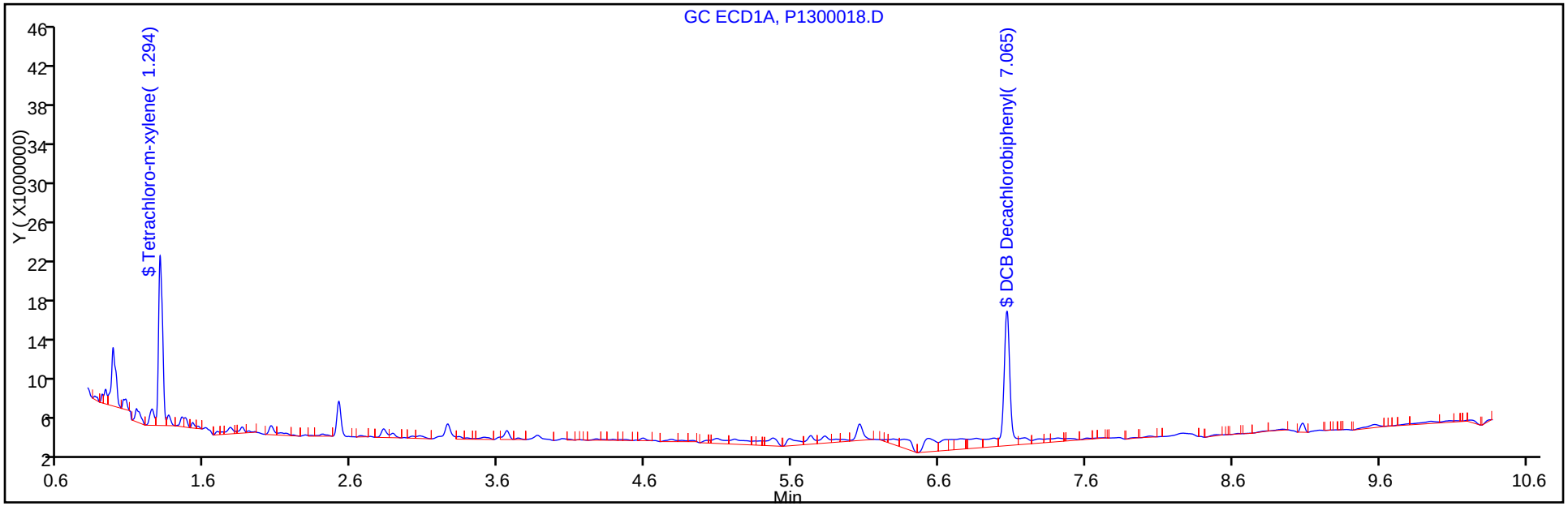
Report Date: 27-Nov-2012 09:54:26 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

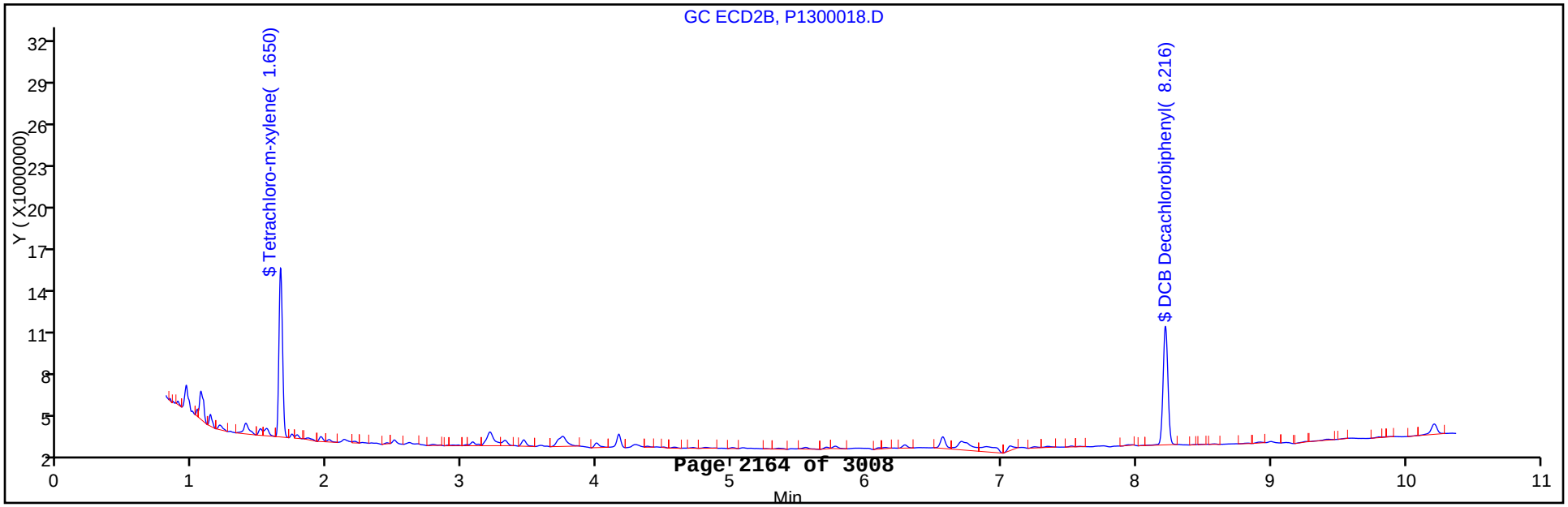
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300018.D

Injection Date:	27-Nov-2012 05:50:50	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	18
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-64779/14-A

Matrix: Water Lab File ID: P1300024.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: 3520C Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1000(mL) Date Analyzed: 11/18/2012 19:27

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		40-140
2051-24-3	DCB Decachlorobiphenyl	85		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300024.D
Lims ID: LCS 240-64779/14-A Client ID:
Inject. Date: 18-Nov-2012 19:27:02 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015025-024
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 24
Lims Batch ID: 65363 Lims Sample ID: 24
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:36 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.297	1.291	0.006	69808821	0.0306			
2	2	1.652	1.647	0.005	51270876	0.0357			
						RPD = 15.39			
6 PCB-1016									
1	100	1.593	1.589	0.004	29204239	0.7183		100.0	
1	2	1.903	1.898	0.005	53180644	0.7399	149.3- 199.3	182.1	
1	3	2.330	2.325	0.005	134468459	0.8663	350.2- 400.2	460.4	
1	4	2.461	2.457	0.004	44713494	0.6935	130.7- 180.7	153.1	
1	5	2.873	2.870	0.003	51696256	0.7619	137.9- 187.9	177.0	
			Average of Peak Amounts =			0.7560			
2	6	2.148	2.143	0.005	19851089	0.8833		100.0	
2	7	2.570	2.568	0.002	39642391	0.8451	176.5- 236.5	199.7	
2	8	3.052	3.050	0.002	89576795	0.9859	362.5- 422.5	451.2	
2	9	3.199	3.197	0.002	33909601	0.8758	137.9- 197.9	170.8	
2	10	3.852	3.850	0.002	28945399	0.8025	118.8- 178.8	145.8	
			Average of Peak Amounts =			0.8785			
						RPD = 14.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.168	4.165	0.003	81228808	0.8014		100.0	
1	2	4.476	4.475	0.001	162709944	0.8110	175.1- 225.1	200.3	
1	3	4.775	4.774	0.001	162110930	0.8104	173.2- 223.2	199.6	
1	4	5.525	5.525	0.000	228073442	0.8391	244.1- 294.1	280.8	
1	5	5.828	5.828	0.000	105985445	0.8206	101.5- 151.5	130.5	
			Average of Peak Amounts =			0.8165			
2	6	5.137	5.136	0.001	58402400	0.8763		100.0	
2	7	5.385	5.384	0.001	71484069	0.9748	86.6- 146.6	122.4	
2	8	5.773	5.771	0.002	107974167	0.9242	142.9- 202.9	184.9	
2	9	6.506	6.504	0.002	139982278	0.9838	179.5- 239.5	239.7	
2	10	6.908	6.907	0.001	98899267	0.9497	121.8- 181.8	169.3	
			Average of Peak Amounts =			0.9417			
						RPD = 14.25			
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	79161725	0.0339			
2	2	8.218	8.219	-0.001	49350539	0.0366			
						RPD = 7.75			

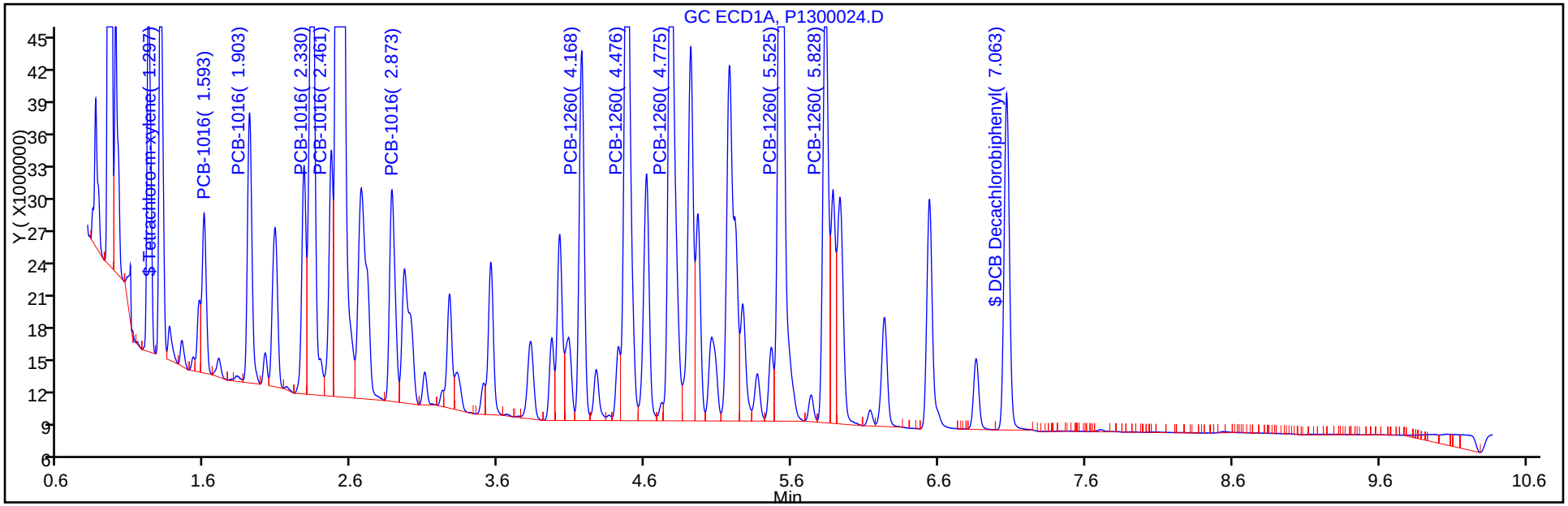
Report Date: 19-Nov-2012 11:08:39 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

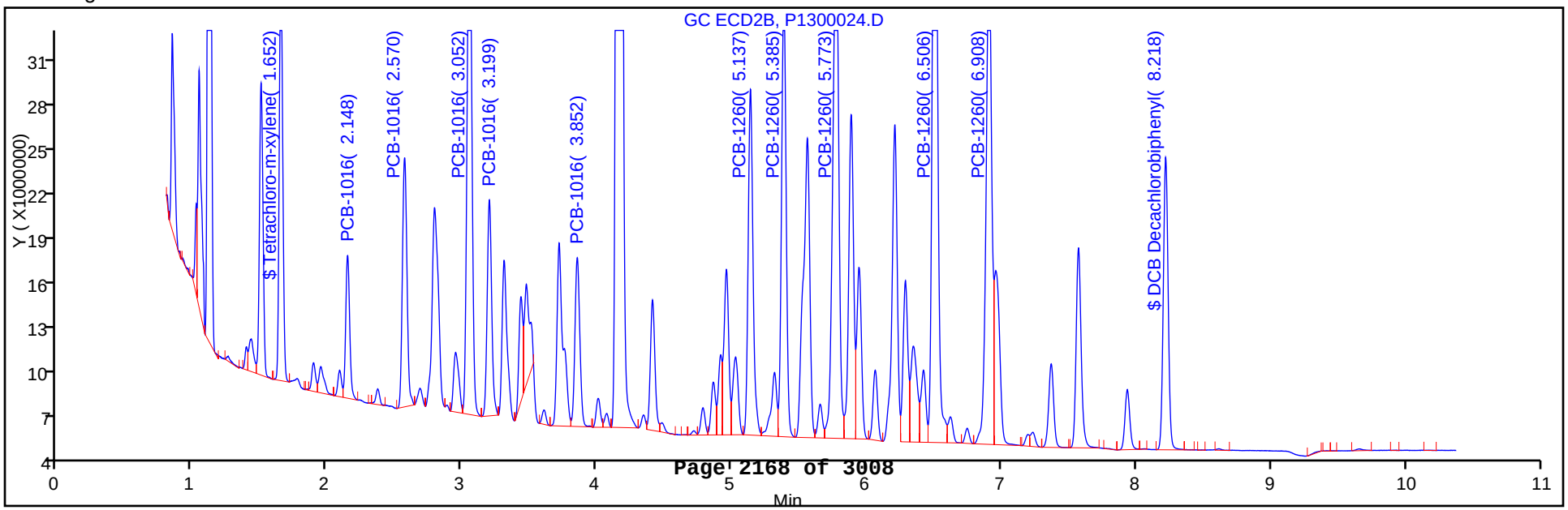
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300024.D

Injection Date:	18-Nov-2012 19:27:02	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-64779/14-A

Matrix: Water | Lab File ID: P1300024.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1000(mL) | Date Analyzed: 11/18/2012 19:27

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	Aroclor-1016	4.39		0.50	0.20	0.17
11096-82-5	Aroclor-1260	4.71		0.50	0.20	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		40-140
2051-24-3	DCB Decachlorobiphenyl	92		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300024.D
Lims ID: LCS 240-64779/14-A Client ID:
Inject. Date: 18-Nov-2012 19:27:02 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015025-024
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 24
Lims Batch ID: 65363 Lims Sample ID: 24
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:36 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.297	1.291	0.006	69808821	0.0306			
2	2	1.652	1.647	0.005	51270876	0.0357			
						RPD = 15.39			
6 PCB-1016									
1	100	1.593	1.589	0.004	29204239	0.7183		100.0	
1	2	1.903	1.898	0.005	53180644	0.7399	149.3- 199.3	182.1	
1	3	2.330	2.325	0.005	134468459	0.8663	350.2- 400.2	460.4	
1	4	2.461	2.457	0.004	44713494	0.6935	130.7- 180.7	153.1	
1	5	2.873	2.870	0.003	51696256	0.7619	137.9- 187.9	177.0	
			Average of Peak Amounts =			0.7560			
2	6	2.148	2.143	0.005	19851089	0.8833		100.0	
2	7	2.570	2.568	0.002	39642391	0.8451	176.5- 236.5	199.7	
2	8	3.052	3.050	0.002	89576795	0.9859	362.5- 422.5	451.2	
2	9	3.199	3.197	0.002	33909601	0.8758	137.9- 197.9	170.8	
2	10	3.852	3.850	0.002	28945399	0.8025	118.8- 178.8	145.8	
			Average of Peak Amounts =			0.8785			
						RPD = 14.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.168	4.165	0.003	81228808	0.8014		100.0	
1	2	4.476	4.475	0.001	162709944	0.8110	175.1- 225.1	200.3	
1	3	4.775	4.774	0.001	162110930	0.8104	173.2- 223.2	199.6	
1	4	5.525	5.525	0.000	228073442	0.8391	244.1- 294.1	280.8	
1	5	5.828	5.828	0.000	105985445	0.8206	101.5- 151.5	130.5	
			Average of Peak Amounts =			0.8165			
2	6	5.137	5.136	0.001	58402400	0.8763		100.0	
2	7	5.385	5.384	0.001	71484069	0.9748	86.6- 146.6	122.4	
2	8	5.773	5.771	0.002	107974167	0.9242	142.9- 202.9	184.9	
2	9	6.506	6.504	0.002	139982278	0.9838	179.5- 239.5	239.7	
2	10	6.908	6.907	0.001	98899267	0.9497	121.8- 181.8	169.3	
			Average of Peak Amounts =			0.9417			
						RPD = 14.25			
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	79161725	0.0339			
2	2	8.218	8.219	-0.001	49350539	0.0366			
						RPD = 7.75			

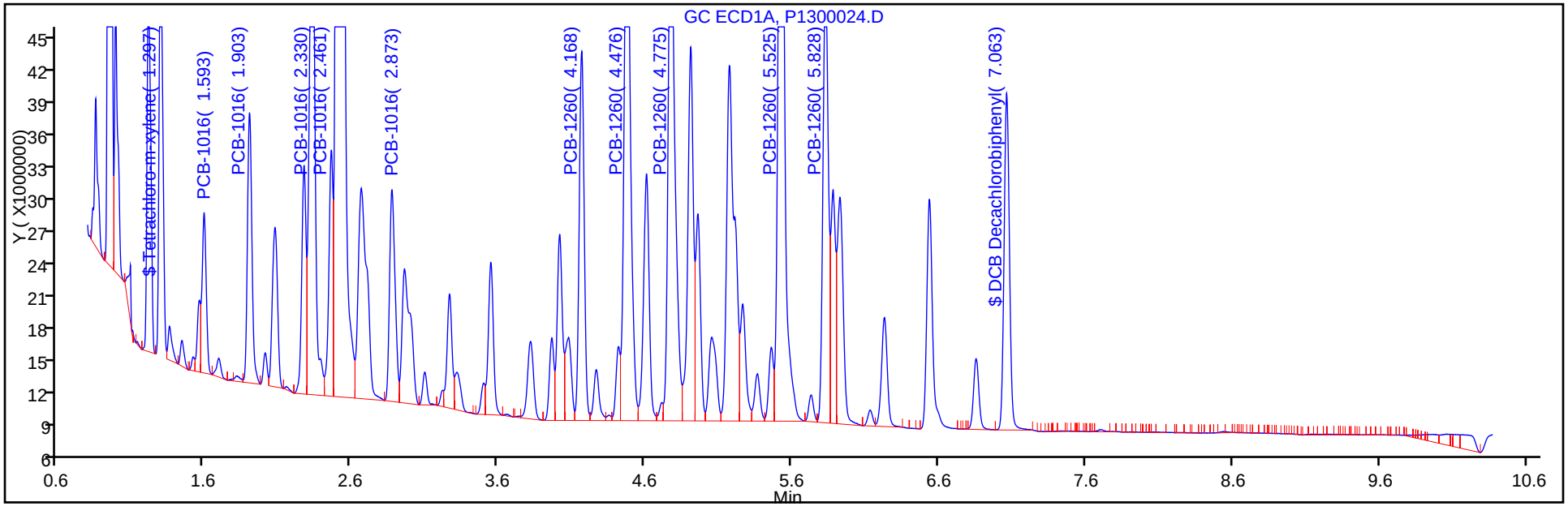
Report Date: 19-Nov-2012 11:08:39 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

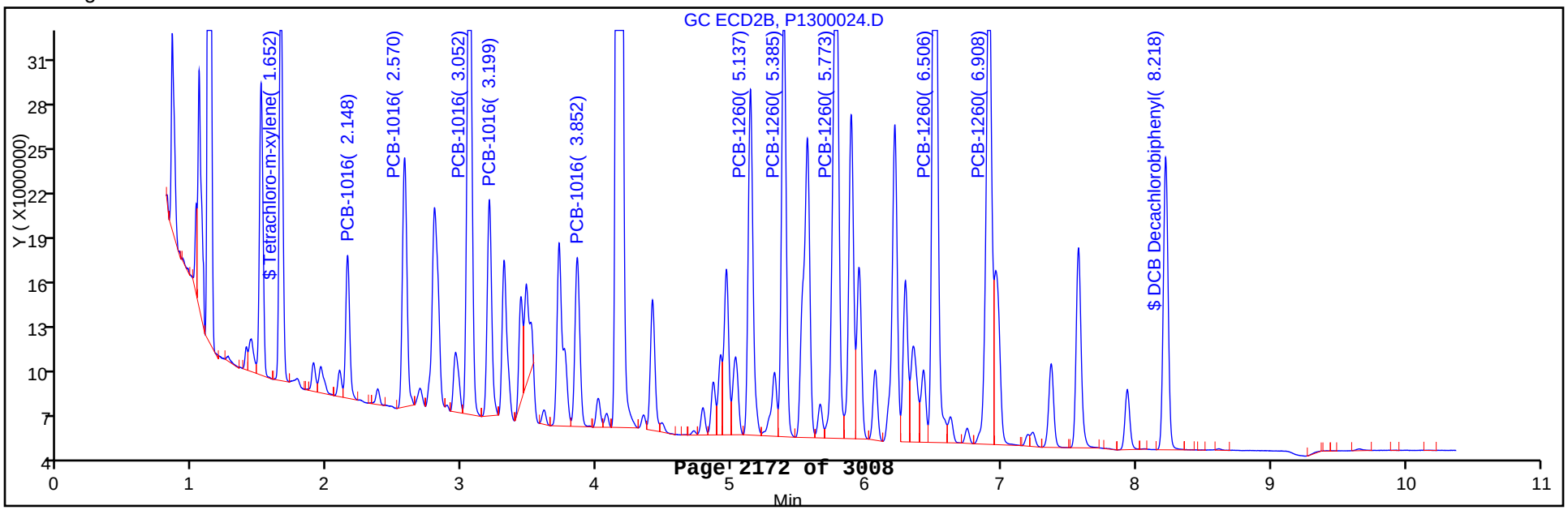
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300024.D

Injection Date:	18-Nov-2012 19:27:02	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	24
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65753/24-A

Matrix: Solid | Lab File ID: P1300029.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 11/20/2012 11:06

Sample wt/vol: 30.00(g) | Date Analyzed: 11/27/2012 08:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(1/cm) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	60		40-140
2051-24-3	DCB Decachlorobiphenyl	84		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300029.D
Lims ID: LCS 240-65753/24-A Client ID:
Inject. Date: 27-Nov-2012 08:35:01 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015278-029
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 1/cm ALS Bottle#: 29
Lims Batch ID: 66323 Lims Sample ID: 29
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 09:54:27 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl Date: 27-Nov-2012 09:40:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.293	1.293	0.000	27522681	0.0121			
2	2	1.649	1.648	0.001	17504629	0.0122			
						RPD = 1.03			
6 PCB-1016									M
1	100	1.593	1.593	0.000	23419104	0.5760		100.0	M
1	2	1.902	1.902	0.000	47710886	0.6638	149.3- 199.3	203.7	
1	3	2.328	2.329	-0.001	109413941	0.7049	350.2- 400.2	467.2	
1	4	2.460	2.460	0.000	45716003	0.7091	130.7- 180.7	195.2	
1	5	2.873	2.873	0.000	47667041	0.7025	137.9- 187.9	203.5	
			Average of Peak Amounts =			0.6713			
2	6	2.146	2.144	0.002	15217238	0.6771		100.0	
2	7	2.570	2.567	0.003	35874531	0.7647	176.5- 236.5	235.7	
2	8	3.051	3.049	0.002	75771373	0.8340	362.5- 422.5	497.9	
2	9	3.198	3.198	0.000	31336812	0.8094	137.9- 197.9	205.9	
2	10	3.851	3.849	0.002	26011730	0.7212	118.8- 178.8	170.9	
			Average of Peak Amounts =			0.7613			
						RPD = 12.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.168	-0.001	74139959	0.7315		100.0	
1	2	4.476	4.478	-0.002	150055205	0.7479	175.1- 225.1	202.4	
1	3	4.776	4.777	-0.001	152746670	0.7636	173.2- 223.2	206.0	
1	4	5.526	5.528	-0.002	212735864	0.7827	244.1- 294.1	286.9	
1	5	5.828	5.830	-0.002	102485490	0.7935	101.5- 151.5	138.2	
			Average of Peak Amounts =			0.7638			
2	6	5.137	5.135	0.002	53523295	0.8031		100.0	
2	7	5.384	5.383	0.001	65181849	0.8850	86.6- 146.6	121.8	
2	8	5.771	5.771	0.000	98930436	0.8468	142.9- 202.9	184.8	
2	9	6.503	6.503	0.000	128014970	0.8997	179.5- 239.5	239.2	
2	10	6.906	6.905	0.001	89628852	0.8607	121.8- 181.8	167.5	
			Average of Peak Amounts =			0.8590			
						RPD = 11.73			
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.065	-0.002	39345781	0.0169			
2	2	8.218	8.218	0.000	22437392	0.0167			
						RPD = 1.16			

QC Flag Legend

Review Flags
M - Manually Integrated

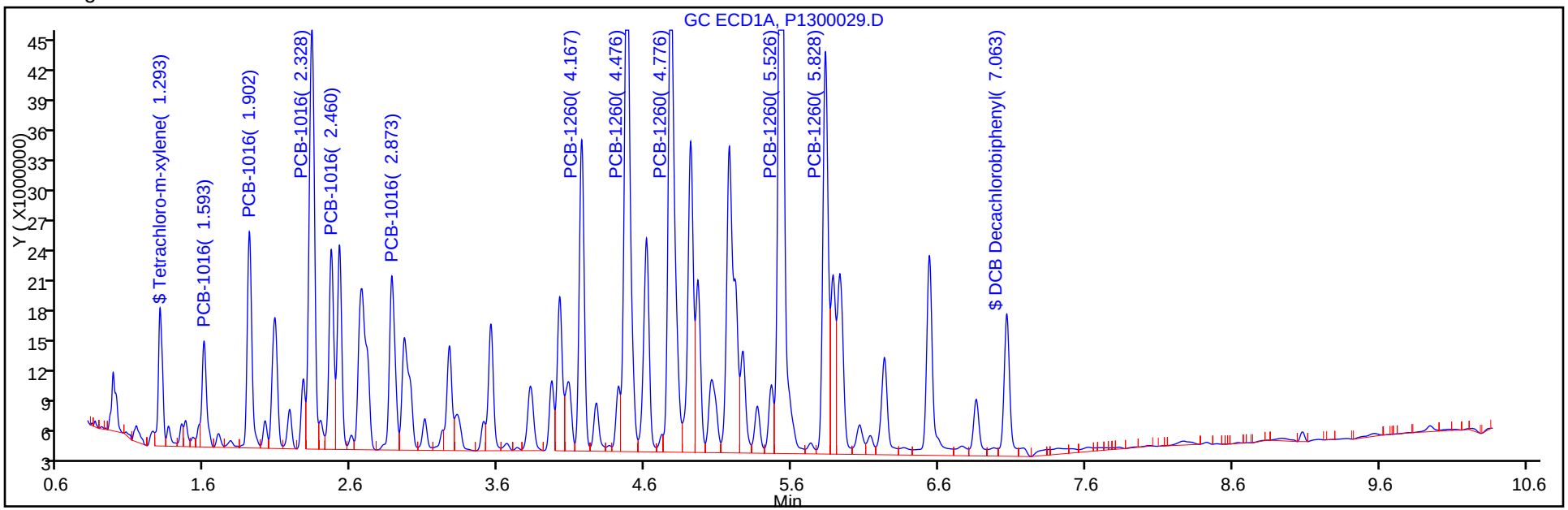
Report Date: 27-Nov-2012 09:54:39 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

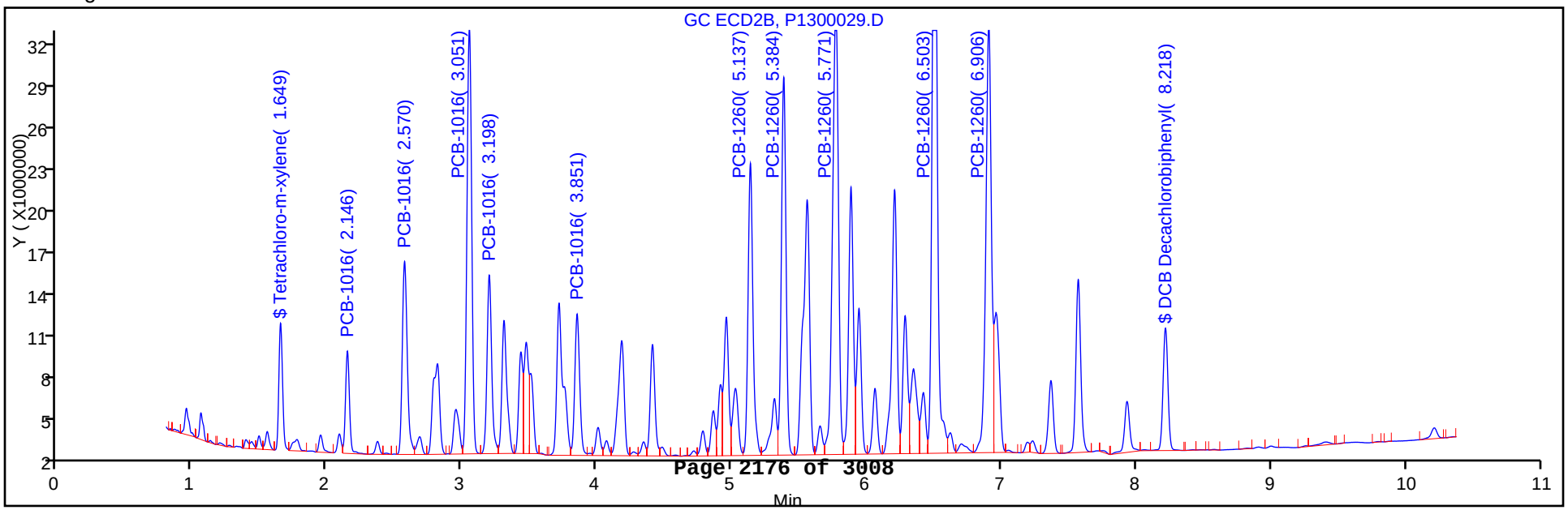
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300029.D

Injection Date:	27-Nov-2012 08:35:01	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



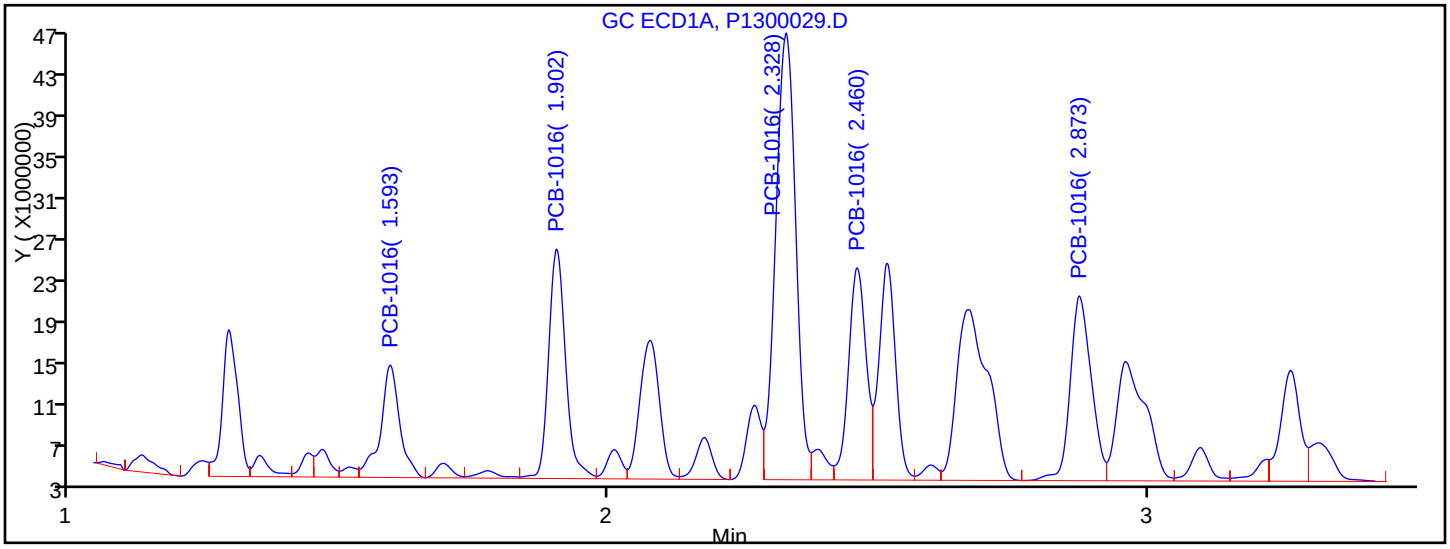
Report Date: 27-Nov-2012 09:54:39 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300029.D

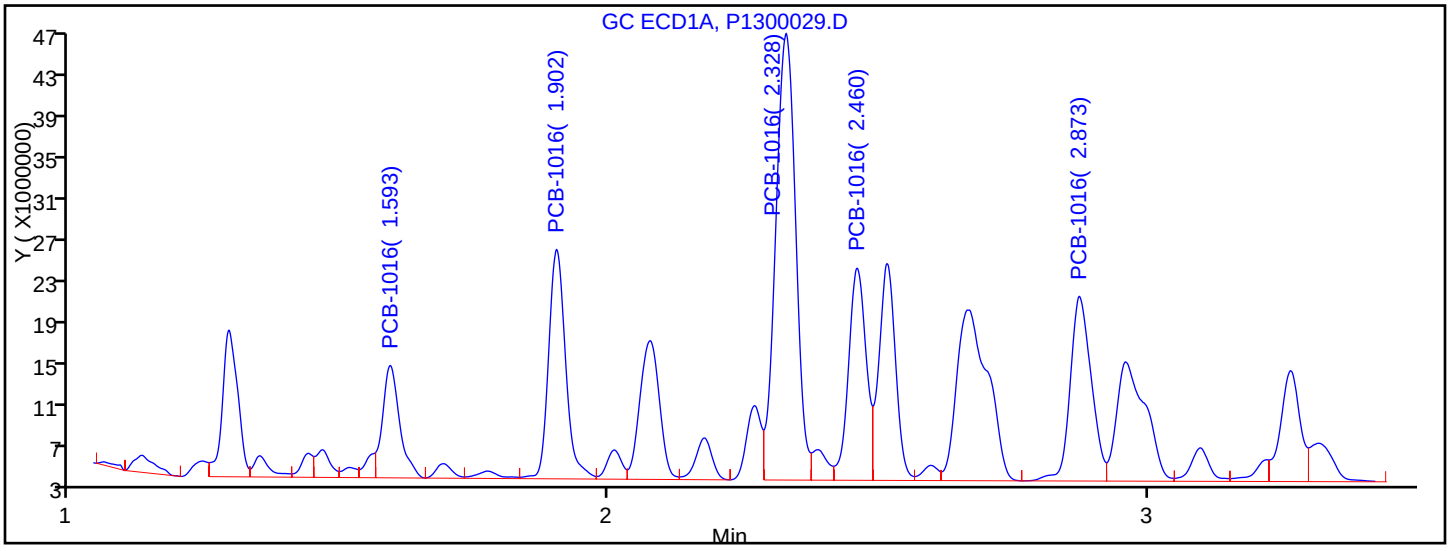
Injection Date:	27-Nov-2012 08:35:01	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.593	Response = 26414344	M
RT = 1.902	Response = 47710886	
RT = 2.328	Response = 109413941	
RT = 2.460	Response = 45716003	
RT = 2.873	Response = 47667041	



Manual Integration Results

RT = 1.593	Response = 23419104	M
RT = 1.902	Response = 47710886	
RT = 2.328	Response = 109413941	
RT = 2.460	Response = 45716003	
RT = 2.873	Response = 47667041	

Reviewer: hassl, 27-Nov-2012 09:40:40

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65753/24-A

Matrix: Solid | Lab File ID: P1300029.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: 3540C | Date Extracted: 11/20/2012 11:06

Sample wt/vol: 30.00(g) | Date Analyzed: 11/27/2012 08:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(1/cm) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	Aroclor-1016	254		65	25	21
11096-82-5	Aroclor-1260	286		55	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	61		40-140
2051-24-3	DCB Decachlorobiphenyl	83		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300029.D
Lims ID: LCS 240-65753/24-A
Client ID:
Inject. Date: 27-Nov-2012 08:35:01
Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015278-029
Misc. Info.:
Operator:
Instrument ID: A2HP13
Injection Vol: 1.0 1/cm
ALS Bottle#: 29
Lims Batch ID: 66323
Lims Sample ID: 29
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 09:54:27
Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl
Date: 27-Nov-2012 09:40:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 2 Tetrachloro-m-xylene									
1	44	1.293	1.293	0.000	27522681	0.0121			
2	2	1.649	1.648	0.001	17504629	0.0122			
						RPD = 1.03			
6 PCB-1016									M
1	100	1.593	1.593	0.000	23419104	0.5760		100.0	M
1	2	1.902	1.902	0.000	47710886	0.6638	149.3- 199.3	203.7	
1	3	2.328	2.329	-0.001	109413941	0.7049	350.2- 400.2	467.2	
1	4	2.460	2.460	0.000	45716003	0.7091	130.7- 180.7	195.2	
1	5	2.873	2.873	0.000	47667041	0.7025	137.9- 187.9	203.5	
			Average of Peak Amounts =			0.6713			
2	6	2.146	2.144	0.002	15217238	0.6771		100.0	
2	7	2.570	2.567	0.003	35874531	0.7647	176.5- 236.5	235.7	
2	8	3.051	3.049	0.002	75771373	0.8340	362.5- 422.5	497.9	
2	9	3.198	3.198	0.000	31336812	0.8094	137.9- 197.9	205.9	
2	10	3.851	3.849	0.002	26011730	0.7212	118.8- 178.8	170.9	
			Average of Peak Amounts =			0.7613			
						RPD = 12.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.168	-0.001	74139959	0.7315		100.0	
1	2	4.476	4.478	-0.002	150055205	0.7479	175.1- 225.1	202.4	
1	3	4.776	4.777	-0.001	152746670	0.7636	173.2- 223.2	206.0	
1	4	5.526	5.528	-0.002	212735864	0.7827	244.1- 294.1	286.9	
1	5	5.828	5.830	-0.002	102485490	0.7935	101.5- 151.5	138.2	
			Average of Peak Amounts =			0.7638			
2	6	5.137	5.135	0.002	53523295	0.8031		100.0	
2	7	5.384	5.383	0.001	65181849	0.8850	86.6- 146.6	121.8	
2	8	5.771	5.771	0.000	98930436	0.8468	142.9- 202.9	184.8	
2	9	6.503	6.503	0.000	128014970	0.8997	179.5- 239.5	239.2	
2	10	6.906	6.905	0.001	89628852	0.8607	121.8- 181.8	167.5	
			Average of Peak Amounts =			0.8590			
						RPD = 11.73			
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.065	-0.002	39345781	0.0169			
2	2	8.218	8.218	0.000	22437392	0.0167			
						RPD = 1.16			

QC Flag Legend

Review Flags
M - Manually Integrated

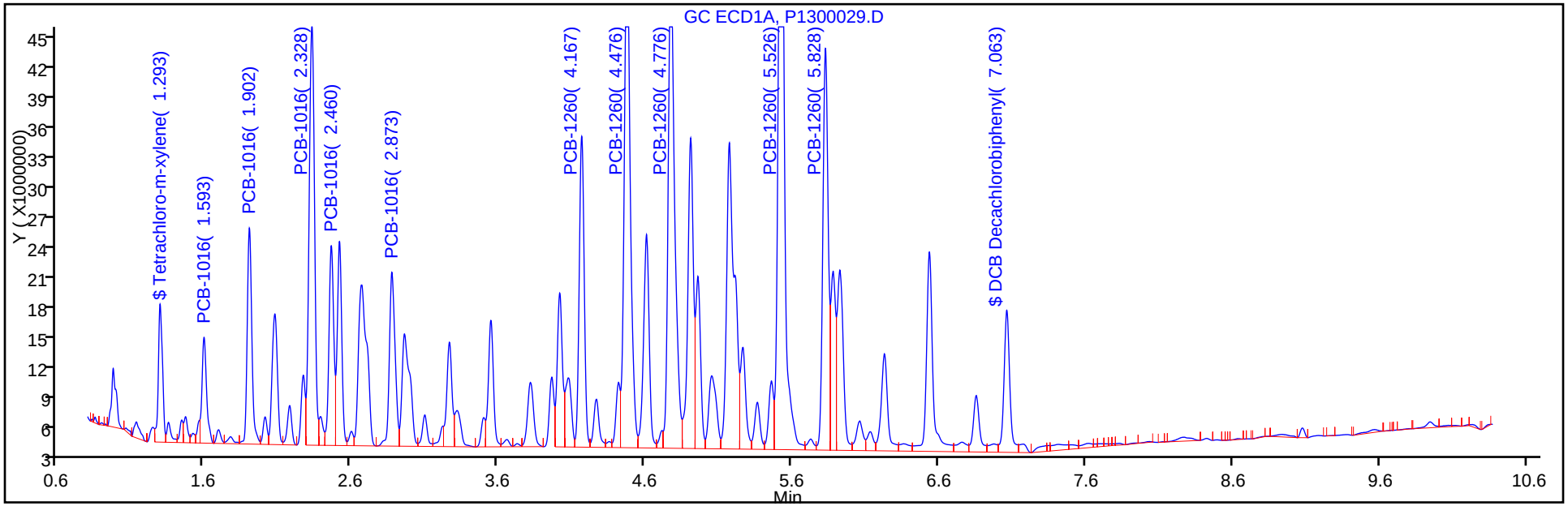
Report Date: 27-Nov-2012 09:54:39 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

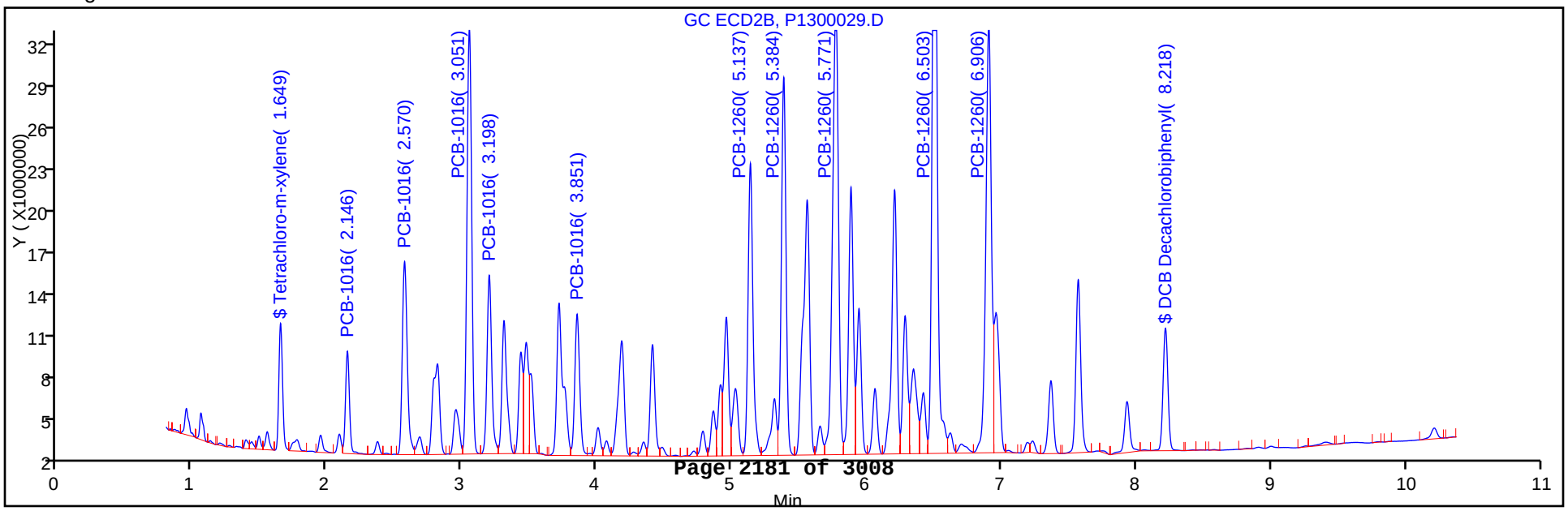
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300029.D

Injection Date:	27-Nov-2012 08:35:01	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	29
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65363/4

Matrix: Water | Lab File ID: P1300004.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/18/2012 14:28

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0524*		*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0525*		*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	113		50-150
2051-24-3	DCB Decachlorobiphenyl	109		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300004.D
Lims ID: MRL
Client ID:
Inject. Date: 18-Nov-2012 14:28:41
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015025-004
Misc. Info.:
Operator:
Instrument ID: A2HP13
Injection Vol: 1.0 uL
ALS Bottle#: 4
Lims Batch ID: 65363
Lims Sample ID: 4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:45
Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl
Date: 19-Nov-2012 11:04:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.293	1.294	-0.001	6441450	0.002822			
2	2	1.650	1.650	0.000	3771612	0.002625			
						RPD = 7.24			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
6 PCB-1016									
1	100	1.593	1.593	0.000	2346734	0.0577		100.0	
1	2	1.901	1.901	0.000	4098594	0.0570	149.3- 199.3	174.7	
1	3	2.328	2.328	0.000	8084664	0.0521	350.2- 400.2	344.5	
1	4	2.459	2.459	0.000	2683043	0.0416	130.7- 180.7	114.3	
1	5	2.873	2.871	0.002	3625837	0.0534	137.9- 187.9	154.5	
			Average of Peak Amounts =			0.0524			
2	6	2.144	2.146	-0.002	1272477	0.0566		100.0	
2	7	2.569	2.569	0.000	2618278	0.0558	176.5- 236.5	205.8	
2	8	3.051	3.052	-0.001	4654308	0.0512	362.5- 422.5	365.8	
2	9	3.198	3.199	-0.001	1997769	0.0516	137.9- 197.9	157.0	
2	10	3.851	3.852	-0.001	1863013	0.0517	118.8- 178.8	146.4	
			Average of Peak Amounts =			0.0534			
						RPD = 1.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	5382961	0.0531		100.0	
1	2	4.475	4.476	-0.001	10735495	0.0535	175.1- 225.1	199.4	
1	3	4.773	4.774	-0.001	10412006	0.0520	173.2- 223.2	193.4	
1	4	5.526	5.524	0.002	14270095	0.0525	244.1- 294.1	265.1	
1	5	5.828	5.828	0.000	6655736	0.0515	101.5- 151.5	123.6	
			Average of Peak Amounts =			0.0525			
2	6	5.137	5.136	0.001	3590814	0.0539		100.0	
2	7	5.384	5.384	0.000	4529676	0.0209	86.6- 146.6	126.1	
2	8	5.773	5.772	0.001	6093069	0.0522	142.9- 202.9	169.7	
2	9	6.506	6.504	0.002	7491836	0.0527	179.5- 239.5	208.6	
2	10	6.908	6.907	0.001	5344241	0.0513	121.8- 181.8	148.8	
			Average of Peak Amounts =			0.0462			
						RPD = 12.87			
9 PCB-1262									
1	100		4.477						
1	2		4.908						
1	3		5.172						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.208						
2	9		6.506						
2	10		6.906						
11 PCB-1268									
1	100		5.881						
1	2		5.920						
1	3		6.133						
1	4		6.537						
1	5		6.856						
2	6		6.906						
2	7		6.954						
2	8		7.236						
2	9		7.572						
2	10		7.935						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	6372475	0.002730			
2	2	8.218	8.219	-0.001	3743636	0.002779			
						RPD = 1.81			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

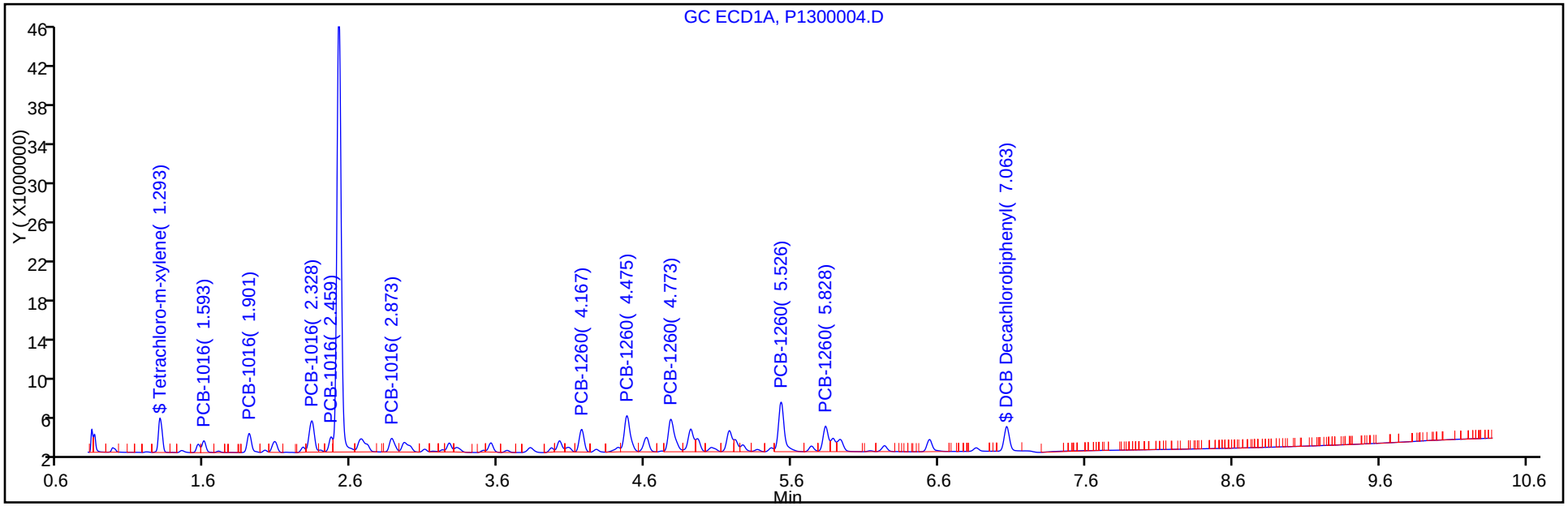
Report Date: 19-Nov-2012 11:08:52 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

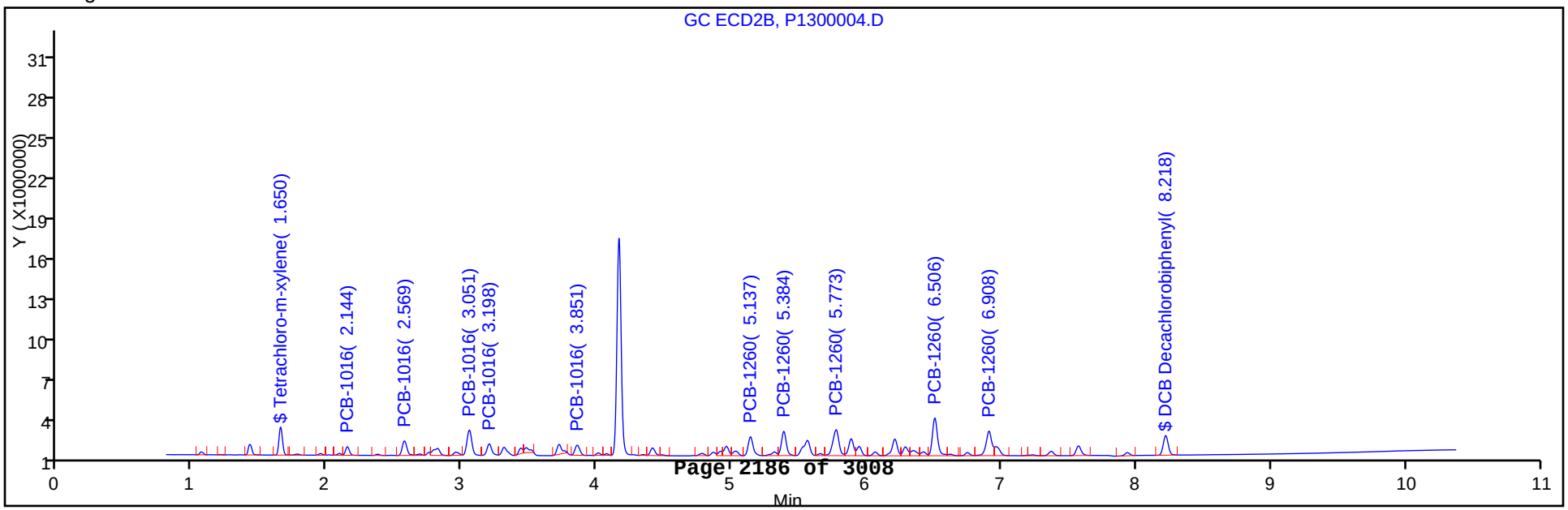
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300004.D

Injection Date:	18-Nov-2012 14:28:41	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-65363/4

Matrix: Water Lab File ID: P1300004.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 11/18/2012 14:28

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0534		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0462	J	0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		50-150
2051-24-3	DCB Decachlorobiphenyl	111		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300004.D
Lims ID: MRL Client ID:
Inject. Date: 18-Nov-2012 14:28:41 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015025-004
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 4
Lims Batch ID: 65363 Lims Sample ID: 4
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:45 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl Date: 19-Nov-2012 11:04:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.293	1.294	-0.001	6441450	0.002822			
2	2	1.650	1.650	0.000	3771612	0.002625			
						RPD = 7.24			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
6 PCB-1016									
1	100	1.593	1.593	0.000	2346734	0.0577		100.0	
1	2	1.901	1.901	0.000	4098594	0.0570	149.3- 199.3	174.7	
1	3	2.328	2.328	0.000	8084664	0.0521	350.2- 400.2	344.5	
1	4	2.459	2.459	0.000	2683043	0.0416	130.7- 180.7	114.3	
1	5	2.873	2.871	0.002	3625837	0.0534	137.9- 187.9	154.5	
			Average of Peak Amounts =			0.0524			
2	6	2.144	2.146	-0.002	1272477	0.0566		100.0	
2	7	2.569	2.569	0.000	2618278	0.0558	176.5- 236.5	205.8	
2	8	3.051	3.052	-0.001	4654308	0.0512	362.5- 422.5	365.8	
2	9	3.198	3.199	-0.001	1997769	0.0516	137.9- 197.9	157.0	
2	10	3.851	3.852	-0.001	1863013	0.0517	118.8- 178.8	146.4	
			Average of Peak Amounts =			0.0534			
						RPD = 1.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	5382961	0.0531		100.0	
1	2	4.475	4.476	-0.001	10735495	0.0535	175.1- 225.1	199.4	
1	3	4.773	4.774	-0.001	10412006	0.0520	173.2- 223.2	193.4	
1	4	5.526	5.524	0.002	14270095	0.0525	244.1- 294.1	265.1	
1	5	5.828	5.828	0.000	6655736	0.0515	101.5- 151.5	123.6	
			Average of Peak Amounts =			0.0525			
2	6	5.137	5.136	0.001	3590814	0.0539		100.0	
2	7	5.384	5.384	0.000	4529676	0.0209	86.6- 146.6	126.1	
2	8	5.773	5.772	0.001	6093069	0.0522	142.9- 202.9	169.7	
2	9	6.506	6.504	0.002	7491836	0.0527	179.5- 239.5	208.6	
2	10	6.908	6.907	0.001	5344241	0.0513	121.8- 181.8	148.8	
			Average of Peak Amounts =			0.0462			
						RPD = 12.87			
9 PCB-1262									
1	100		4.477						
1	2		4.908						
1	3		5.172						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.208						
2	9		6.506						
2	10		6.906						
11 PCB-1268									
1	100		5.881						
1	2		5.920						
1	3		6.133						
1	4		6.537						
1	5		6.856						
2	6		6.906						
2	7		6.954						
2	8		7.236						
2	9		7.572						
2	10		7.935						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	6372475	0.002730			
2	2	8.218	8.219	-0.001	3743636	0.002779			
						RPD = 1.81			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

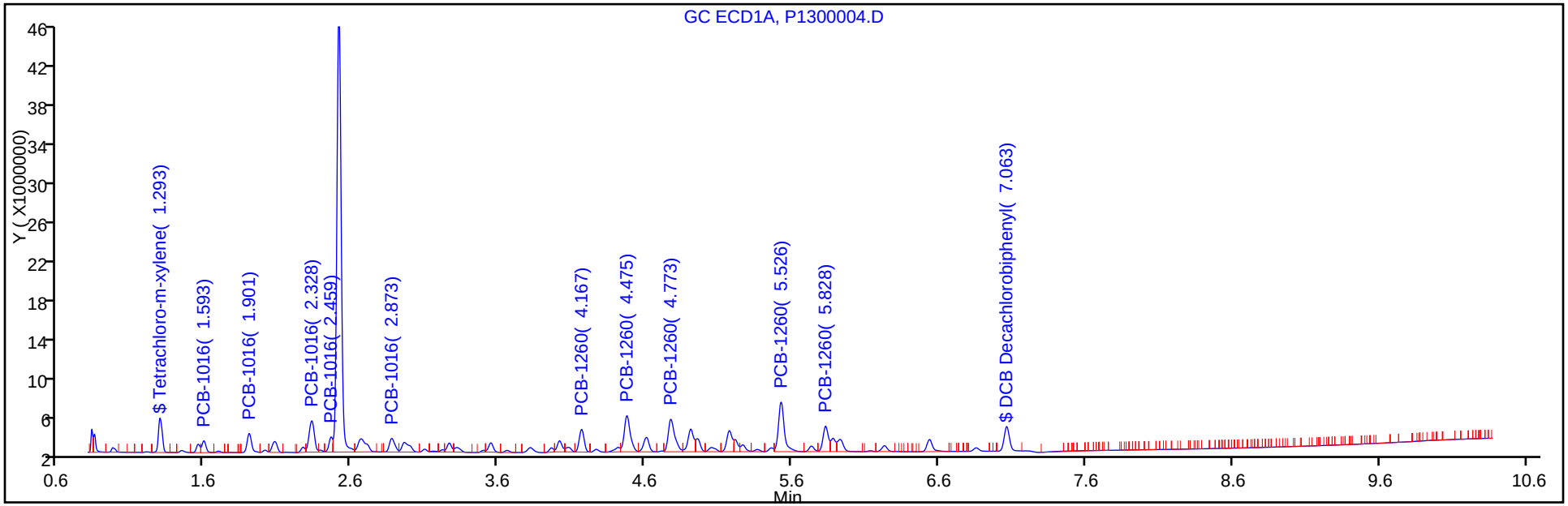
Report Date: 19-Nov-2012 11:08:53 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

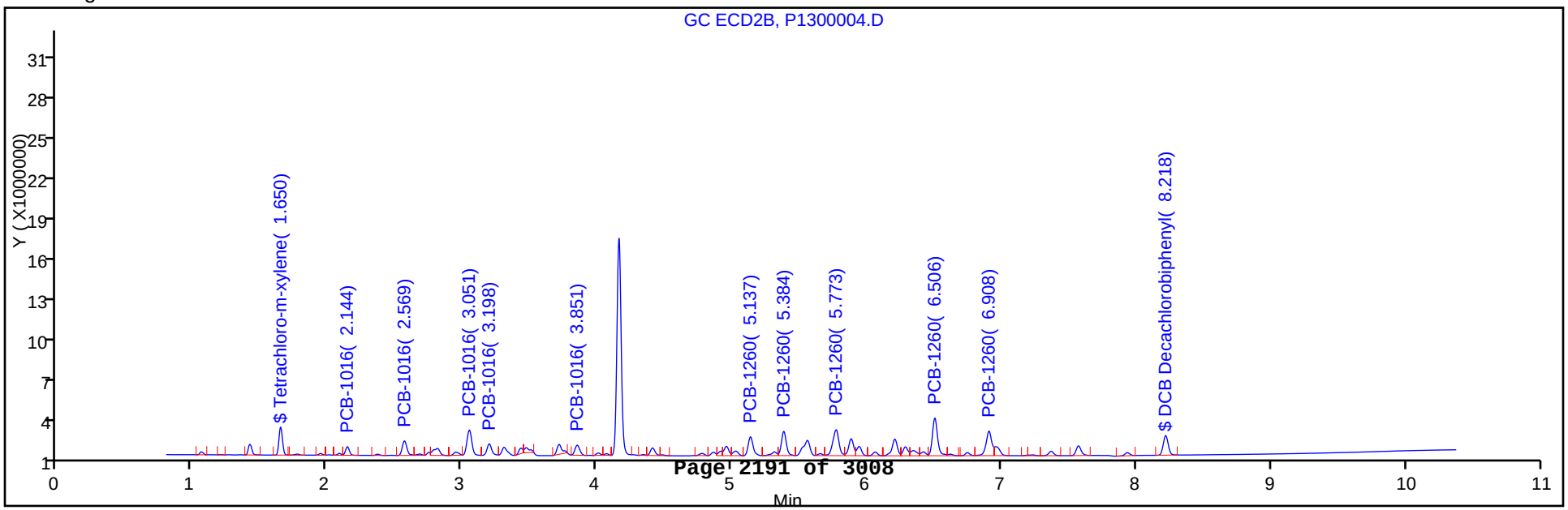
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300004.D

Injection Date:	18-Nov-2012 14:28:41	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	4
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65363/26

Matrix: Water | Lab File ID: P1300026.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/18/2012 19:56

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0686*	^	*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0460*	*J*	*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		50-150
2051-24-3	DCB Decachlorobiphenyl	107		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300026.D
Lims ID: MRL Client ID:
Inject. Date: 18-Nov-2012 19:56:49 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015025-026
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 26
Lims Batch ID: 65363 Lims Sample ID: 26
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:35 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl Date: 19-Nov-2012 11:08:13

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.291	1.292	-0.001	6008941	0.002632			
2	2	1.647	1.648	-0.001	3863451	0.002688			
						RPD = 2.12			
3 PCB-1221									
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100	0.0	1.591	-1.591	0	0		100.0	
1	2	1.900	1.901	-0.001	3634919	0.0506	149.3- 199.3		
1	3	2.326	2.328	-0.002	7696257	0.0496	350.2- 400.2		
1	4	0.0	2.459	-2.459	0	0	130.7- 180.7		
1	5	2.869	2.872	-0.003	7176289	0.1058	137.9- 187.9		
			Average of Peak Amounts =			0.0686			
2	6	2.143	2.144	-0.001	1215372	0.0541		100.0	
2	7	2.567	2.569	-0.002	2460827	0.0525	176.5- 236.5	202.5	
2	8	3.050	3.050	0.000	4905627	0.0540	362.5- 422.5	403.6	
2	9	3.198	3.199	-0.001	2014621	0.0520	137.9- 197.9	165.8	
2	10	3.849	3.850	-0.001	1968582	0.0546	118.8- 178.8	162.0	
			Average of Peak Amounts =			0.0534			
						RPD = 24.92			
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.165	4.167	-0.002	5018173	0.0495		100.0	
1	2	4.475	4.476	-0.001	9490500	0.0473	175.1- 225.1	189.1	
1	3	4.773	4.775	-0.002	8856561	0.0443	173.2- 223.2	176.5	
1	4	5.526	5.527	-0.001	12418394	0.0457	244.1- 294.1	247.5	
1	5	5.828	5.830	-0.002	5568995	0.0431	101.5- 151.5	111.0	
			Average of Peak Amounts =			0.0460			
2	6	5.137	5.137	0.000	3471650	0.0521		100.0	
2	7	5.385	5.385	0.000	4163756	0.0157	86.6- 146.6	119.9	
2	8	5.773	5.772	0.001	5886883	0.0504	142.9- 202.9	169.6	
2	9	6.505	6.505	0.000	7656671	0.0538	179.5- 239.5	220.5	
2	10	6.908	6.908	0.000	5621598	0.0540	121.8- 181.8	161.9	
			Average of Peak Amounts =			0.0452			
						RPD = 1.72			
9 PCB-1262									
1	100		4.477						
1	2		4.908						
1	3		5.172						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.208						
2	9		6.506						
2	10		6.906						
11 PCB-1268									
1	100		5.881						
1	2		5.920						
1	3		6.133						
1	4		6.537						
1	5		6.856						
2	6		6.906						
2	7		6.954						
2	8		7.236						
2	9		7.572						
2	10		7.935						
$ 12 DCB Decachlorobiphenyl									
1	100	7.062	7.063	-0.001	6243236	0.002674			
2	2	8.220	8.220	0.000	3770129	0.002799			
						RPD = 4.57			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

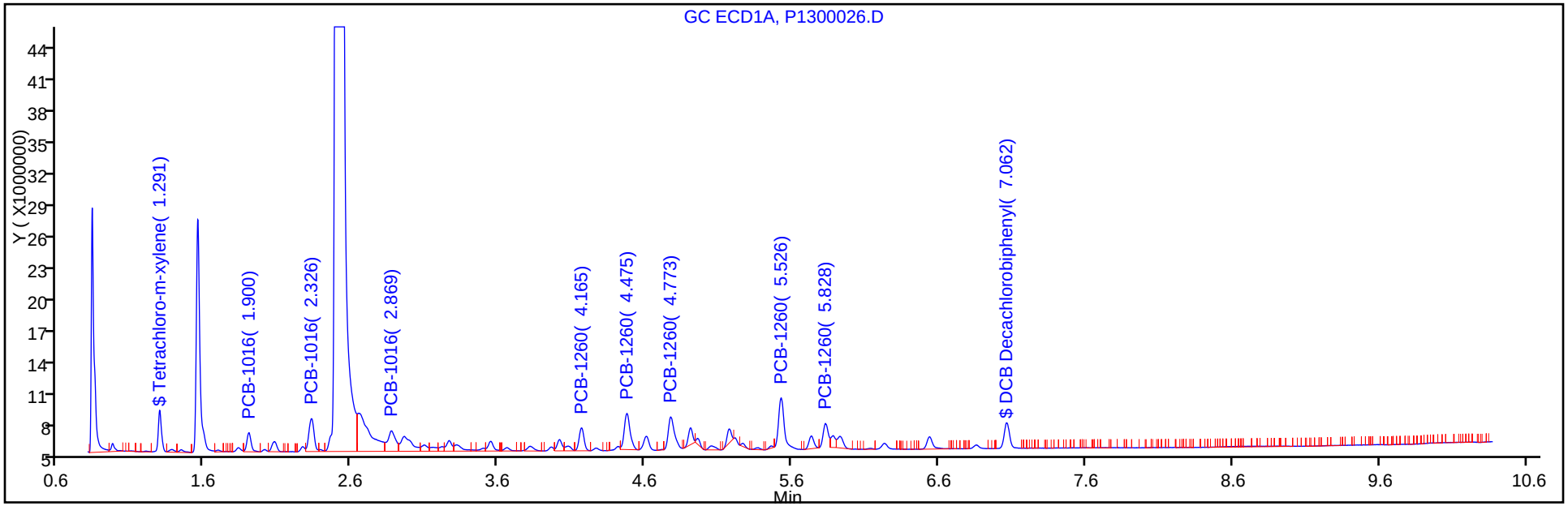
Report Date: 19-Nov-2012 11:08:35 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

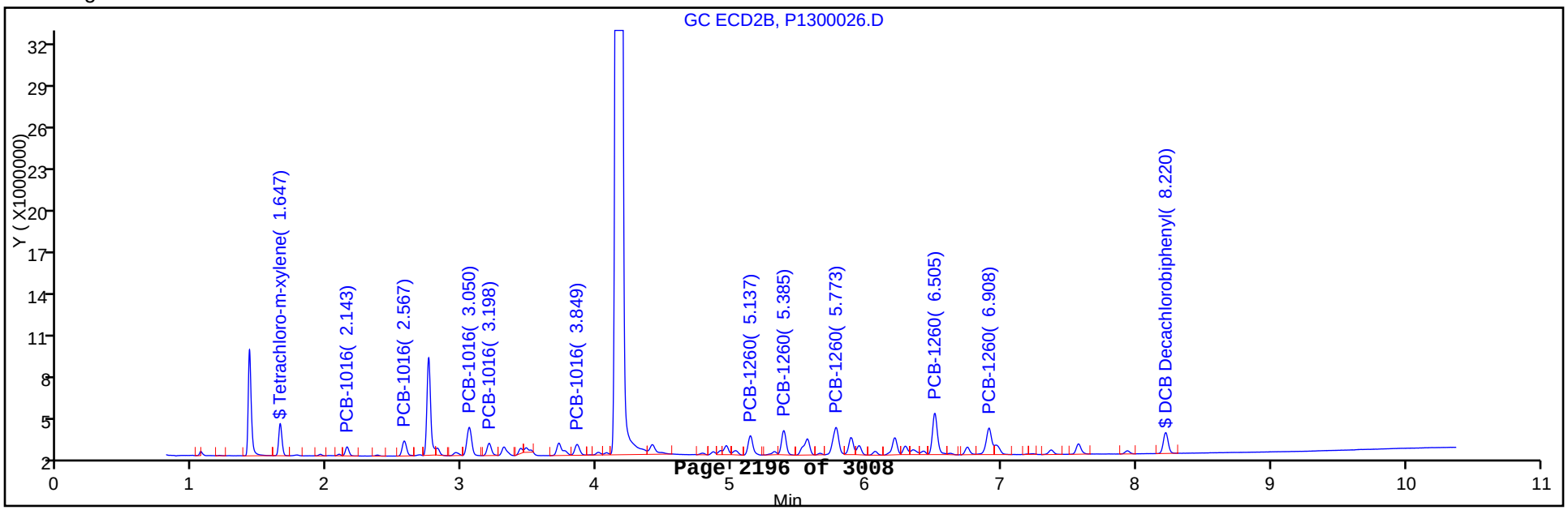
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300026.D

Injection Date:	18-Nov-2012 19:56:49	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65363/26

Matrix: Water | Lab File ID: P1300026.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/18/2012 19:56

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0534		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0452	J	0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	108		50-150
2051-24-3	DCB Decachlorobiphenyl	112		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300026.D
Lims ID: MRL Client ID:
Inject. Date: 18-Nov-2012 19:56:49 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015025-026
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 26
Lims Batch ID: 65363 Lims Sample ID: 26
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:35 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl Date: 19-Nov-2012 11:08:13

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.291	1.292	-0.001	6008941	0.002632			
2	2	1.647	1.648	-0.001	3863451	0.002688			
						RPD = 2.12			
3 PCB-1221									
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100	0.0	1.591	-1.591	0	0		100.0	
1	2	1.900	1.901	-0.001	3634919	0.0506	149.3- 199.3		
1	3	2.326	2.328	-0.002	7696257	0.0496	350.2- 400.2		
1	4	0.0	2.459	-2.459	0	0	130.7- 180.7		
1	5	2.869	2.872	-0.003	7176289	0.1058	137.9- 187.9		
			Average of Peak Amounts =			0.0686			
2	6	2.143	2.144	-0.001	1215372	0.0541		100.0	
2	7	2.567	2.569	-0.002	2460827	0.0525	176.5- 236.5	202.5	
2	8	3.050	3.050	0.000	4905627	0.0540	362.5- 422.5	403.6	
2	9	3.198	3.199	-0.001	2014621	0.0520	137.9- 197.9	165.8	
2	10	3.849	3.850	-0.001	1968582	0.0546	118.8- 178.8	162.0	
			Average of Peak Amounts =			0.0534			
						RPD = 24.92			
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.165	4.167	-0.002	5018173	0.0495		100.0	
1	2	4.475	4.476	-0.001	9490500	0.0473	175.1- 225.1	189.1	
1	3	4.773	4.775	-0.002	8856561	0.0443	173.2- 223.2	176.5	
1	4	5.526	5.527	-0.001	12418394	0.0457	244.1- 294.1	247.5	
1	5	5.828	5.830	-0.002	5568995	0.0431	101.5- 151.5	111.0	
			Average of Peak Amounts =			0.0460			
2	6	5.137	5.137	0.000	3471650	0.0521		100.0	
2	7	5.385	5.385	0.000	4163756	0.0157	86.6- 146.6	119.9	
2	8	5.773	5.772	0.001	5886883	0.0504	142.9- 202.9	169.6	
2	9	6.505	6.505	0.000	7656671	0.0538	179.5- 239.5	220.5	
2	10	6.908	6.908	0.000	5621598	0.0540	121.8- 181.8	161.9	
			Average of Peak Amounts =			0.0452			
						RPD = 1.72			
9 PCB-1262									
1	100		4.477						
1	2		4.908						
1	3		5.172						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.208						
2	9		6.506						
2	10		6.906						
11 PCB-1268									
1	100		5.881						
1	2		5.920						
1	3		6.133						
1	4		6.537						
1	5		6.856						
2	6		6.906						
2	7		6.954						
2	8		7.236						
2	9		7.572						
2	10		7.935						
$ 12 DCB Decachlorobiphenyl									
1	100	7.062	7.063	-0.001	6243236	0.002674			
2	2	8.220	8.220	0.000	3770129	0.002799			
						RPD = 4.57			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

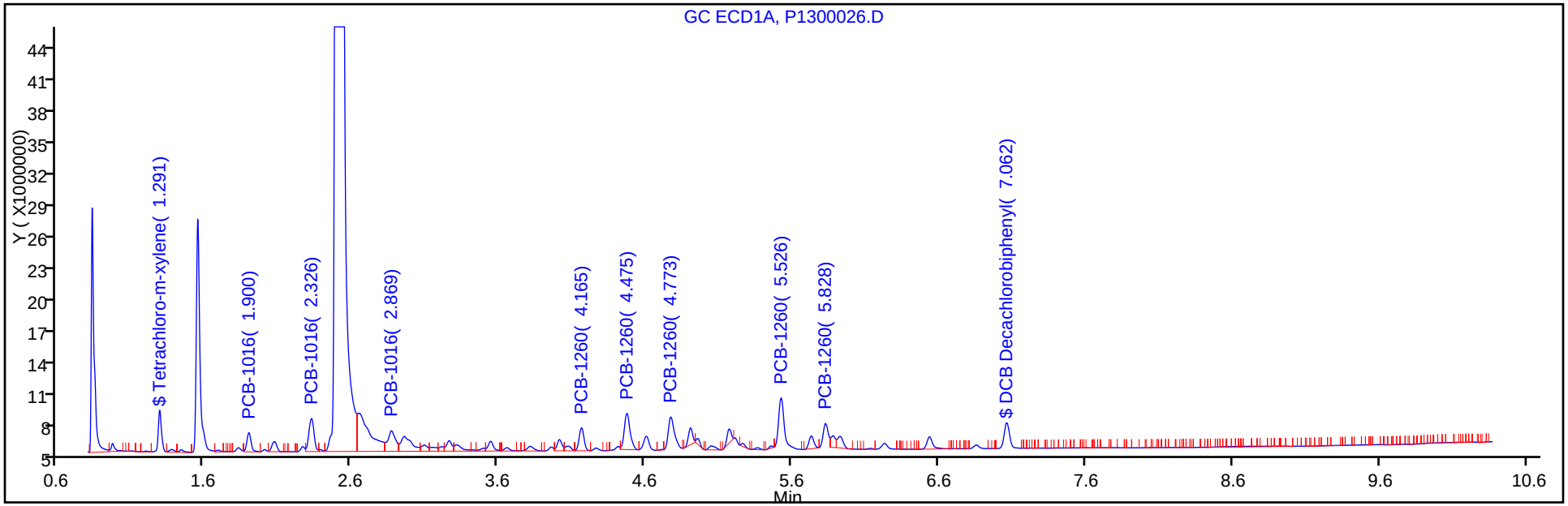
Report Date: 19-Nov-2012 11:08:36 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

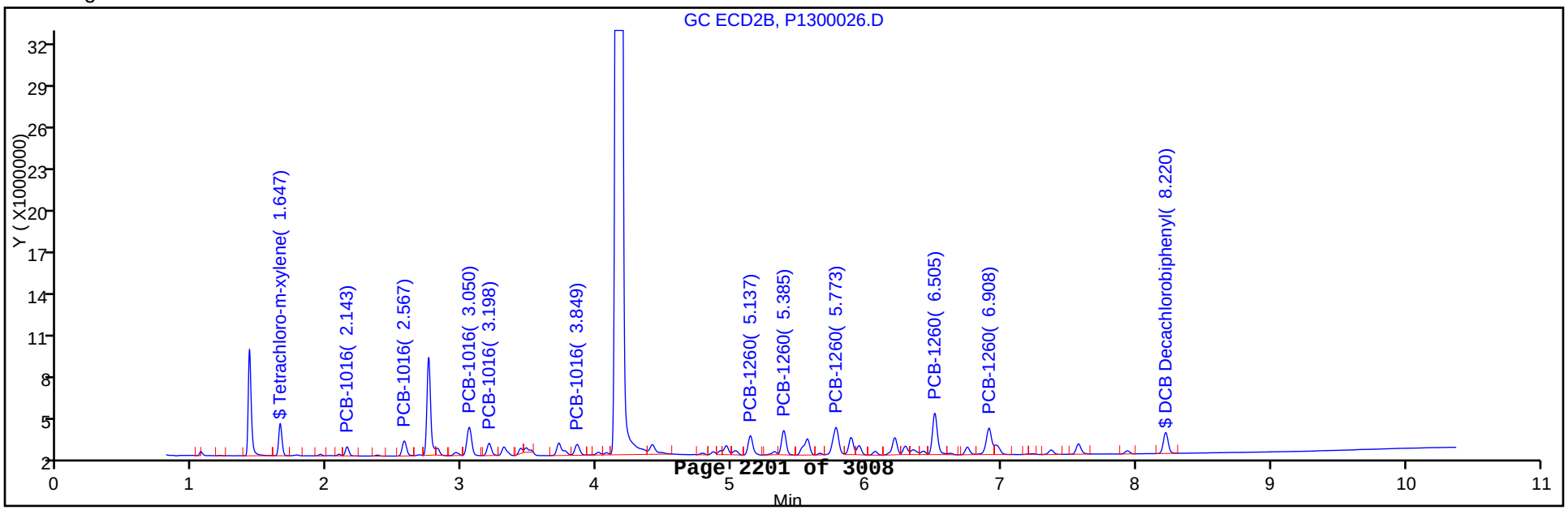
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300026.D

Injection Date:	18-Nov-2012 19:56:49	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	26
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66323/3

Matrix: Solid | Lab File ID: P1300003.D

Analysis Method: 8082/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/27/2012 02:07

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(1/cm) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0554*		*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0542*		*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	114		50-150
2051-24-3	DCB Decachlorobiphenyl	113		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300003.D
Lims ID: MRL Client ID:
Inject. Date: 27-Nov-2012 02:07:01 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015278-003
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 1/cm ALS Bottle#: 3
Lims Batch ID: 66323 Lims Sample ID: 3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 12:22:03 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl Date: 27-Nov-2012 12:12:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.293	1.293	0.000	6500269	0.002847			
2	2	1.650	1.650	0.000	3855400	0.002683			
						RPD = 5.95			
3 PCB-1221									
1	2		1.440						
1	3		1.593						
1	4		1.558						
2	4		1.947						
2	5		2.087						
2	6		2.145						
4 PCB-1232									
1	100		1.558						
1	2		1.901						
1	3		2.328						
1	4		2.458						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.051						
2	9		3.197						
2	10		3.850						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.593						
1	2		1.901						
1	3		2.328						
1	4		2.458						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.051						
2	9		3.197						
2	10		3.716						
6 PCB-1016									
1	100	1.593	1.593	0.000	2372633	0.0584		100.0	
1	2	1.901	1.901	0.000	4143529	0.0576	149.3- 199.3	174.6	
1	3	2.328	2.328	0.000	8424025	0.0543	350.2- 400.2	355.0	
1	4	2.458	2.458	0.000	3392479	0.0526	130.7- 180.7	143.0	
1	5	2.873	2.873	0.000	3678526	0.0542	137.9- 187.9	155.0	
			Average of Peak Amounts =			0.0554			
2	6	2.145	2.145	0.000	1387089	0.0617		100.0	
2	7	2.568	2.568	0.000	2768737	0.0590	176.5- 236.5	199.6	
2	8	3.051	3.051	0.000	5171478	0.0569	362.5- 422.5	372.8	
2	9	3.197	3.197	0.000	2243756	0.0580	137.9- 197.9	161.8	
2	10	3.850	3.850	0.000	1949828	0.0541	118.8- 178.8	140.6	
			Average of Peak Amounts =			0.0579			
						RPD = 4.43			
7 PCB-1248									
1	86		1.901						
1	2		2.328						
1	3		2.873						
1	4		3.499						
1	5		3.963						
2	6		2.568						
2	7		3.051						
2	8		3.716						
2	9		3.850						
2	10		4.913						
8 PCB-1254									
1	100		3.548						
1	2		3.963						
1	3		4.266						
1	4		4.474						
1	5		4.773						
2	6		4.409						
2	7		4.913						
2	8		5.135						
2	9		5.559						
2	10		5.772						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	5499571	0.0543		100.0	
1	2	4.474	4.474	0.000	11137024	0.0555	175.1- 225.1	202.5	
1	3	4.773	4.773	0.000	10813531	0.0541	173.2- 223.2	196.6	
1	4	5.525	5.525	0.000	14959380	0.0550	244.1- 294.1	272.0	
1	5	5.830	5.830	0.000	6754773	0.0523	101.5- 151.5	122.8	
			Average of Peak Amounts =			0.0542			
2	6	5.135	5.135	0.000	3785839	0.0568		100.0	
2	7	5.384	5.384	0.000	4635060	0.0224	86.6- 146.6	122.4	
2	8	5.772	5.772	0.000	6665224	0.0570	142.9- 202.9	176.1	
2	9	6.503	6.503	0.000	8240392	0.0579	179.5- 239.5	217.7	
2	10	6.906	6.906	0.000	5958093	0.0572	121.8- 181.8	157.4	
			Average of Peak Amounts =			0.0503			
						RPD = 7.56			
9 PCB-1262									
1	100		4.474						
1	2		4.908						
1	3		5.173						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.207						
2	9		6.503						
2	10		6.906						
11 PCB-1268									
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.065	7.065	0.000	6613959	0.002833			
2	2	8.218	8.218	0.000	3938543	0.002924			
						RPD = 3.17			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

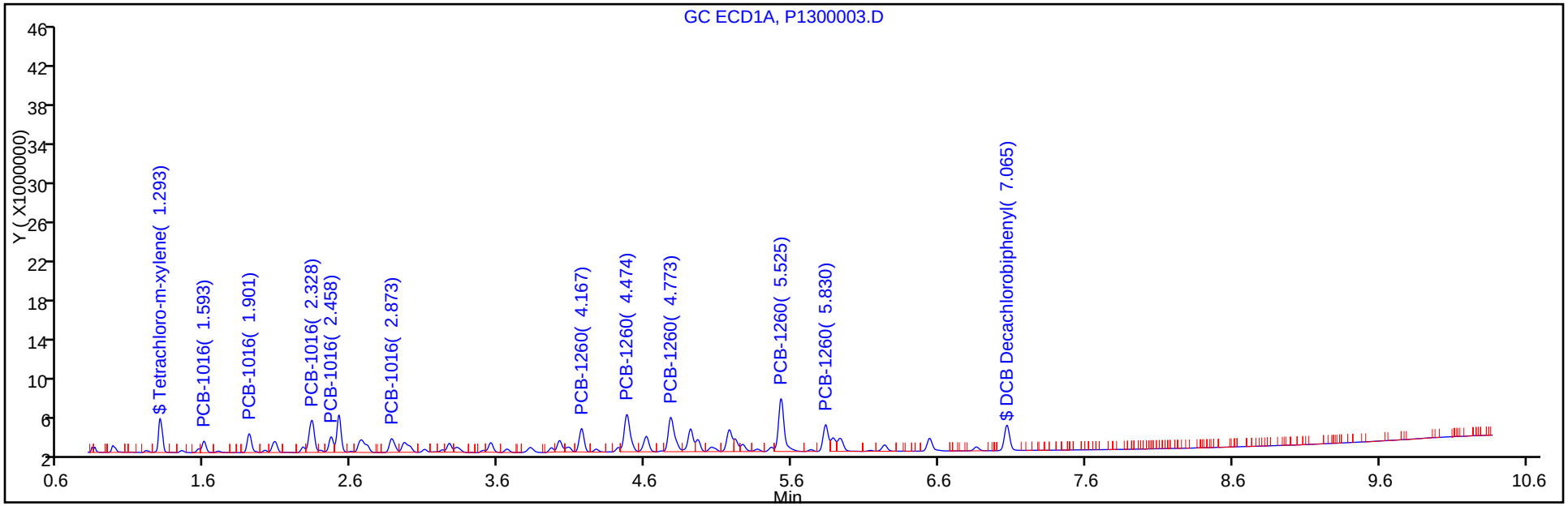
Report Date: 27-Nov-2012 12:22:04 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

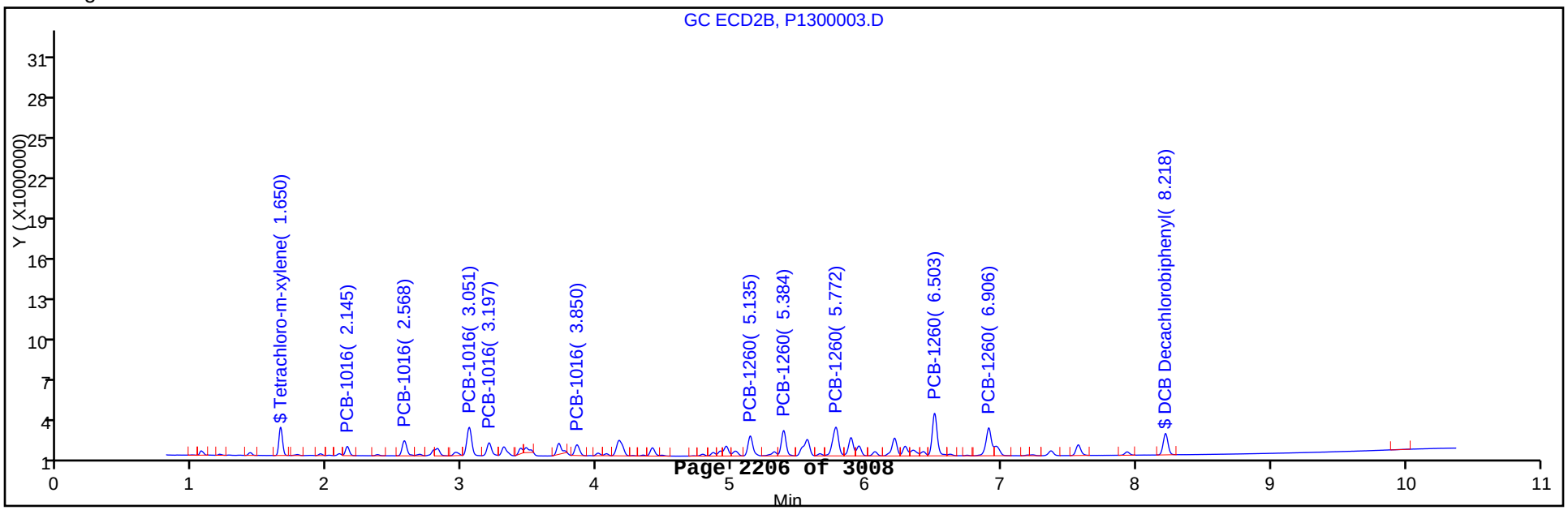
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300003.D

Injection Date:	27-Nov-2012 02:07:01	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-66323/3

Matrix: Solid Lab File ID: P1300003.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 11/27/2012 02:07

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0579		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0503		0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	107		50-150
2051-24-3	DCB Decachlorobiphenyl	117		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300003.D
Lims ID: MRL Client ID:
Inject. Date: 27-Nov-2012 02:07:01 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015278-003
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 1/cm ALS Bottle#: 3
Lims Batch ID: 66323 Lims Sample ID: 3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 12:22:03 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl Date: 27-Nov-2012 12:12:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.293	1.293	0.000	6500269	0.002847			
2	2	1.650	1.650	0.000	3855400	0.002683			
						RPD = 5.95			
3 PCB-1221									
1	2		1.440						
1	3		1.593						
1	4		1.558						
2	4		1.947						
2	5		2.087						
2	6		2.145						
4 PCB-1232									
1	100		1.558						
1	2		1.901						
1	3		2.328						
1	4		2.458						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.051						
2	9		3.197						
2	10		3.850						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.593						
1	2		1.901						
1	3		2.328						
1	4		2.458						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.051						
2	9		3.197						
2	10		3.716						
6 PCB-1016									
1	100	1.593	1.593	0.000	2372633	0.0584		100.0	
1	2	1.901	1.901	0.000	4143529	0.0576	149.3- 199.3	174.6	
1	3	2.328	2.328	0.000	8424025	0.0543	350.2- 400.2	355.0	
1	4	2.458	2.458	0.000	3392479	0.0526	130.7- 180.7	143.0	
1	5	2.873	2.873	0.000	3678526	0.0542	137.9- 187.9	155.0	
			Average of Peak Amounts =			0.0554			
2	6	2.145	2.145	0.000	1387089	0.0617		100.0	
2	7	2.568	2.568	0.000	2768737	0.0590	176.5- 236.5	199.6	
2	8	3.051	3.051	0.000	5171478	0.0569	362.5- 422.5	372.8	
2	9	3.197	3.197	0.000	2243756	0.0580	137.9- 197.9	161.8	
2	10	3.850	3.850	0.000	1949828	0.0541	118.8- 178.8	140.6	
			Average of Peak Amounts =			0.0579			
						RPD = 4.43			
7 PCB-1248									
1	86		1.901						
1	2		2.328						
1	3		2.873						
1	4		3.499						
1	5		3.963						
2	6		2.568						
2	7		3.051						
2	8		3.716						
2	9		3.850						
2	10		4.913						
8 PCB-1254									
1	100		3.548						
1	2		3.963						
1	3		4.266						
1	4		4.474						
1	5		4.773						
2	6		4.409						
2	7		4.913						
2	8		5.135						
2	9		5.559						
2	10		5.772						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	5499571	0.0543		100.0	
1	2	4.474	4.474	0.000	11137024	0.0555	175.1- 225.1	202.5	
1	3	4.773	4.773	0.000	10813531	0.0541	173.2- 223.2	196.6	
1	4	5.525	5.525	0.000	14959380	0.0550	244.1- 294.1	272.0	
1	5	5.830	5.830	0.000	6754773	0.0523	101.5- 151.5	122.8	
			Average of Peak Amounts =			0.0542			
2	6	5.135	5.135	0.000	3785839	0.0568		100.0	
2	7	5.384	5.384	0.000	4635060	0.0224	86.6- 146.6	122.4	
2	8	5.772	5.772	0.000	6665224	0.0570	142.9- 202.9	176.1	
2	9	6.503	6.503	0.000	8240392	0.0579	179.5- 239.5	217.7	
2	10	6.906	6.906	0.000	5958093	0.0572	121.8- 181.8	157.4	
			Average of Peak Amounts =			0.0503			
						RPD = 7.56			
9 PCB-1262									
1	100		4.474						
1	2		4.908						
1	3		5.173						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.207						
2	9		6.503						
2	10		6.906						
11 PCB-1268									
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.065	7.065	0.000	6613959	0.002833			
2	2	8.218	8.218	0.000	3938543	0.002924			
						RPD = 3.17			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

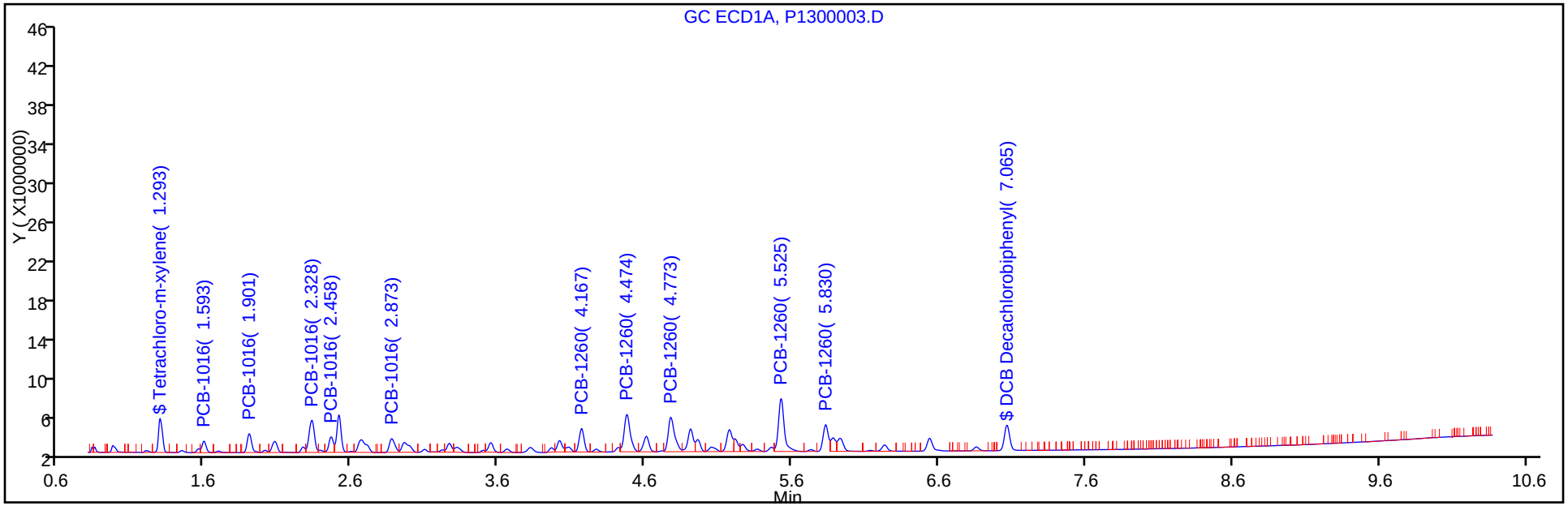
Report Date: 27-Nov-2012 12:22:04 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

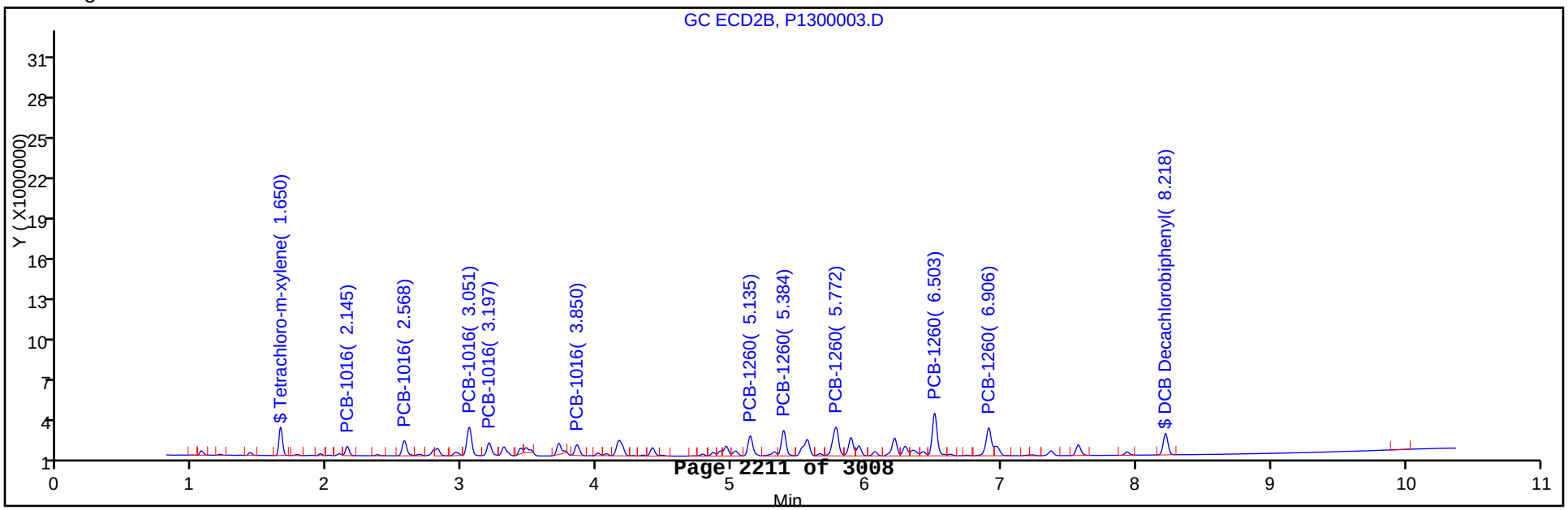
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300003.D

Injection Date:	27-Nov-2012 02:07:01	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	3
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-66323/31

Matrix: Solid Lab File ID: P1300031.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 11/27/2012 09:04

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	*Aroclor-1221*	*0.00020*	*U*	*0.050*	0.00020	*0.013*
12674-11-2	*Aroclor-1016*	*0.0560*		*0.050*	0.00020	*0.017*
11141-16-5	*Aroclor-1232*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
53469-21-9	*Aroclor-1242*	*0.00040*	*U*	*0.050*	0.00040	*0.022*
12672-29-6	*Aroclor-1248*	*0.00020*	*U*	*0.050*	0.00020	*0.010*
11097-69-1	*Aroclor-1254*	*0.00020*	*U*	*0.050*	0.00020	*0.016*
11096-82-5	*Aroclor-1260*	*0.0494*	*J*	*0.050*	0.00020	*0.017*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	118		50-150
2051-24-3	DCB Decachlorobiphenyl	109		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300031.D
Lims ID: MRL Client ID:
Inject. Date: 27-Nov-2012 09:04:49 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015278-031
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 1/cm ALS Bottle#: 31
Lims Batch ID: 66323 Lims Sample ID: 31
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 09:54:40 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl Date: 27-Nov-2012 09:53:28

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.293	1.294	-0.001	6757688	0.002960			
2	2	1.648	1.648	0.000	3894241	0.002710			
						RPD = 8.83			
3 PCB-1221									
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									
1	100	1.593	1.593	0.000	2430668	0.0598		100.0	
1	2	1.902	1.903	-0.001	4240405	0.0590	149.3- 199.3	174.5	
1	3	2.329	2.329	0.000	8818517	0.0568	350.2- 400.2	362.8	
1	4	2.461	2.461	0.000	3498836	0.0543	130.7- 180.7	143.9	
1	5	2.874	2.876	-0.002	3401230	0.0501	137.9- 187.9	139.9	
			Average of Peak Amounts =			0.0560			
2	6	2.144	2.144	0.000	1386647	0.0617		100.0	
2	7	2.567	2.568	-0.001	2731353	0.0582	176.5- 236.5	197.0	
2	8	3.050	3.050	0.000	5339779	0.0588	362.5- 422.5	385.1	
2	9	3.197	3.199	-0.002	2247202	0.0580	137.9- 197.9	162.1	
2	10	3.850	3.850	0.000	1948131	0.0540	118.8- 178.8	140.5	
			Average of Peak Amounts =			0.0582			
						RPD = 3.77			
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.171	4.170	0.001	5628147	0.0555		100.0	
1	2	4.477	4.479	-0.002	9872997	0.0492	175.1- 225.1	175.4	
1	3	4.779	4.778	0.001	10164705	0.0508	173.2- 223.2	180.6	
1	4	5.529	5.529	0.000	13630232	0.0501	244.1- 294.1	242.2	
1	5	5.832	5.832	0.000	5351738	0.0414	101.5- 151.5	95.1	
			Average of Peak Amounts =			0.0494			
2	6	5.136	5.136	0.000	3731060	0.0560		100.0	
2	7	5.383	5.384	-0.001	4511294	0.0207	86.6- 146.6	120.9	
2	8	5.773	5.771	0.002	6559497	0.0561	142.9- 202.9	175.8	
2	9	6.505	6.505	0.000	8382698	0.0589	179.5- 239.5	224.7	
2	10	6.906	6.907	-0.001	5961049	0.0572	121.8- 181.8	159.8	
			Average of Peak Amounts =			0.0498			
						RPD = 0.73			
9 PCB-1262									
1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						
11 PCB-1268									
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.068	7.067	0.001	6372380	0.002729			
2	2	8.218	8.219	-0.001	3769036	0.002798			
						RPD = 2.49			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

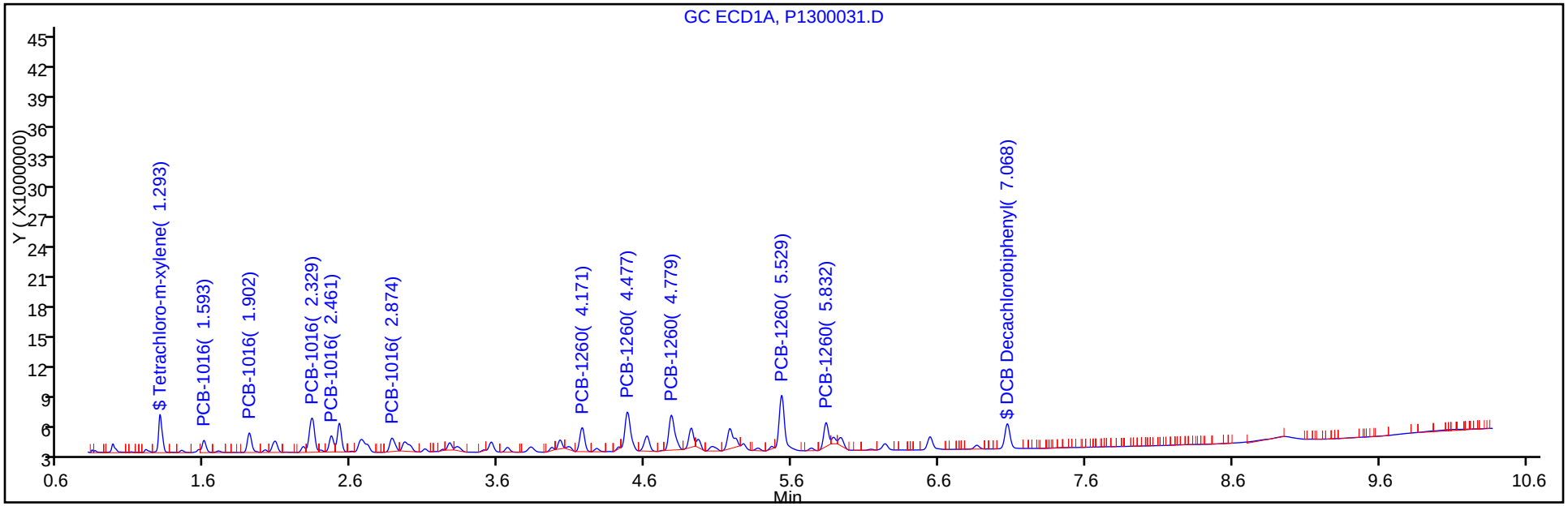
Report Date: 27-Nov-2012 09:54:42 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

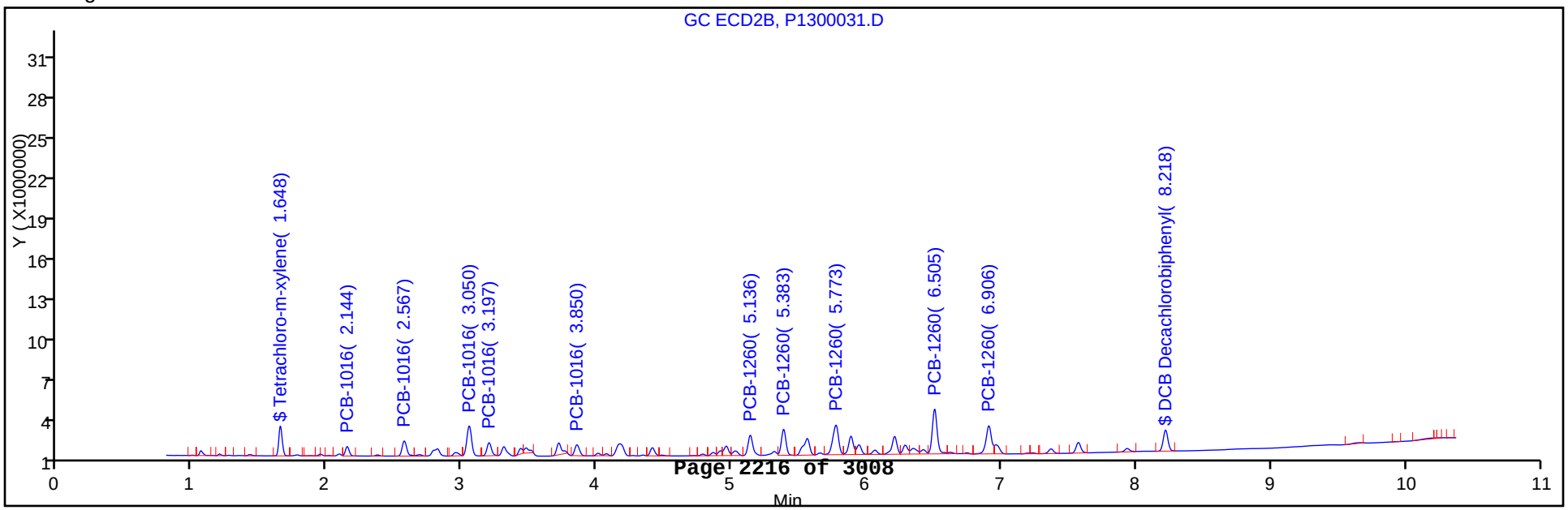
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300031.D

Injection Date:	27-Nov-2012 09:04:49	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-66323/31

Matrix: Solid Lab File ID: P1300031.D

Analysis Method: 8082/DOD Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 11/27/2012 09:04

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.00020	U	0.050	0.00020	0.013
12674-11-2	Aroclor-1016	0.0582		0.050	0.00020	0.017
11141-16-5	Aroclor-1232	0.00020	U	0.050	0.00020	0.016
53469-21-9	Aroclor-1242	0.00040	U	0.050	0.00040	0.022
12672-29-6	Aroclor-1248	0.00020	U	0.050	0.00020	0.010
11097-69-1	Aroclor-1254	0.00020	U	0.050	0.00020	0.016
11096-82-5	Aroclor-1260	0.0498	J	0.050	0.00020	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	108		50-150
2051-24-3	DCB Decachlorobiphenyl	112		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300031.D
Lims ID: MRL Client ID:
Inject. Date: 27-Nov-2012 09:04:49 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015278-031
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 1/cm ALS Bottle#: 31
Lims Batch ID: 66323 Lims Sample ID: 31
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 09:54:40 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl Date: 27-Nov-2012 09:53:28

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.293	1.294	-0.001	6757688	0.002960			
2	2	1.648	1.648	0.000	3894241	0.002710			
						RPD = 8.83			
3 PCB-1221									
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									
1	100	1.593	1.593	0.000	2430668	0.0598		100.0	
1	2	1.902	1.903	-0.001	4240405	0.0590	149.3- 199.3	174.5	
1	3	2.329	2.329	0.000	8818517	0.0568	350.2- 400.2	362.8	
1	4	2.461	2.461	0.000	3498836	0.0543	130.7- 180.7	143.9	
1	5	2.874	2.876	-0.002	3401230	0.0501	137.9- 187.9	139.9	
			Average of Peak Amounts =			0.0560			
2	6	2.144	2.144	0.000	1386647	0.0617		100.0	
2	7	2.567	2.568	-0.001	2731353	0.0582	176.5- 236.5	197.0	
2	8	3.050	3.050	0.000	5339779	0.0588	362.5- 422.5	385.1	
2	9	3.197	3.199	-0.002	2247202	0.0580	137.9- 197.9	162.1	
2	10	3.850	3.850	0.000	1948131	0.0540	118.8- 178.8	140.5	
			Average of Peak Amounts =			0.0582			
						RPD = 3.77			
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.171	4.170	0.001	5628147	0.0555		100.0	
1	2	4.477	4.479	-0.002	9872997	0.0492	175.1- 225.1	175.4	
1	3	4.779	4.778	0.001	10164705	0.0508	173.2- 223.2	180.6	
1	4	5.529	5.529	0.000	13630232	0.0501	244.1- 294.1	242.2	
1	5	5.832	5.832	0.000	5351738	0.0414	101.5- 151.5	95.1	
			Average of Peak Amounts =			0.0494			
2	6	5.136	5.136	0.000	3731060	0.0560		100.0	
2	7	5.383	5.384	-0.001	4511294	0.0207	86.6- 146.6	120.9	
2	8	5.773	5.771	0.002	6559497	0.0561	142.9- 202.9	175.8	
2	9	6.505	6.505	0.000	8382698	0.0589	179.5- 239.5	224.7	
2	10	6.906	6.907	-0.001	5961049	0.0572	121.8- 181.8	159.8	
			Average of Peak Amounts =			0.0498			
						RPD = 0.73			
9 PCB-1262									
1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						
11 PCB-1268									
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.068	7.067	0.001	6372380	0.002729			
2	2	8.218	8.219	-0.001	3769036	0.002798			
						RPD = 2.49			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

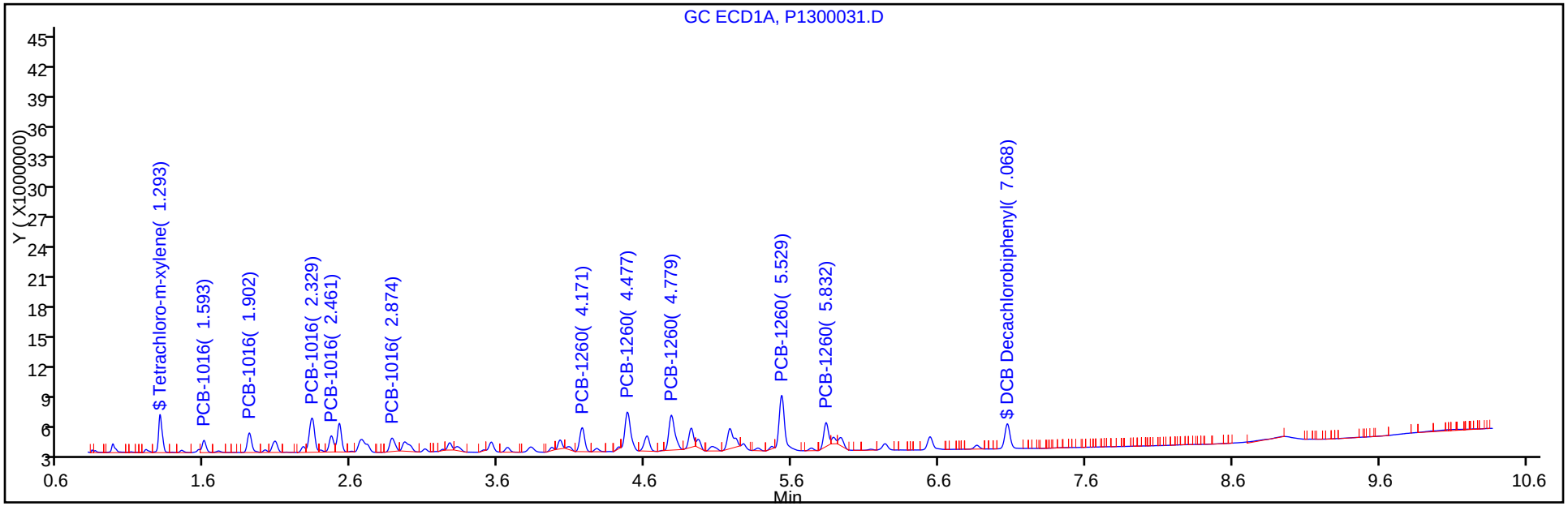
Report Date: 27-Nov-2012 09:54:42 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

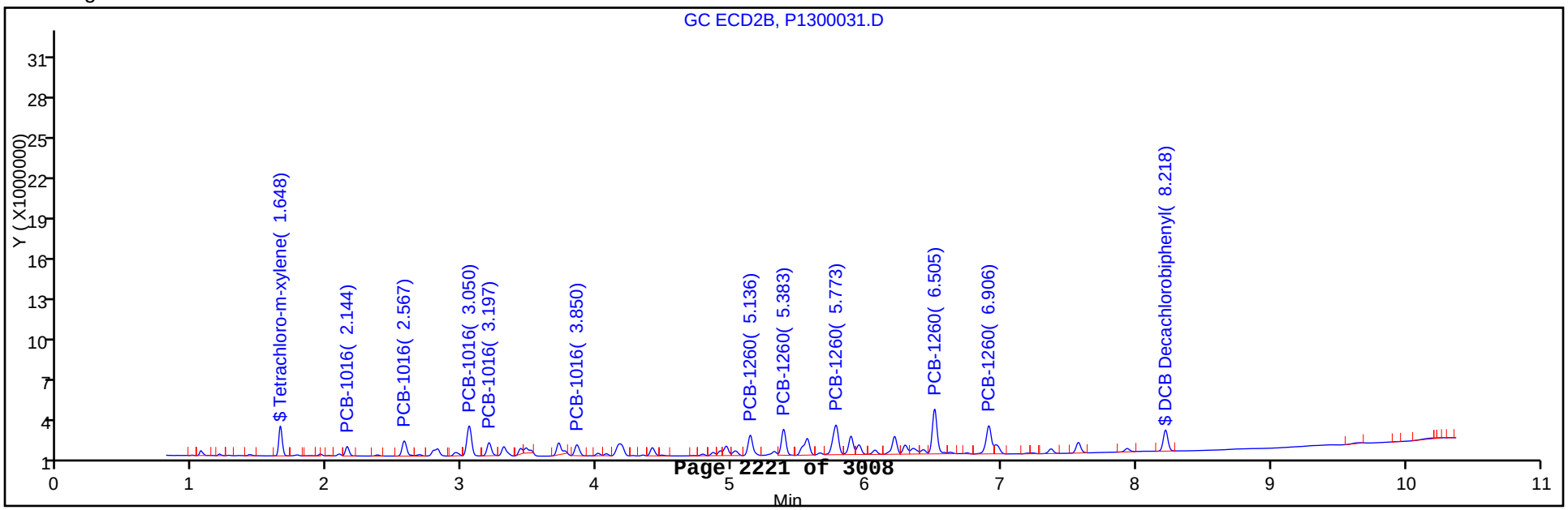
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300031.D

Injection Date:	27-Nov-2012 09:04:49	Limit Group:	GC 8082A ICAL
Client ID:		Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	31
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW MS Lab Sample ID: 240-17477-4 MS

Matrix: Water Lab File ID: P1300022.D

Analysis Method: 8082/DOD Date Collected: 11/08/2012 13:25

Extraction Method: 3520C Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) Date Analyzed: 11/18/2012 18:57

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		40-140
2051-24-3	DCB Decachlorobiphenyl	75		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300022.D
Lims ID: 240-17477-F-4-A MS
Client ID: 068SW-0016-0002-SW
Inject. Date: 18-Nov-2012 18:57:15
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0015025-022
Misc. Info.:
Operator:
Instrument ID: A2HP13
Injection Vol: 1.0 uL
ALS Bottle#: 22
Lims Batch ID: 65363
Lims Sample ID: 22
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:36
Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl
Date: 19-Nov-2012 11:06:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.291	0.003	71793068	0.0314			
2	2	1.650	1.647	0.003	54896351	0.0382			
						RPD = 19.39			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100	1.591	1.589	0.002	30221284	0.7433		100.0	
1	2	1.901	1.898	0.003	57692270	0.8027	149.3- 199.3	190.9	
1	3	2.329	2.325	0.004	151526634	0.9762	350.2- 400.2	501.4	
1	4	2.458	2.457	0.001	62394234	0.9678	130.7- 180.7	206.5	
1	5	2.871	2.870	0.001	56190391	0.8282	137.9- 187.9	185.9	
			Average of Peak Amounts =			0.8636			
2	6	2.145	2.143	0.002	20650821	0.9189		100.0	
2	7	2.568	2.568	0.000	43970424	0.9373	176.5- 236.5	212.9	
2	8	3.051	3.050	0.001	102139152	1.12	362.5- 422.5	494.6	
2	9	3.198	3.197	0.001	37427034	0.9667	137.9- 197.9	181.2	
2	10	3.851	3.850	0.001	28972575	0.8033	118.8- 178.8	140.3	
			Average of Peak Amounts =			0.9501			
						RPD = 9.53			
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.166	4.165	0.001	85786344	0.8464		100.0	
1	2	4.476	4.475	0.001	169151992	0.8431	175.1- 225.1	197.2	
1	3	4.774	4.774	0.000	169746030	0.8485	173.2- 223.2	197.9	
1	4	5.526	5.525	0.001	229752082	0.8453	244.1- 294.1	267.8	
1	5	5.827	5.828	-0.001	106265853	0.8228	101.5- 151.5	123.9	
			Average of Peak Amounts =			0.8412			
2	6	5.137	5.136	0.001	61670633	0.9253		100.0	
2	7	5.385	5.384	0.001	73503058	1.00	86.6- 146.6	119.2	
2	8	5.773	5.771	0.002	110649173	0.9471	142.9- 202.9	179.4	
2	9	6.505	6.504	0.001	137976647	0.9697	179.5- 239.5	223.7	
2	10	6.908	6.907	0.001	97047202	0.9319	121.8- 181.8	157.4	
			Average of Peak Amounts =			0.9555			
						RPD = 12.72			
9 PCB-1262									
1	100		4.477						
1	2		4.908						
1	3		5.172						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.208						
2	9		6.506						
2	10		6.906						
11 PCB-1268									
1	100		5.881						
1	2		5.920						
1	3		6.133						
1	4		6.537						
1	5		6.856						
2	6		6.906						
2	7		6.954						
2	8		7.236						
2	9		7.572						
2	10		7.935						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	69638603	0.0298			
2	2	8.218	8.219	-0.001	43245753	0.0321			
						RPD = 7.36			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

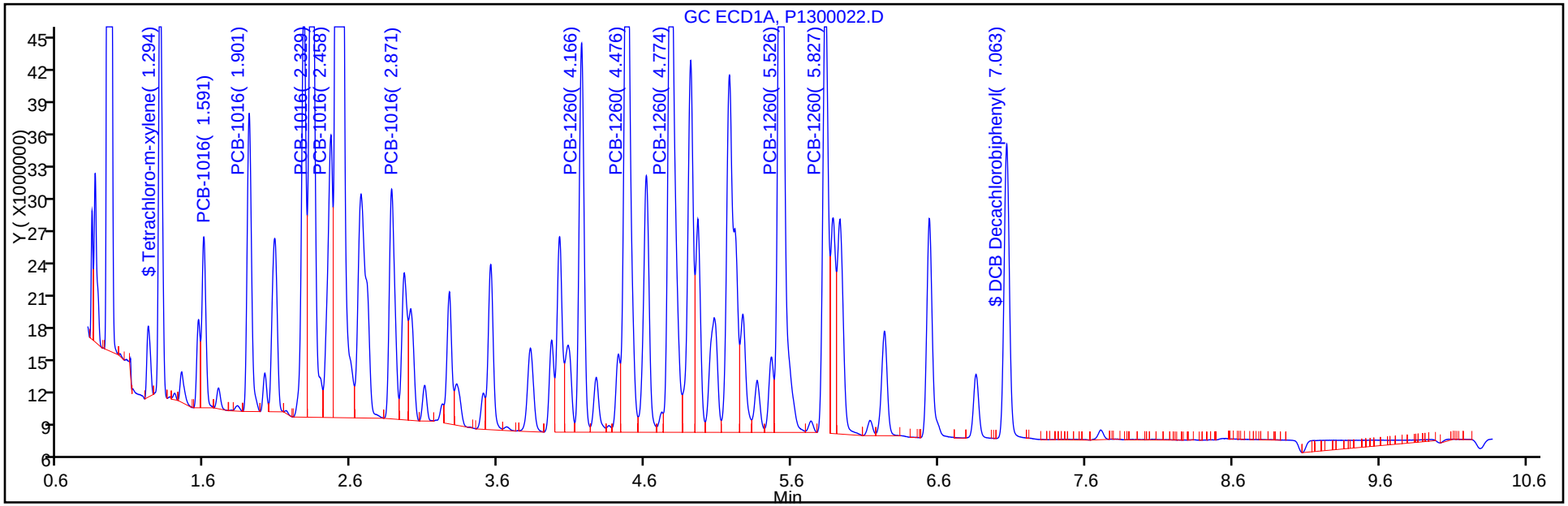
Report Date: 19-Nov-2012 11:08:41 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

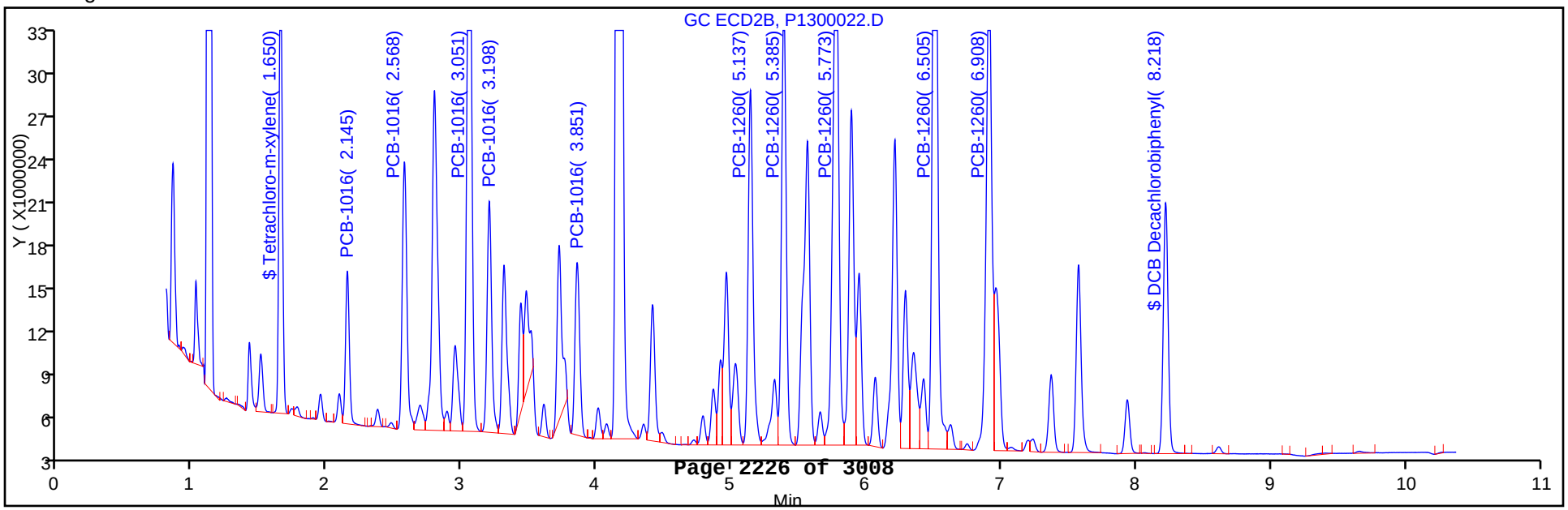
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300022.D

Injection Date:	18-Nov-2012 18:57:15	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0016-0002-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW MS | Lab Sample ID: 240-17477-4 MS

Matrix: Water | Lab File ID: P1300022.D

Analysis Method: 8082/DOD | Date Collected: 11/08/2012 13:25

Extraction Method: 3520C | Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) | Date Analyzed: 11/18/2012 18:57

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.19	U	0.48	0.19	0.12
12674-11-2	Aroclor-1016	4.52		0.48	0.19	0.16
11141-16-5	Aroclor-1232	0.19	U	0.48	0.19	0.15
53469-21-9	Aroclor-1242	0.38	U	0.48	0.38	0.21
12672-29-6	Aroclor-1248	0.19	U	0.48	0.19	0.095
11097-69-1	Aroclor-1254	0.19	U	0.48	0.19	0.15
11096-82-5	Aroclor-1260	4.55		0.48	0.19	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		40-140
2051-24-3	DCB Decachlorobiphenyl	80		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300022.D
Lims ID: 240-17477-F-4-A MS
Client ID: 068SW-0016-0002-SW
Inject. Date: 18-Nov-2012 18:57:15
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0015025-022
Misc. Info.:
Operator:
Instrument ID: A2HP13
Injection Vol: 1.0 uL
ALS Bottle#: 22
Lims Batch ID: 65363
Lims Sample ID: 22
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:36
Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl
Date: 19-Nov-2012 11:06:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.291	0.003	71793068	0.0314			
2	2	1.650	1.647	0.003	54896351	0.0382			
						RPD = 19.39			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100	1.591	1.589	0.002	30221284	0.7433		100.0	
1	2	1.901	1.898	0.003	57692270	0.8027	149.3- 199.3	190.9	
1	3	2.329	2.325	0.004	151526634	0.9762	350.2- 400.2	501.4	
1	4	2.458	2.457	0.001	62394234	0.9678	130.7- 180.7	206.5	
1	5	2.871	2.870	0.001	56190391	0.8282	137.9- 187.9	185.9	
			Average of Peak Amounts =			0.8636			
2	6	2.145	2.143	0.002	20650821	0.9189		100.0	
2	7	2.568	2.568	0.000	43970424	0.9373	176.5- 236.5	212.9	
2	8	3.051	3.050	0.001	102139152	1.12	362.5- 422.5	494.6	
2	9	3.198	3.197	0.001	37427034	0.9667	137.9- 197.9	181.2	
2	10	3.851	3.850	0.001	28972575	0.8033	118.8- 178.8	140.3	
			Average of Peak Amounts =			0.9501			
						RPD = 9.53			
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.166	4.165	0.001	85786344	0.8464		100.0	
1	2	4.476	4.475	0.001	169151992	0.8431	175.1- 225.1	197.2	
1	3	4.774	4.774	0.000	169746030	0.8485	173.2- 223.2	197.9	
1	4	5.526	5.525	0.001	229752082	0.8453	244.1- 294.1	267.8	
1	5	5.827	5.828	-0.001	106265853	0.8228	101.5- 151.5	123.9	
			Average of Peak Amounts =			0.8412			
2	6	5.137	5.136	0.001	61670633	0.9253		100.0	
2	7	5.385	5.384	0.001	73503058	1.00	86.6- 146.6	119.2	
2	8	5.773	5.771	0.002	110649173	0.9471	142.9- 202.9	179.4	
2	9	6.505	6.504	0.001	137976647	0.9697	179.5- 239.5	223.7	
2	10	6.908	6.907	0.001	97047202	0.9319	121.8- 181.8	157.4	
			Average of Peak Amounts =			0.9555			
						RPD = 12.72			
9 PCB-1262									
1	100		4.477						
1	2		4.908						
1	3		5.172						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.208						
2	9		6.506						
2	10		6.906						
11 PCB-1268									
1	100		5.881						
1	2		5.920						
1	3		6.133						
1	4		6.537						
1	5		6.856						
2	6		6.906						
2	7		6.954						
2	8		7.236						
2	9		7.572						
2	10		7.935						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.063	0.000	69638603	0.0298			
2	2	8.218	8.219	-0.001	43245753	0.0321			
						RPD = 7.36			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

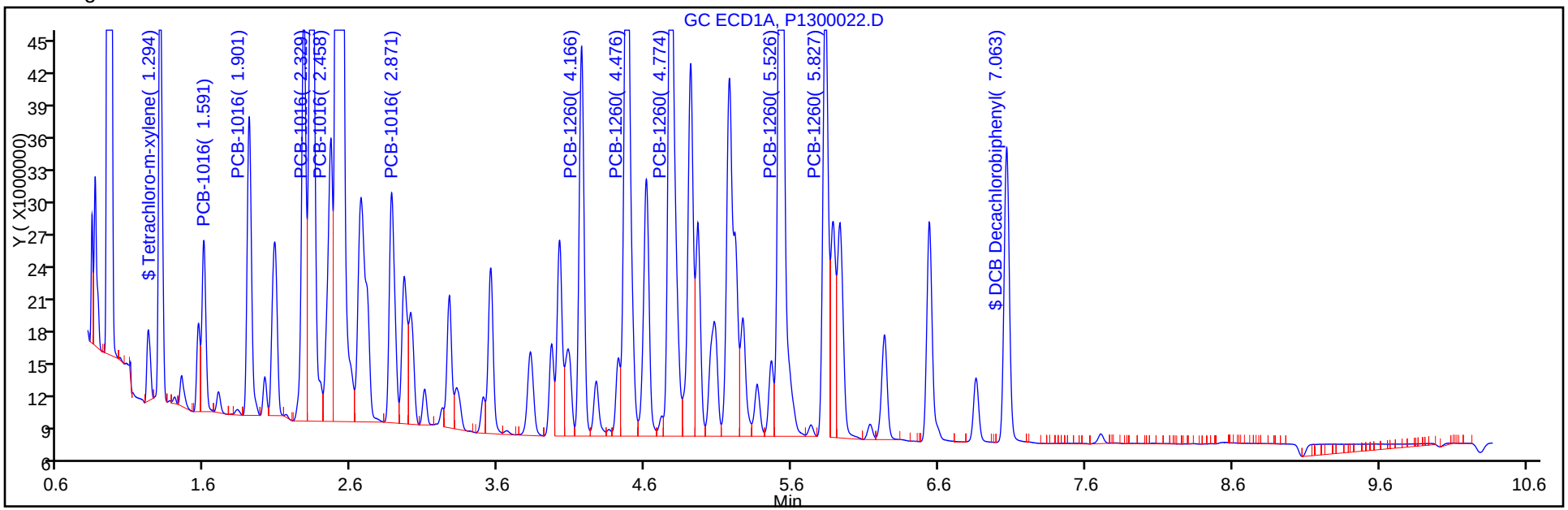
Report Date: 19-Nov-2012 11:08:42 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

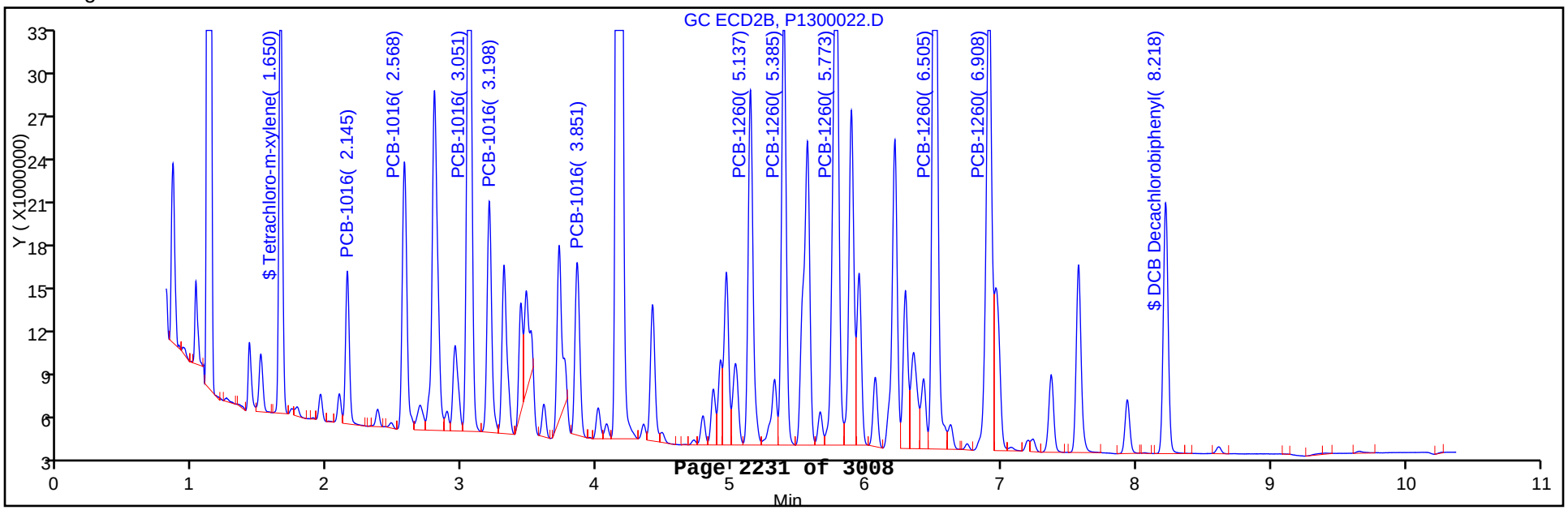
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300022.D

Injection Date:	18-Nov-2012 18:57:15	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0016-0002-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	22
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS Lab Sample ID: 240-17477-6 MS

Matrix: Solid Lab File ID: P1300016.D

Analysis Method: 8082/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 29.65(g) Date Analyzed: 11/27/2012 05:21

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	60		40-140
2051-24-3	DCB Decachlorobiphenyl	60		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300016.D		
Lims ID:	240-17477-A-6-O MS	Client ID:	079SS-0004M-0002-SO
Inject. Date:	27-Nov-2012 05:21:04	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	240-0015278-016		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 1/cm	ALS Bottle#:	16
Lims Batch ID:	66323	Lims Sample ID:	16
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m		
Last Update:	27-Nov-2012 09:54:17	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 27-Nov-2012 09:46:28

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.292	0.002	27485925	0.0120			
2	2	1.650	1.648	0.002	18339429	0.0128			
						RPD = 5.82			
3 PCB-1221									
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									M
1	100	1.593	1.553	0.040	23347946	0.5743		100.0	M
1	2	1.902	1.900	0.002	44504987	0.6192	149.3- 199.3	190.6	
1	3	2.328	2.327	0.001	95640126	0.6162	350.2- 400.2	409.6	
1	4	2.461	2.460	0.001	39746040	0.6165	130.7- 180.7	170.2	
1	5	2.873	2.872	0.001	39253339	0.5785	137.9- 187.9	168.1	
			Average of Peak Amounts =			0.6009			
2	6	2.146	2.145	0.001	15055720	0.6699		100.0	
2	7	2.569	2.567	0.002	29875764	0.6369	176.5- 236.5	198.4	
2	8	3.050	3.050	0.000	66799805	0.7352	362.5- 422.5	443.7	
2	9	3.197	3.197	0.000	25502453	0.6587	137.9- 197.9	169.4	
2	10	3.849	3.850	-0.001	21840063	0.6055	118.8- 178.8	145.1	
			Average of Peak Amounts =			0.6612			
						RPD = 9.56			
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	53597264	0.5288		100.0	
1	2	4.476	4.474	0.002	109372567	0.5451	175.1- 225.1	204.1	
1	3	4.773	4.774	-0.001	110717887	0.5535	173.2- 223.2	206.6	
1	4	5.526	5.526	0.000	147744929	0.5436	244.1- 294.1	275.7	
1	5	5.827	5.828	-0.001	71787162	0.5558	101.5- 151.5	133.9	
			Average of Peak Amounts =			0.5454			
2	6	5.136	5.136	0.000	41587371	0.6240		100.0	
2	7	5.382	5.382	0.000	51095476	0.6843	86.6- 146.6	122.9	
2	8	5.770	5.771	-0.001	77577135	0.6640	142.9- 202.9	186.5	
2	9	6.503	6.503	0.000	99048491	0.6961	179.5- 239.5	238.2	
2	10	6.906	6.906	0.000	69727662	0.6696	121.8- 181.8	167.7	
			Average of Peak Amounts =			0.6676			
						RPD = 20.16			
9 PCB-1262									
1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						
11 PCB-1268									
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.065	-0.002	27930150	0.0120			
2	2	8.217	8.217	0.000	17815767	0.0132			
						RPD = 10.03			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

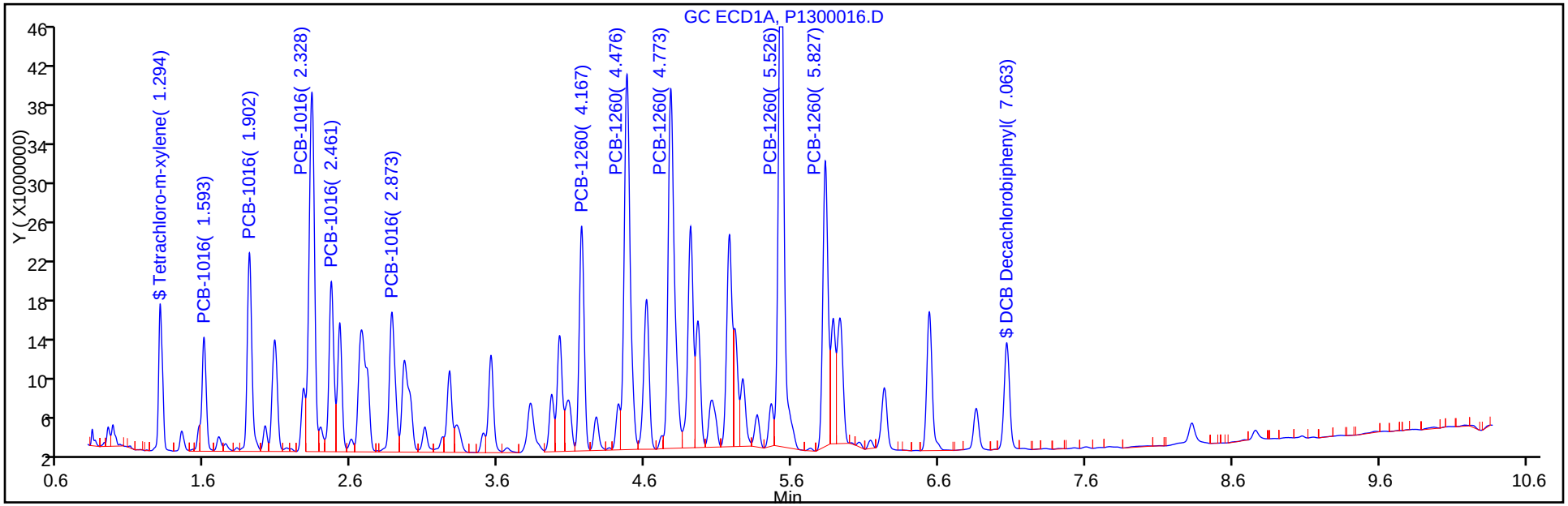
Report Date: 27-Nov-2012 09:54:23 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

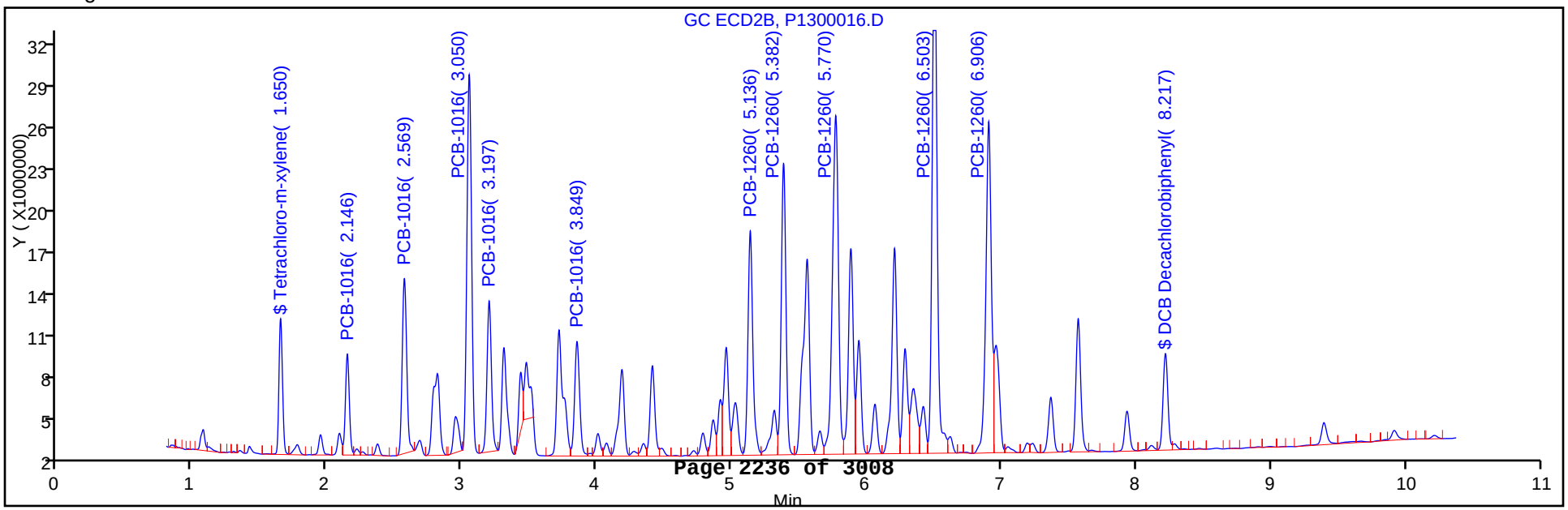
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300016.D

Injection Date:	27-Nov-2012 05:21:04	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



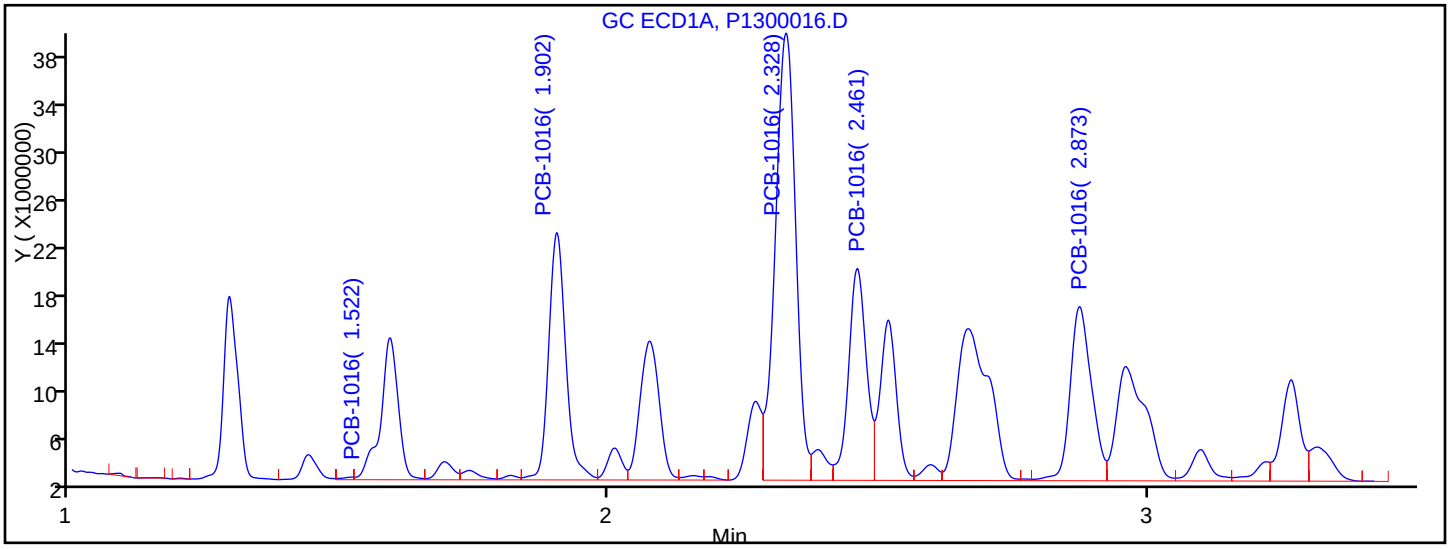
Report Date: 27-Nov-2012 09:54:24 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300016.D

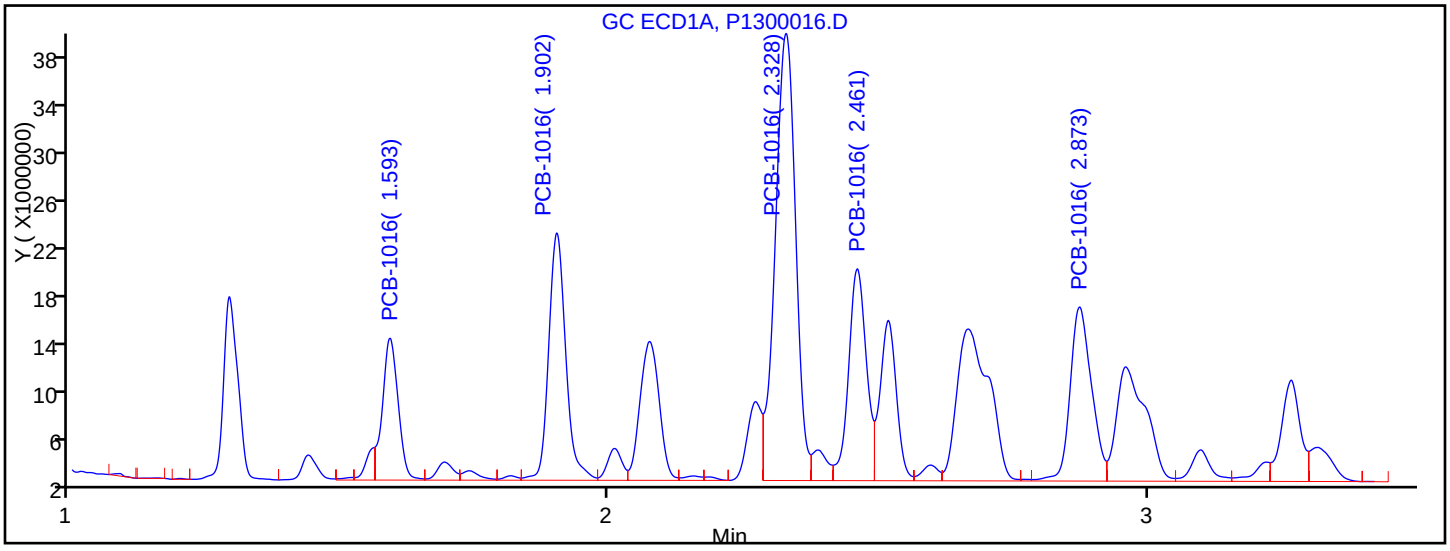
Injection Date:	27-Nov-2012 05:21:04	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.522	Response = 308307	M
RT = 1.902	Response = 44504987	
RT = 2.328	Response = 95640126	
RT = 2.461	Response = 39746040	
RT = 2.873	Response = 39253339	



Manual Integration Results

RT = 1.593	Response = 23347946	M
RT = 1.902	Response = 44504987	
RT = 2.328	Response = 95640126	
RT = 2.461	Response = 39746040	
RT = 2.873	Response = 39253339	

Reviewer: hassl, 27-Nov-2012 09:46:28

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS Lab Sample ID: 240-17477-6 MS

Matrix: Solid Lab File ID: P1300016.D

Analysis Method: 8082/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 29.65(g) Date Analyzed: 11/27/2012 05:21

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	51	25	16
12674-11-2	Aroclor-1016	223		66	25	21
11141-16-5	Aroclor-1232	25	U	46	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	56	25	17
11097-69-1	Aroclor-1254	25	U	56	25	17
11096-82-5	Aroclor-1260	225		56	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64		40-140
2051-24-3	DCB Decachlorobiphenyl	66		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300016.D		
Lims ID:	240-17477-A-6-O MS	Client ID:	079SS-0004M-0002-SO
Inject. Date:	27-Nov-2012 05:21:04	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	240-0015278-016		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 1/cm	ALS Bottle#:	16
Lims Batch ID:	66323	Lims Sample ID:	16
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m		
Last Update:	27-Nov-2012 09:54:17	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		
First Level Reviewer: hassl		Date:	27-Nov-2012 09:46:28

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.292	0.002	27485925	0.0120			
2	2	1.650	1.648	0.002	18339429	0.0128			
						RPD = 5.82			
3 PCB-1221									
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									M
1	100	1.593	1.553	0.040	23347946	0.5743		100.0	M
1	2	1.902	1.900	0.002	44504987	0.6192	149.3- 199.3	190.6	
1	3	2.328	2.327	0.001	95640126	0.6162	350.2- 400.2	409.6	
1	4	2.461	2.460	0.001	39746040	0.6165	130.7- 180.7	170.2	
1	5	2.873	2.872	0.001	39253339	0.5785	137.9- 187.9	168.1	
			Average of Peak Amounts =			0.6009			
2	6	2.146	2.145	0.001	15055720	0.6699		100.0	
2	7	2.569	2.567	0.002	29875764	0.6369	176.5- 236.5	198.4	
2	8	3.050	3.050	0.000	66799805	0.7352	362.5- 422.5	443.7	
2	9	3.197	3.197	0.000	25502453	0.6587	137.9- 197.9	169.4	
2	10	3.849	3.850	-0.001	21840063	0.6055	118.8- 178.8	145.1	
			Average of Peak Amounts =			0.6612			
						RPD = 9.56			
7 PCB-1248									
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.167	0.000	53597264	0.5288		100.0	
1	2	4.476	4.474	0.002	109372567	0.5451	175.1- 225.1	204.1	
1	3	4.773	4.774	-0.001	110717887	0.5535	173.2- 223.2	206.6	
1	4	5.526	5.526	0.000	147744929	0.5436	244.1- 294.1	275.7	
1	5	5.827	5.828	-0.001	71787162	0.5558	101.5- 151.5	133.9	
			Average of Peak Amounts =			0.5454			
2	6	5.136	5.136	0.000	41587371	0.6240		100.0	
2	7	5.382	5.382	0.000	51095476	0.6843	86.6- 146.6	122.9	
2	8	5.770	5.771	-0.001	77577135	0.6640	142.9- 202.9	186.5	
2	9	6.503	6.503	0.000	99048491	0.6961	179.5- 239.5	238.2	
2	10	6.906	6.906	0.000	69727662	0.6696	121.8- 181.8	167.7	
			Average of Peak Amounts =			0.6676			
						RPD = 20.16			
9 PCB-1262									
1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						
11 PCB-1268									
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.063	7.065	-0.002	27930150	0.0120			
2	2	8.217	8.217	0.000	17815767	0.0132			
						RPD = 10.03			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

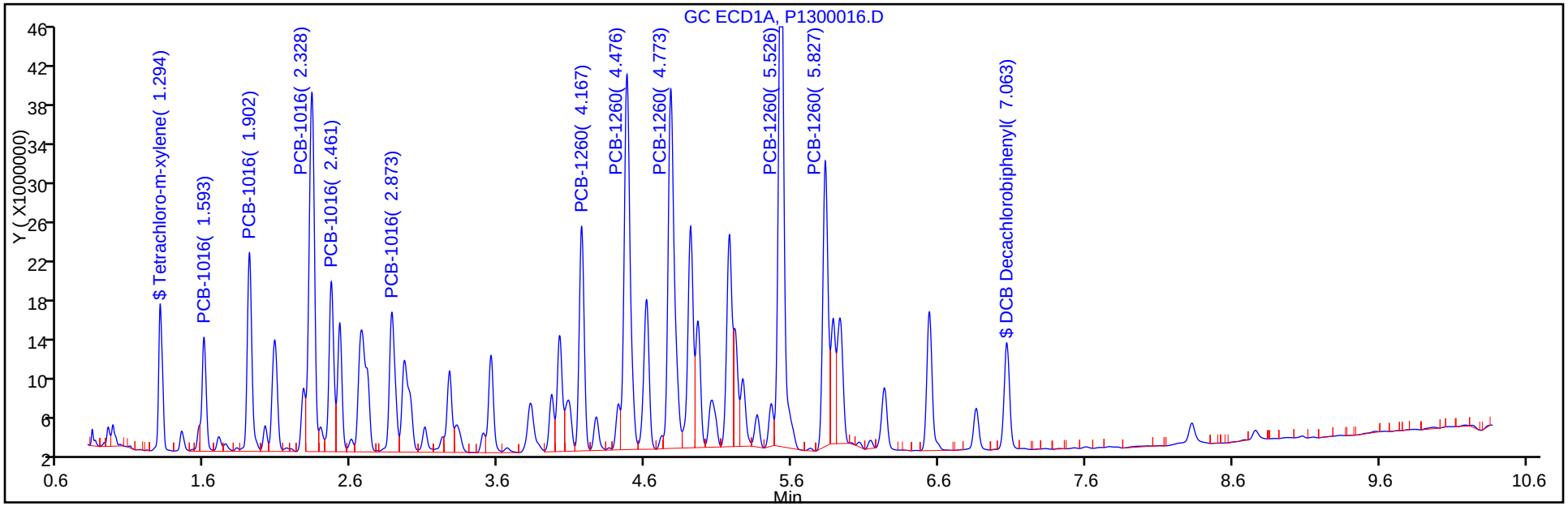
Report Date: 27-Nov-2012 09:54:24 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

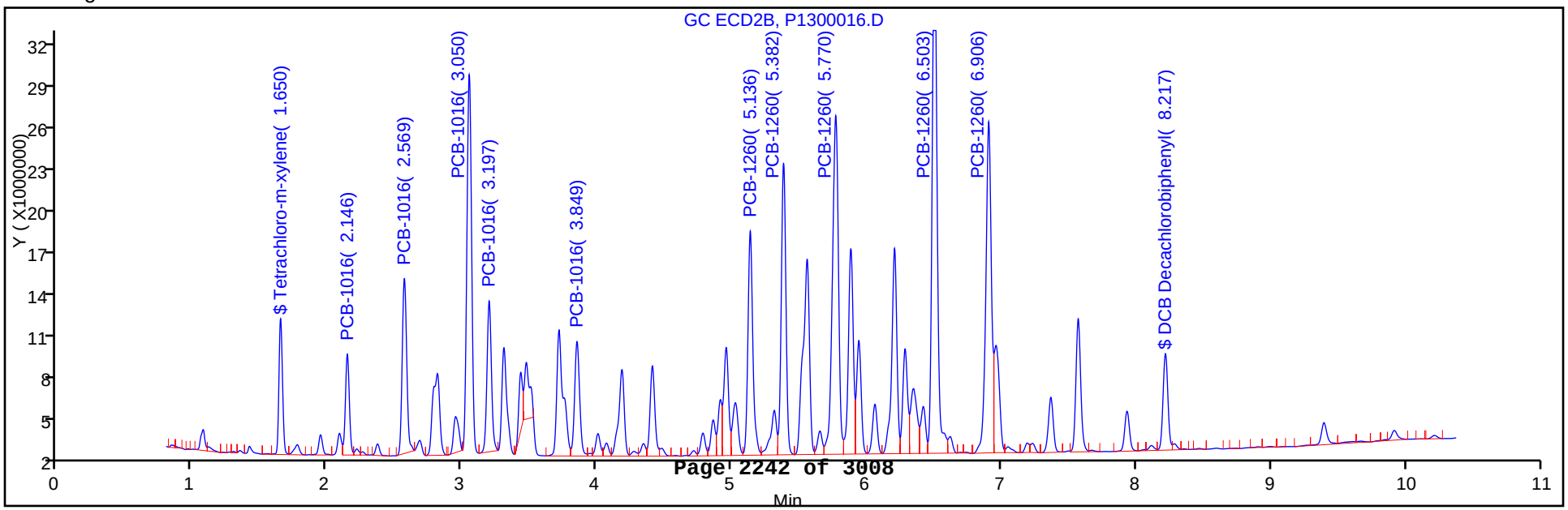
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300016.D

Injection Date:	27-Nov-2012 05:21:04	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	16
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW MSD Lab Sample ID: 240-17477-4 MSD

Matrix: Water Lab File ID: P1300023.D

Analysis Method: 8082/DOD Date Collected: 11/08/2012 13:25

Extraction Method: 3520C Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) Date Analyzed: 11/18/2012 19:12

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		40-140
2051-24-3	DCB Decachlorobiphenyl	62		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300023.D
Lims ID: 240-17477-E-4-A MSD Client ID: 068SW-0016-0002-SW
Inject. Date: 18-Nov-2012 19:12:09 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015025-023
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 23
Lims Batch ID: 65363 Lims Sample ID: 23
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:36 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl Date: 19-Nov-2012 11:07:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.291	0.008	69320952	0.0304			
2	2	1.654	1.647	0.007	54628264	0.0380			
						RPD = 22.37			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100	1.595	1.589	0.006	30228597	0.7435		100.0	
1	2	1.904	1.898	0.006	55605410	0.7736	149.3- 199.3	183.9	
1	3	2.331	2.325	0.006	147690142	0.9515	350.2- 400.2	488.6	
1	4	2.463	2.457	0.006	53804349	0.8345	130.7- 180.7	178.0	
1	5	2.875	2.870	0.005	55246249	0.8143	137.9- 187.9	182.8	
			Average of Peak Amounts =			0.8235			
2	6	2.149	2.143	0.006	20874970	0.9289		100.0	
2	7	2.573	2.568	0.005	43598390	0.9294	176.5- 236.5	208.9	
2	8	3.052	3.050	0.002	99474527	1.09	362.5- 422.5	476.5	
2	9	3.201	3.197	0.004	36897133	0.9530	137.9- 197.9	176.8	
2	10	3.852	3.850	0.002	30695486	0.8511	118.8- 178.8	147.0	
			Average of Peak Amounts =			0.9514			
						RPD = 14.42			
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.165	0.002	83666141	0.8255		100.0	
1	2	4.476	4.475	0.001	164083025	0.8178	175.1- 225.1	196.1	
1	3	4.776	4.774	0.002	164258635	0.8211	173.2- 223.2	196.3	
1	4	5.527	5.525	0.002	215570573	0.7931	244.1- 294.1	257.7	
1	5	5.830	5.828	0.002	98954243	0.7662	101.5- 151.5	118.3	
			Average of Peak Amounts =			0.8047			
2	6	5.137	5.136	0.001	59807316	0.8974		100.0	
2	7	5.385	5.384	0.001	71715857	0.9781	86.6- 146.6	119.9	
2	8	5.773	5.771	0.002	108315599	0.9271	142.9- 202.9	181.1	
2	9	6.505	6.504	0.001	129294269	0.9087	179.5- 239.5	216.2	
2	10	6.909	6.907	0.002	90083037	0.8651	121.8- 181.8	150.6	
			Average of Peak Amounts =			0.9153			
						RPD = 12.85			
9 PCB-1262									
1	100		4.477						
1	2		4.908						
1	3		5.172						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.208						
2	9		6.506						
2	10		6.906						
11 PCB-1268									
1	100		5.881						
1	2		5.920						
1	3		6.133						
1	4		6.537						
1	5		6.856						
2	6		6.906						
2	7		6.954						
2	8		7.236						
2	9		7.572						
2	10		7.935						
$ 12 DCB Decachlorobiphenyl									
1	100	7.064	7.063	0.001	58334626	0.0250			
2	2	8.219	8.219	0.000	36486937	0.0271			
						RPD = 8.08			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

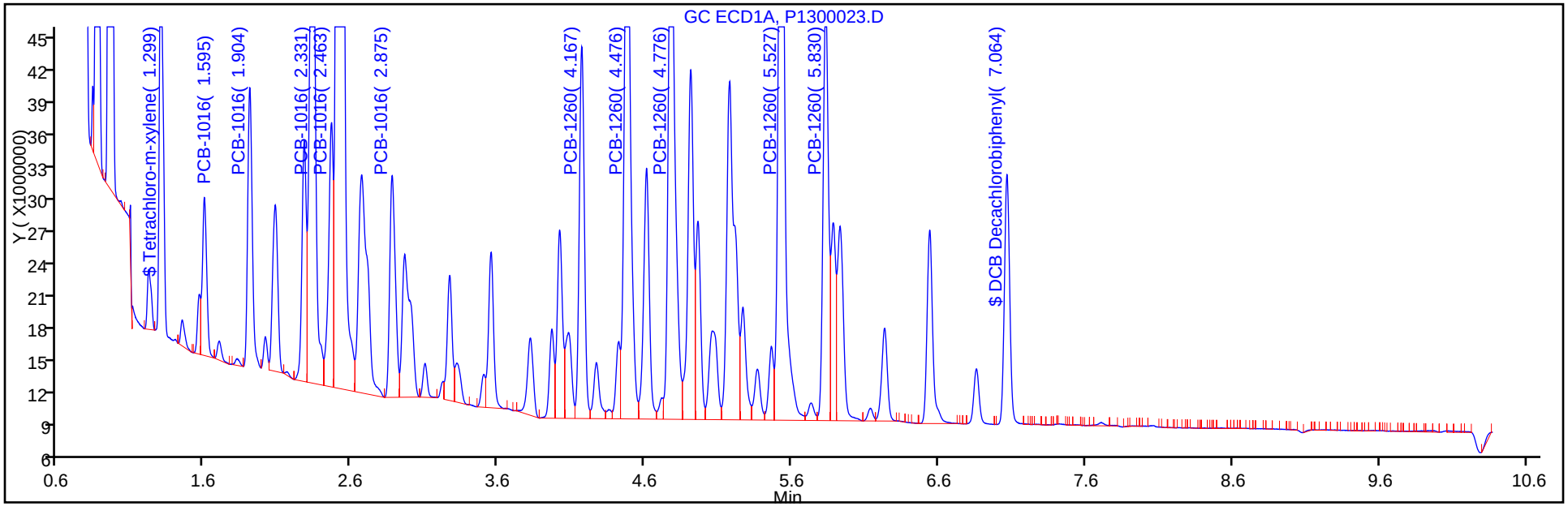
Report Date: 19-Nov-2012 11:08:40 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

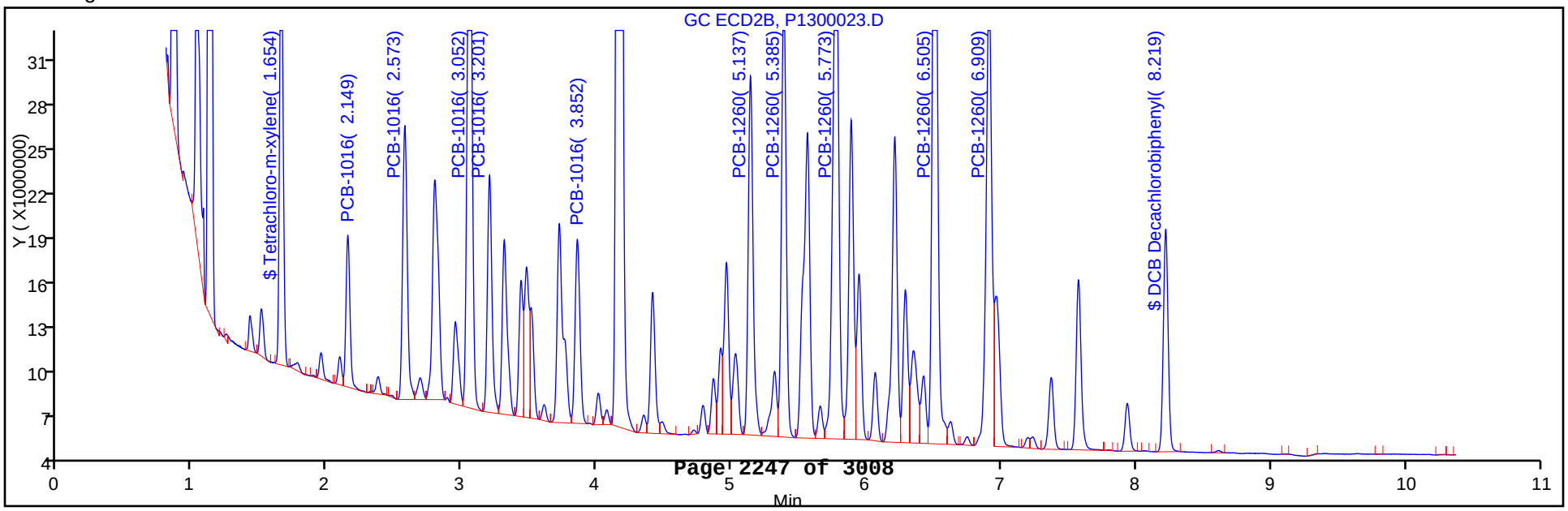
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300023.D

Injection Date:	18-Nov-2012 19:12:09	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0016-0002-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17477-1

SDG No.:

Client Sample ID: 068SW-0016-0001-SW MSD | Lab Sample ID: 240-17477-4 MSD

Matrix: Water | Lab File ID: P1300023.D

Analysis Method: 8082/DOD | Date Collected: 11/08/2012 13:25

Extraction Method: 3520C | Date Extracted: 11/13/2012 09:55

Sample wt/vol: 1050(mL) | Date Analyzed: 11/18/2012 19:12

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 65363 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	0.19	U	0.48	0.19	0.12
12674-11-2	Aroclor-1016	4.53		0.48	0.19	0.16
11141-16-5	Aroclor-1232	0.19	U	0.48	0.19	0.15
53469-21-9	Aroclor-1242	0.38	U	0.48	0.38	0.21
12672-29-6	Aroclor-1248	0.19	U	0.48	0.19	0.095
11097-69-1	Aroclor-1254	0.19	U	0.48	0.19	0.15
11096-82-5	Aroclor-1260	4.36		0.48	0.19	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95		40-140
2051-24-3	DCB Decachlorobiphenyl	68		40-135

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300023.D
Lims ID: 240-17477-E-4-A MSD Client ID: 068SW-0016-0002-SW
Inject. Date: 18-Nov-2012 19:12:09 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015025-023
Misc. Info.:
Operator: Instrument ID: A2HP13
Injection Vol: 1.0 uL ALS Bottle#: 23
Lims Batch ID: 65363 Lims Sample ID: 23
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121116-15025.b\PCB13.m
Last Update: 19-Nov-2012 11:08:36 Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK012

First Level Reviewer: hassl Date: 19-Nov-2012 11:07:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.299	1.291	0.008	69320952	0.0304			
2	2	1.654	1.647	0.007	54628264	0.0380			
						RPD = 22.37			
3 PCB-1221									1
1	2		1.440						
1	3		1.591						
1	4		1.590						
2	4		1.947						
2	5		2.087						
2	6		2.146						
5 PCB-1242									
1	100		1.591						
1	2		1.899						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.144						
2	7		2.568						
2	8		3.050						
2	9		3.197						
2	10		3.717						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
4 PCB-1232									
1	100		1.591						
1	2		1.900						
1	3		2.327						
1	4		2.458						
1	5		2.872						
2	6		2.144						
2	7		2.567						
2	8		3.051						
2	9		3.198						
2	10		3.851						
6 PCB-1016									
1	100	1.595	1.589	0.006	30228597	0.7435		100.0	
1	2	1.904	1.898	0.006	55605410	0.7736	149.3- 199.3	183.9	
1	3	2.331	2.325	0.006	147690142	0.9515	350.2- 400.2	488.6	
1	4	2.463	2.457	0.006	53804349	0.8345	130.7- 180.7	178.0	
1	5	2.875	2.870	0.005	55246249	0.8143	137.9- 187.9	182.8	
			Average of Peak Amounts =			0.8235			
2	6	2.149	2.143	0.006	20874970	0.9289		100.0	
2	7	2.573	2.568	0.005	43598390	0.9294	176.5- 236.5	208.9	
2	8	3.052	3.050	0.002	99474527	1.09	362.5- 422.5	476.5	
2	9	3.201	3.197	0.004	36897133	0.9530	137.9- 197.9	176.8	
2	10	3.852	3.850	0.002	30695486	0.8511	118.8- 178.8	147.0	
			Average of Peak Amounts =			0.9514			
						RPD = 14.42			
7 PCB-1248									
1	86		1.899						
1	2		2.323						
1	3		2.871						
1	4		3.495						
1	5		3.961						
2	6		2.566						
2	7		3.049						
2	8		3.717						
2	9		3.850						
2	10		4.915						
8 PCB-1254									
1	100		3.548						
1	2		3.963						
1	3		4.267						
1	4		4.473						
1	5		4.776						
2	6		4.411						
2	7		4.915						
2	8		5.176						
2	9		5.558						
2	10		5.775						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									
1	100	4.167	4.165	0.002	83666141	0.8255		100.0	
1	2	4.476	4.475	0.001	164083025	0.8178	175.1- 225.1	196.1	
1	3	4.776	4.774	0.002	164258635	0.8211	173.2- 223.2	196.3	
1	4	5.527	5.525	0.002	215570573	0.7931	244.1- 294.1	257.7	
1	5	5.830	5.828	0.002	98954243	0.7662	101.5- 151.5	118.3	
			Average of Peak Amounts =			0.8047			
2	6	5.137	5.136	0.001	59807316	0.8974		100.0	
2	7	5.385	5.384	0.001	71715857	0.9781	86.6- 146.6	119.9	
2	8	5.773	5.771	0.002	108315599	0.9271	142.9- 202.9	181.1	
2	9	6.505	6.504	0.001	129294269	0.9087	179.5- 239.5	216.2	
2	10	6.909	6.907	0.002	90083037	0.8651	121.8- 181.8	150.6	
			Average of Peak Amounts =			0.9153			
						RPD = 12.85			
9 PCB-1262									
1	100		4.477						
1	2		4.908						
1	3		5.172						
1	4		5.525						
1	5		5.881						
2	6		5.384						
2	7		5.883						
2	8		6.208						
2	9		6.506						
2	10		6.906						
11 PCB-1268									
1	100		5.881						
1	2		5.920						
1	3		6.133						
1	4		6.537						
1	5		6.856						
2	6		6.906						
2	7		6.954						
2	8		7.236						
2	9		7.572						
2	10		7.935						
$ 12 DCB Decachlorobiphenyl									
1	100	7.064	7.063	0.001	58334626	0.0250			
2	2	8.219	8.219	0.000	36486937	0.0271			
						RPD = 8.08			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

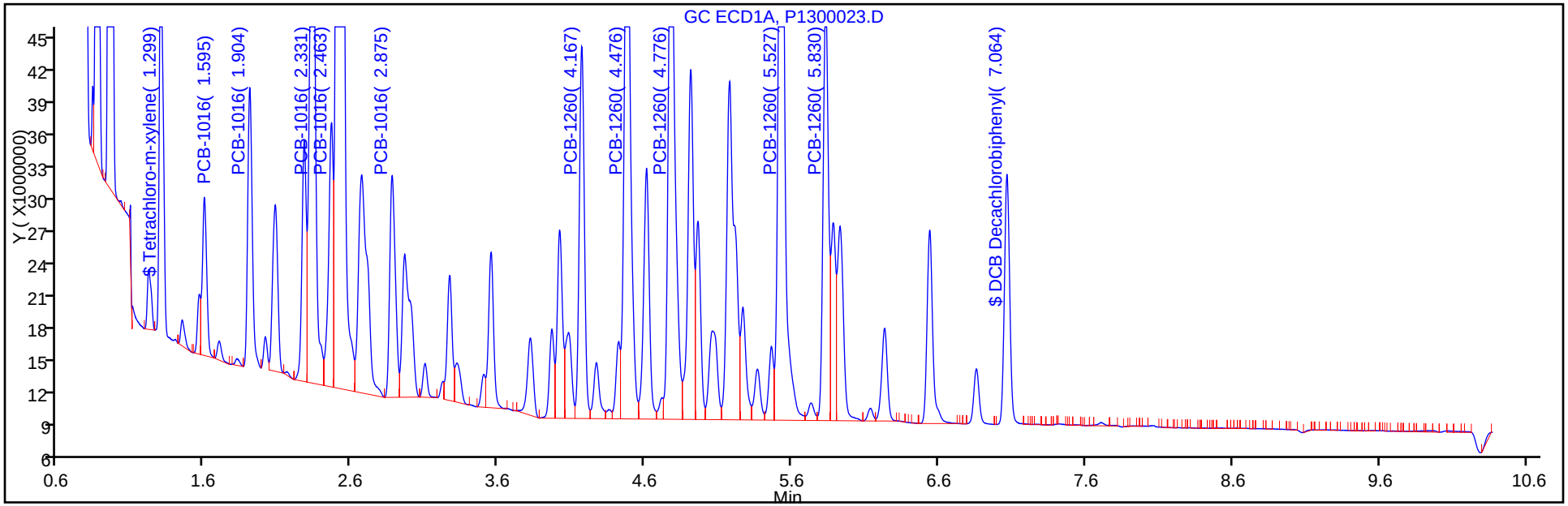
Report Date: 19-Nov-2012 11:08:40 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

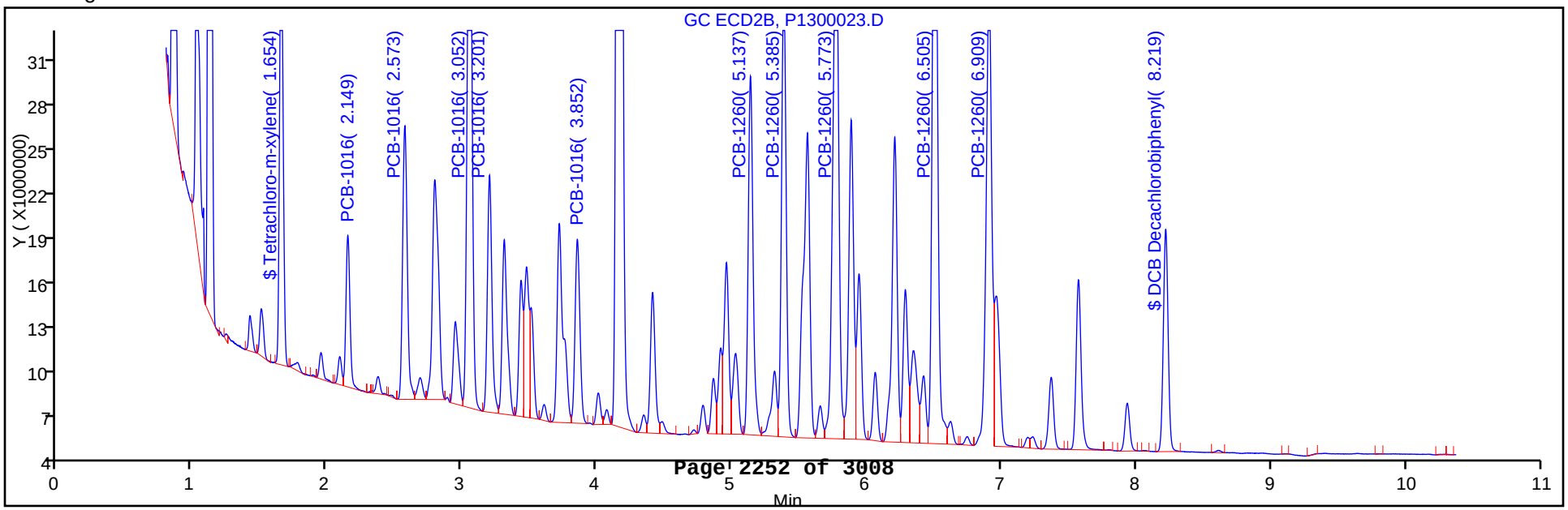
Data File: \\NCChrom\ChromData\A2HP13\20121116-15025.b\P1300023.D

Injection Date:	18-Nov-2012 19:12:09	Limit Group:	GC 8082A ICAL
Client ID:	068SW-0016-0002-SW	Instrument ID:	A2HP13
Lims Batch ID:	65363	Lims Sample ID:	23
Operator ID:		Injection Vol:	1.0 uL
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD Lab Sample ID: 240-17477-6 MSD

Matrix: Solid Lab File ID: P1300017.D

Analysis Method: 8082/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 29.69(g) Date Analyzed: 11/27/2012 05:35

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68		40-140
2051-24-3	DCB Decachlorobiphenyl	70		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300017.D
Lims ID: 240-17477-A-6-P MSD
Client ID: 079SS-0004M-0002-SO
Inject. Date: 27-Nov-2012 05:35:58
Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015278-017
Misc. Info.:
Operator:
Instrument ID: A2HP13
Injection Vol: 1.0 1/cm
ALS Bottle#: 17
Lims Batch ID: 66323
Lims Sample ID: 17
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m
Last Update: 27-Nov-2012 09:54:17
Calib Date: 22-Oct-2012 03:04:38
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D
Limit Group: GC 8082A ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK003

First Level Reviewer: hassl
Date: 27-Nov-2012 09:45:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.292	0.002	30985863	0.0136			
2	2	1.651	1.648	0.003	20465569	0.0142			
						RPD = 4.80			
3 PCB-1221									1
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									M
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									M
1	100	1.592	1.553	0.039	27529527	0.6771		100.0	M
1	2	1.902	1.900	0.002	48629380	0.6766	149.3- 199.3	176.6	
1	3	2.327	2.327	0.000	110173002	0.7098	350.2- 400.2	400.2	
1	4	2.460	2.460	0.000	45037297	0.6986	130.7- 180.7	163.6	
1	5	2.872	2.872	0.000	44096322	0.6499	137.9- 187.9	160.2	
			Average of Peak Amounts =			0.6824			
2	6	2.145	2.145	0.000	16832028	0.7490		100.0	
2	7	2.569	2.567	0.002	33730302	0.7190	176.5- 236.5	200.4	
2	8	3.050	3.050	0.000	77221562	0.8499	362.5- 422.5	458.8	
2	9	3.198	3.197	0.001	29036713	0.7500	137.9- 197.9	172.5	
2	10	3.849	3.850	-0.001	24754803	0.6863	118.8- 178.8	147.1	
			Average of Peak Amounts =			0.7509			
						RPD = 9.55			
7 PCB-1248									M
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									M
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	4.167	4.167	0.000	61397204	0.6058		100.0	M
1	2	4.475	4.474	0.001	126114338	0.6286	175.1- 225.1	205.4	M
1	3	4.775	4.774	0.001	129571970	0.6477	173.2- 223.2	211.0	M
1	4	5.527	5.526	0.001	174399946	0.6416	244.1- 294.1	284.1	M
1	5	5.828	5.828	0.000	85716103	0.6637	101.5- 151.5	139.6	M
			Average of Peak Amounts =			0.6375			
2	6	5.136	5.136	0.000	47371750	0.7108		100.0	
2	7	5.383	5.382	0.001	58805897	0.7942	86.6- 146.6	124.1	
2	8	5.772	5.771	0.001	90210544	0.7721	142.9- 202.9	190.4	
2	9	6.504	6.503	0.001	116767823	0.8206	179.5- 239.5	246.5	
2	10	6.906	6.906	0.000	81774524	0.7853	121.8- 181.8	172.6	
			Average of Peak Amounts =			0.7766			
						RPD = 19.68			
9 PCB-1262									M
1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						
11 PCB-1268									M
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.064	7.065	-0.001	32613103	0.0140			
2	2	8.217	8.217	0.000	20951389	0.0156			
						RPD = 10.74			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

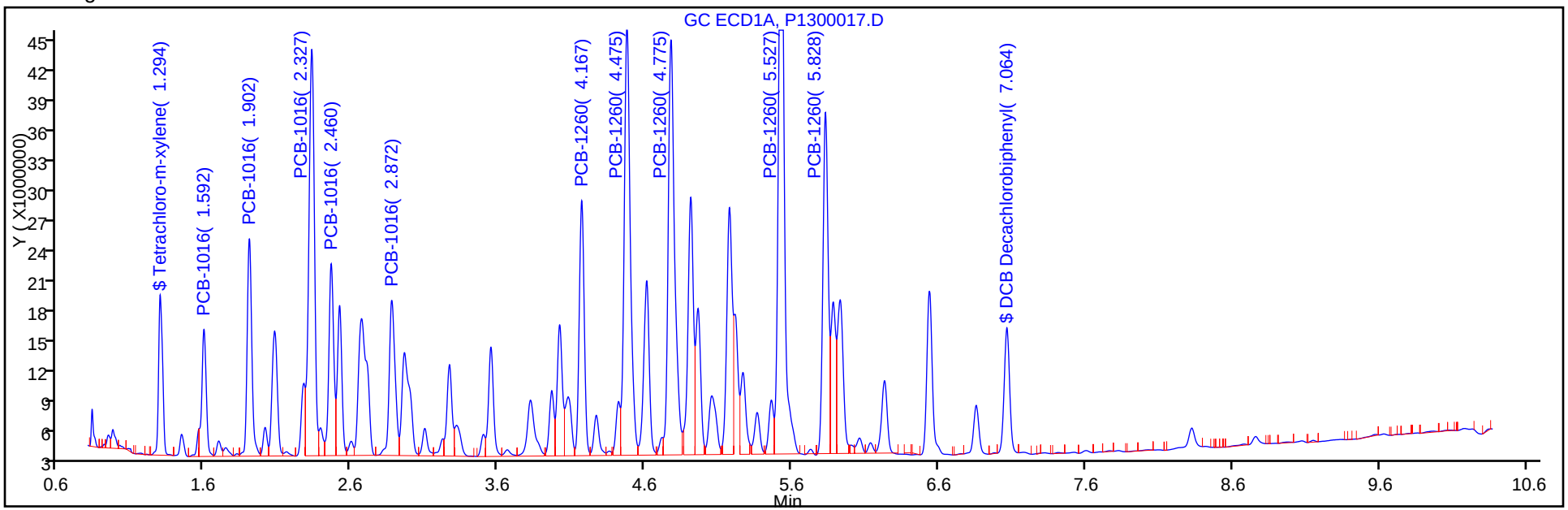
Report Date: 27-Nov-2012 09:54:25 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

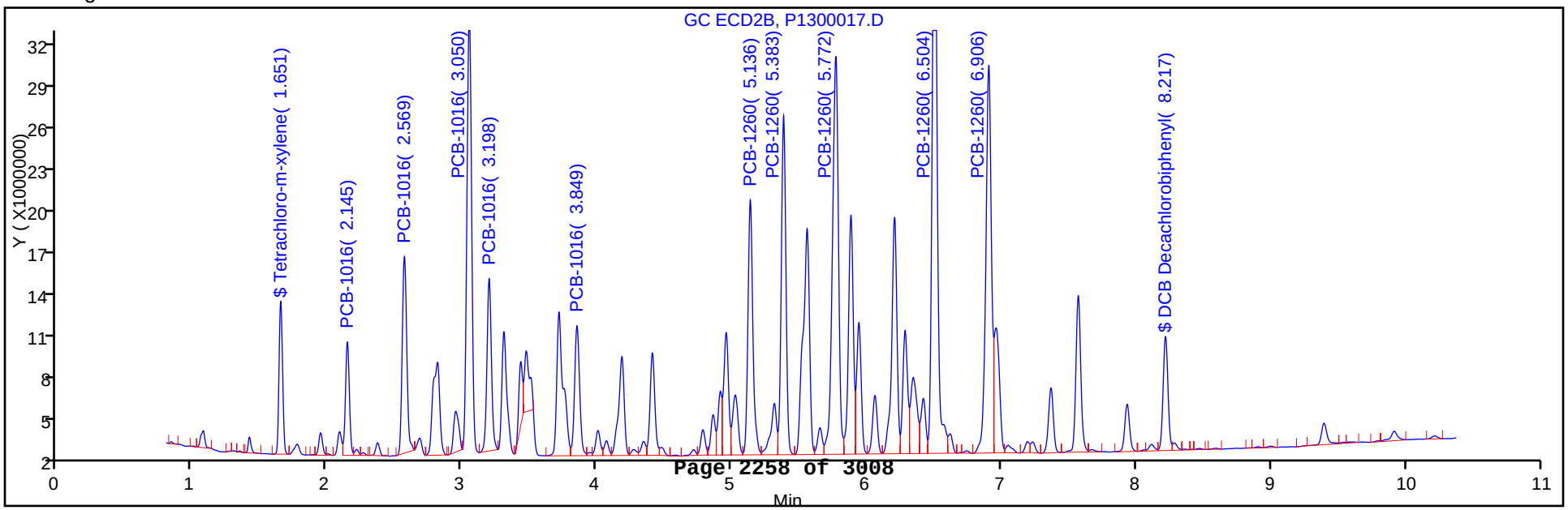
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300017.D

Injection Date:	27-Nov-2012 05:35:58	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



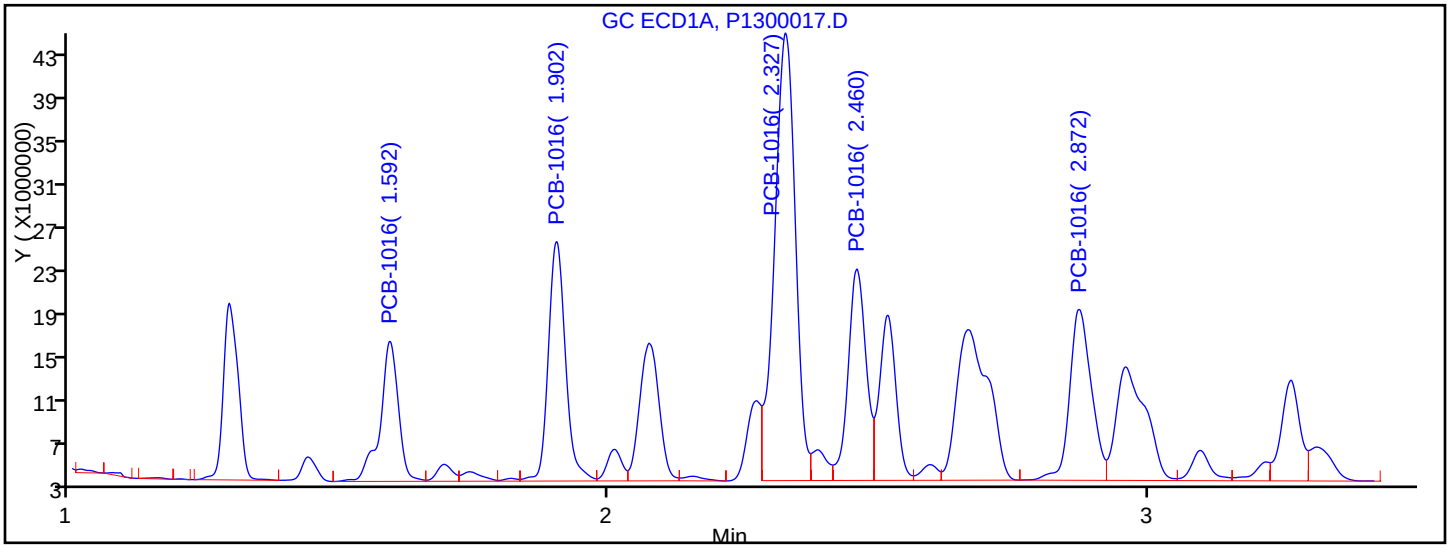
Report Date: 27-Nov-2012 09:54:25 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300017.D

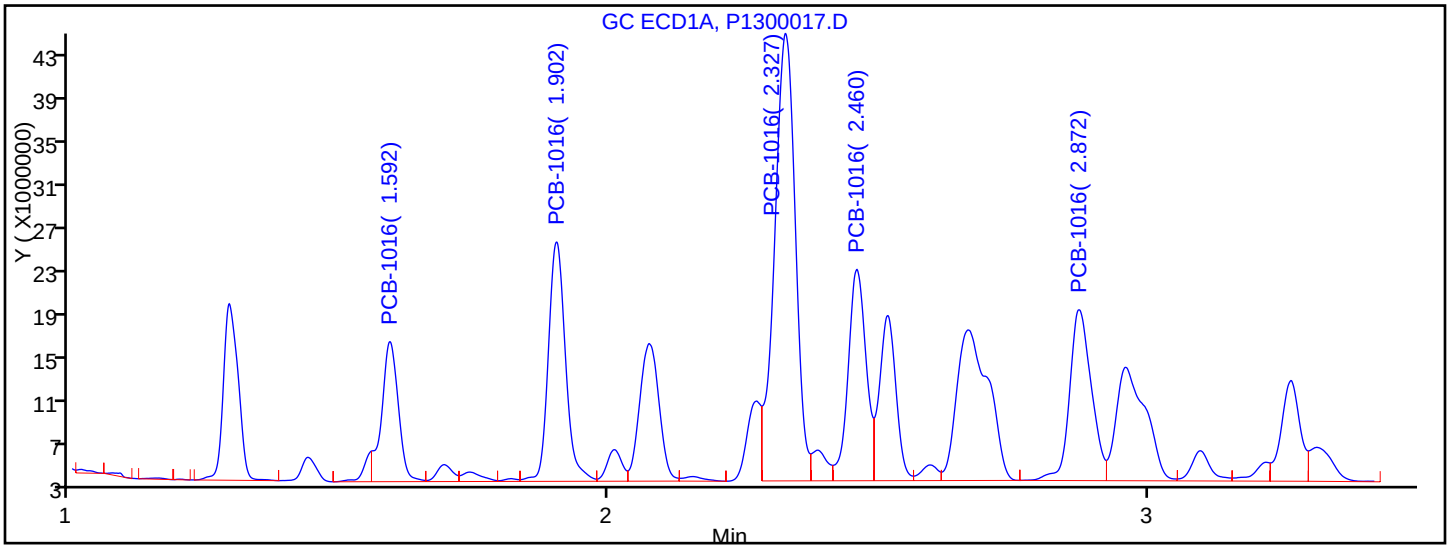
Injection Date:	27-Nov-2012 05:35:58	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

6 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 1.592	Response = 30195927	M
RT = 1.902	Response = 48629380	
RT = 2.327	Response = 110173002	
RT = 2.460	Response = 45037297	
RT = 2.872	Response = 44096322	



Manual Integration Results

RT = 1.592	Response = 27529527	M
RT = 1.902	Response = 48629380	
RT = 2.327	Response = 110173002	
RT = 2.460	Response = 45037297	
RT = 2.872	Response = 44096322	

Reviewer: hassl, 27-Nov-2012 09:45:46

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

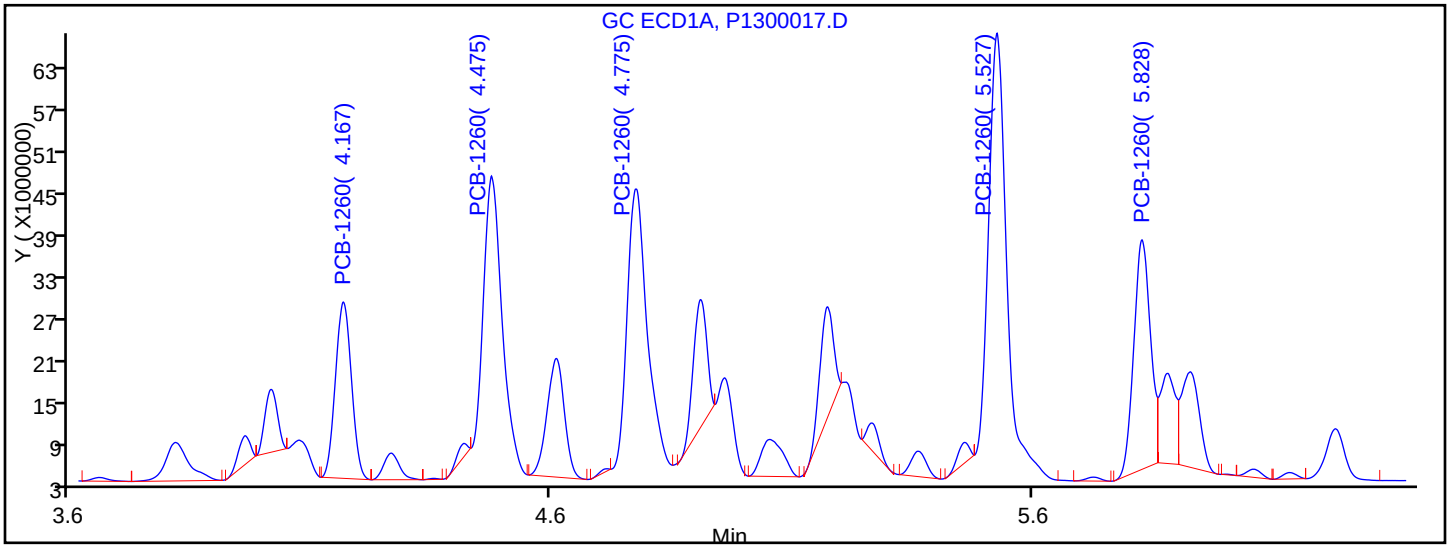
Report Date: 27-Nov-2012 09:54:25 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300017.D

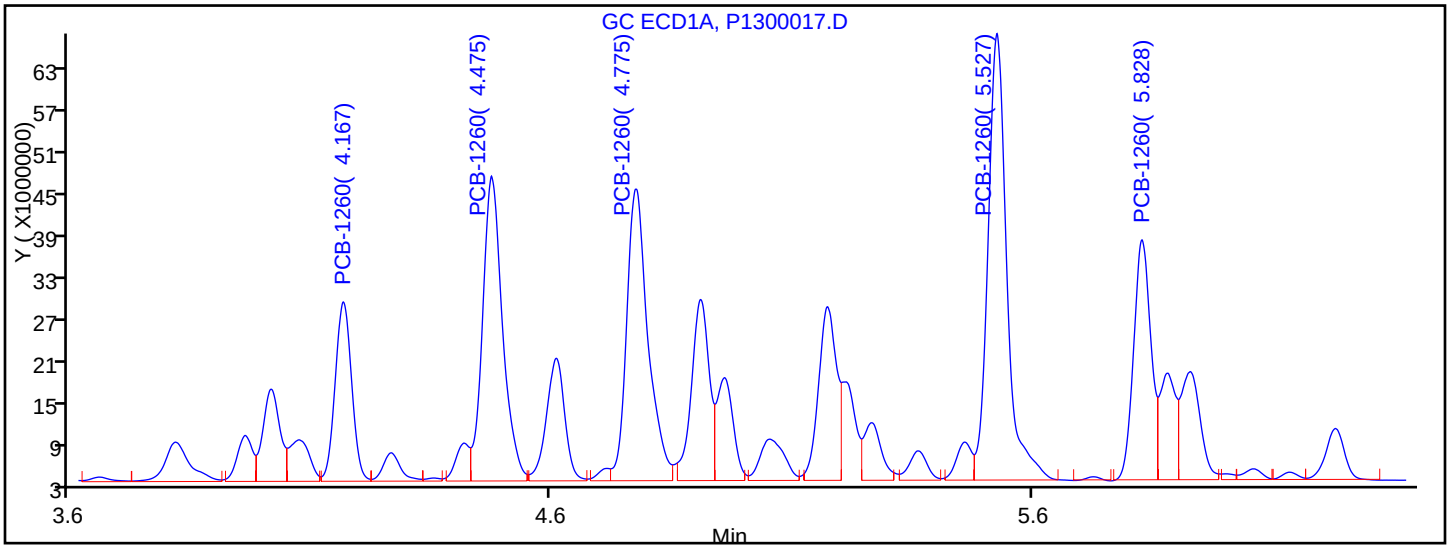
Injection Date:	27-Nov-2012 05:35:58	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

10 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 4.167	Response = 58625808	M
RT = 4.475	Response = 106131279	M
RT = 4.775	Response = 114195331	M
RT = 5.527	Response = 155837559	M
RT = 5.828	Response = 79285058	M



Manual Integration Results

RT = 4.167	Response = 61397204	M
RT = 4.475	Response = 126114338	M
RT = 4.775	Response = 129571970	M
RT = 5.527	Response = 174399946	M
RT = 5.828	Response = 85716103	M

Reviewer: hassl, 27-Nov-2012 09:45:46

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD Lab Sample ID: 240-17477-6 MSD

Matrix: Solid Lab File ID: P1300017.D

Analysis Method: 8082/DOD Date Collected: 11/09/2012 11:10

Extraction Method: 3540C Date Extracted: 11/20/2012 11:06

Sample wt/vol: 29.69(g) Date Analyzed: 11/27/2012 05:35

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(1/cm) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66323 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
11104-28-2	Aroclor-1221	25	U	51	25	16
12674-11-2	Aroclor-1016	253		66	25	21
11141-16-5	Aroclor-1232	25	U	45	25	14
53469-21-9	Aroclor-1242	25	U	40	25	13
12672-29-6	Aroclor-1248	25	U	56	25	17
11097-69-1	Aroclor-1254	25	U	56	25	17
11096-82-5	Aroclor-1260	262		56	25	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		40-140
2051-24-3	DCB Decachlorobiphenyl	78		60-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300017.D		
Lims ID:	240-17477-A-6-P MSD	Client ID:	079SS-0004M-0002-SO
Inject. Date:	27-Nov-2012 05:35:58	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	240-0015278-017		
Misc. Info.:			
Operator:		Instrument ID:	A2HP13
Injection Vol:	1.0 1/cm	ALS Bottle#:	17
Lims Batch ID:	66323	Lims Sample ID:	17
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\NCChrom\ChromData\A2HP13\20121126-15278.b\PCB13.m		
Last Update:	27-Nov-2012 09:54:17	Calib Date:	22-Oct-2012 03:04:38
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A2HP13\20121019-14228.b\P1300044.D		
Limit Group:	GC 8082A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK003		

First Level Reviewer: hassl Date: 27-Nov-2012 09:45:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 Polychlorinated biphenyls, Total									7
1	100		1.000						
$ 2 Tetrachloro-m-xylene									
1	44	1.294	1.292	0.002	30985863	0.0136			
2	2	1.651	1.648	0.003	20465569	0.0142			
						RPD = 4.80			
3 PCB-1221									1
1	2		1.441						
1	3		1.593						
1	4		1.555						
2	4		1.946						
2	5		2.086						
2	6		2.146						
4 PCB-1232									M
1	100		1.557						
1	2		1.900						
1	3		2.327						
1	4		2.459						
1	5		2.872						
2	6		2.145						
2	7		2.567						
2	8		3.050						
2	9		3.198						
2	10		3.851						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 PCB-1242									M
1	100		1.591						
1	2		1.901						
1	3		2.328						
1	4		2.459						
1	5		2.873						
2	6		2.145						
2	7		2.568						
2	8		3.050						
2	9		3.198						
2	10		3.716						
6 PCB-1016									M
1	100	1.592	1.553	0.039	27529527	0.6771		100.0	M
1	2	1.902	1.900	0.002	48629380	0.6766	149.3- 199.3	176.6	
1	3	2.327	2.327	0.000	110173002	0.7098	350.2- 400.2	400.2	
1	4	2.460	2.460	0.000	45037297	0.6986	130.7- 180.7	163.6	
1	5	2.872	2.872	0.000	44096322	0.6499	137.9- 187.9	160.2	
			Average of Peak Amounts =			0.6824			
2	6	2.145	2.145	0.000	16832028	0.7490		100.0	
2	7	2.569	2.567	0.002	33730302	0.7190	176.5- 236.5	200.4	
2	8	3.050	3.050	0.000	77221562	0.8499	362.5- 422.5	458.8	
2	9	3.198	3.197	0.001	29036713	0.7500	137.9- 197.9	172.5	
2	10	3.849	3.850	-0.001	24754803	0.6863	118.8- 178.8	147.1	
			Average of Peak Amounts =			0.7509			
						RPD = 9.55			
7 PCB-1248									M
1	86		1.899						
1	2		2.326						
1	3		2.872						
1	4		3.494						
1	5		3.963						
2	6		2.567						
2	7		3.048						
2	8		3.717						
2	9		3.848						
2	10		4.913						
8 PCB-1254									M
1	100		3.547						
1	2		3.962						
1	3		4.267						
1	4		4.474						
1	5		4.776						
2	6		4.409						
2	7		4.913						
2	8		5.176						
2	9		5.557						
2	10		5.774						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
10 PCB-1260									M
1	100	4.167	4.167	0.000	61397204	0.6058		100.0	M
1	2	4.475	4.474	0.001	126114338	0.6286	175.1- 225.1	205.4	M
1	3	4.775	4.774	0.001	129571970	0.6477	173.2- 223.2	211.0	M
1	4	5.527	5.526	0.001	174399946	0.6416	244.1- 294.1	284.1	M
1	5	5.828	5.828	0.000	85716103	0.6637	101.5- 151.5	139.6	M
			Average of Peak Amounts =			0.6375			
2	6	5.136	5.136	0.000	47371750	0.7108		100.0	
2	7	5.383	5.382	0.001	58805897	0.7942	86.6- 146.6	124.1	
2	8	5.772	5.771	0.001	90210544	0.7721	142.9- 202.9	190.4	
2	9	6.504	6.503	0.001	116767823	0.8206	179.5- 239.5	246.5	
2	10	6.906	6.906	0.000	81774524	0.7853	121.8- 181.8	172.6	
			Average of Peak Amounts =			0.7766			
						RPD = 19.68			
9 PCB-1262									M
1	100		4.477						
1	2		4.910						
1	3		5.174						
1	4		5.526						
1	5		5.882						
2	6		5.383						
2	7		5.883						
2	8		6.206						
2	9		6.503						
2	10		6.905						
11 PCB-1268									M
1	100		5.884						
1	2		5.920						
1	3		6.135						
1	4		6.539						
1	5		6.857						
2	6		6.904						
2	7		6.954						
2	8		7.233						
2	9		7.571						
2	10		7.932						
$ 12 DCB Decachlorobiphenyl									
1	100	7.064	7.065	-0.001	32613103	0.0140			
2	2	8.217	8.217	0.000	20951389	0.0156			
						RPD = 10.74			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

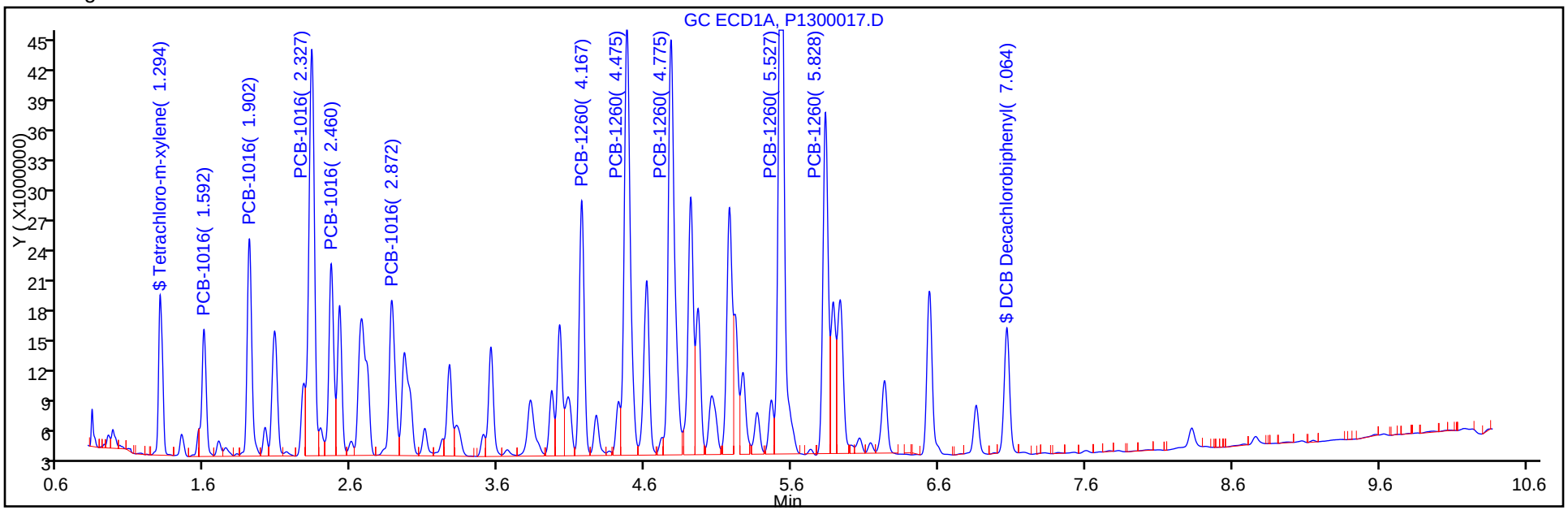
Report Date: 27-Nov-2012 09:54:25 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

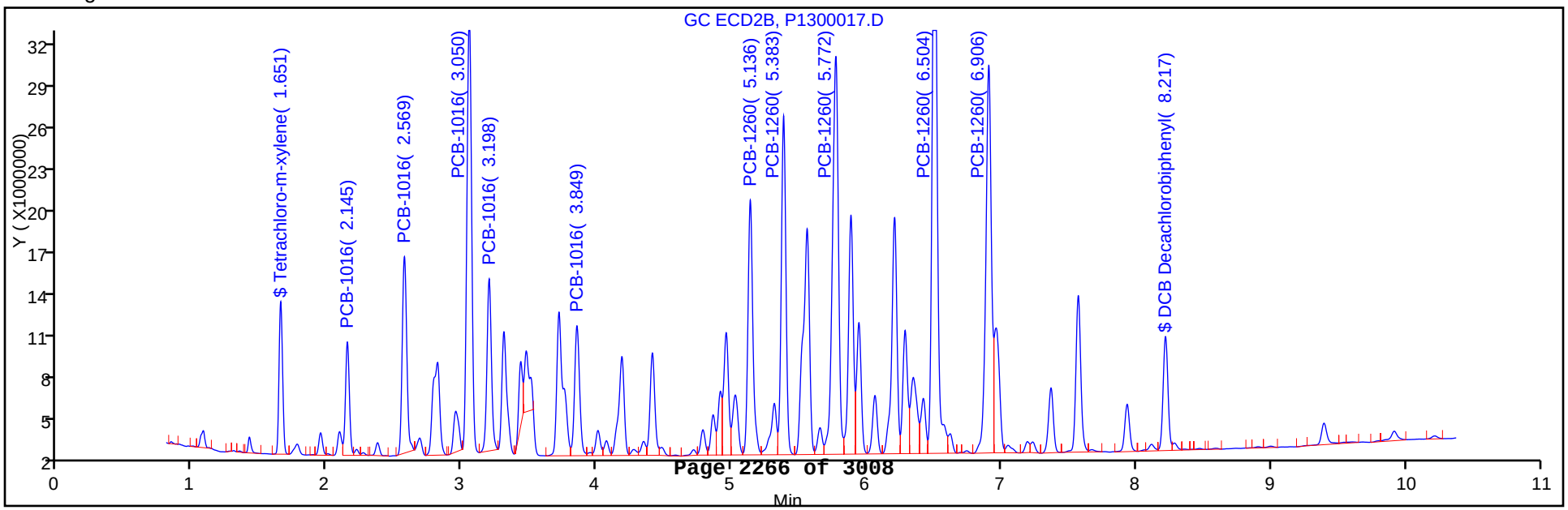
Data File: \\NCChrom\ChromData\A2HP13\20121126-15278.b\P1300017.D

Injection Date:	27-Nov-2012 05:35:58	Limit Group:	GC 8082A ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	A2HP13
Lims Batch ID:	66323	Lims Sample ID:	17
Operator ID:		Injection Vol:	1.0 1/cm
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Start Date: 10/21/2012 16:53

Analysis Batch Number: 62068 End Date: 10/22/2012 05:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-62068/3 IC		10/21/2012 16:53	1	P1300003.D	CLP-1 0.53(mm)
STD005 240-62068/3 IC		10/21/2012 16:53	1	P1300003.D	CLP-2 0.53(mm)
STD01 240-62068/4 IC		10/21/2012 17:08	1	P1300004.D	CLP-1 0.53(mm)
STD01 240-62068/4 IC		10/21/2012 17:08	1	P1300004.D	CLP-2 0.53(mm)
STD02 240-62068/5 IC		10/21/2012 17:23	1	P1300005.D	CLP-1 0.53(mm)
STD02 240-62068/5 IC		10/21/2012 17:23	1	P1300005.D	CLP-2 0.53(mm)
STD05 240-62068/6 IC		10/21/2012 17:38	1	P1300006.D	CLP-1 0.53(mm)
STD05 240-62068/6 IC		10/21/2012 17:38	1	P1300006.D	CLP-2 0.53(mm)
STD1 240-62068/7 IC		10/21/2012 17:53	1	P1300007.D	CLP-1 0.53(mm)
STD1 240-62068/7 IC		10/21/2012 17:53	1	P1300007.D	CLP-2 0.53(mm)
STD2 240-62068/8 IC		10/21/2012 18:07	1	P1300008.D	CLP-1 0.53(mm)
STD2 240-62068/8 IC		10/21/2012 18:07	1	P1300008.D	CLP-2 0.53(mm)
STD005 240-62068/9 IC		10/21/2012 18:22	1	P1300009.D	CLP-1 0.53(mm)
STD005 240-62068/9 IC		10/21/2012 18:22	1	P1300009.D	CLP-2 0.53(mm)
STD01 240-62068/10 IC		10/21/2012 18:37	1	P1300010.D	CLP-1 0.53(mm)
STD01 240-62068/10 IC		10/21/2012 18:37	1	P1300010.D	CLP-2 0.53(mm)
STD02 240-62068/11 IC		10/21/2012 18:52	1	P1300011.D	CLP-1 0.53(mm)
STD02 240-62068/11 IC		10/21/2012 18:52	1	P1300011.D	CLP-2 0.53(mm)
STD05 240-62068/12 IC		10/21/2012 19:07	1	P1300012.D	CLP-1 0.53(mm)
STD05 240-62068/12 IC		10/21/2012 19:07	1	P1300012.D	CLP-2 0.53(mm)
STD1 240-62068/13 IC		10/21/2012 19:22	1	P1300013.D	CLP-1 0.53(mm)
STD1 240-62068/13 IC		10/21/2012 19:22	1	P1300013.D	CLP-2 0.53(mm)
STD2 240-62068/14 IC		10/21/2012 19:37	1	P1300014.D	CLP-1 0.53(mm)
STD2 240-62068/14 IC		10/21/2012 19:37	1	P1300014.D	CLP-2 0.53(mm)
STD005 240-62068/15 IC		10/21/2012 19:52	1	P1300015.D	CLP-1 0.53(mm)
STD005 240-62068/15 IC		10/21/2012 19:52	1	P1300015.D	CLP-2 0.53(mm)
STD01 240-62068/16 IC		10/21/2012 20:07	1	P1300016.D	CLP-1 0.53(mm)
STD01 240-62068/16 IC		10/21/2012 20:07	1	P1300016.D	CLP-2 0.53(mm)
STD02 240-62068/17 IC		10/21/2012 20:22	1	P1300017.D	CLP-1 0.53(mm)
STD02 240-62068/17 IC		10/21/2012 20:22	1	P1300017.D	CLP-2 0.53(mm)
STD05 240-62068/18 IC		10/21/2012 20:37	1	P1300018.D	CLP-1 0.53(mm)
STD05 240-62068/18 IC		10/21/2012 20:37	1	P1300018.D	CLP-2 0.53(mm)
STD1 240-62068/19 IC		10/21/2012 20:52	1	P1300019.D	CLP-1 0.53(mm)
STD1 240-62068/19 IC		10/21/2012 20:52	1	P1300019.D	CLP-2 0.53(mm)
STD2 240-62068/20 IC		10/21/2012 21:07	1	P1300020.D	CLP-1 0.53(mm)
STD2 240-62068/20 IC		10/21/2012 21:07	1	P1300020.D	CLP-2 0.53(mm)
STD005 240-62068/21 IC		10/21/2012 21:21	1	P1300021.D	CLP-1 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Start Date: 10/21/2012 16:53

Analysis Batch Number: 62068 End Date: 10/22/2012 05:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-62068/21 IC		10/21/2012 21:21	1	P1300021.D	CLP-2 0.53(mm)
STD01 240-62068/22 IC		10/21/2012 21:36	1	P1300022.D	CLP-1 0.53(mm)
STD01 240-62068/22 IC		10/21/2012 21:36	1	P1300022.D	CLP-2 0.53(mm)
STD02 240-62068/23 IC		10/21/2012 21:51	1	P1300023.D	CLP-1 0.53(mm)
STD02 240-62068/23 IC		10/21/2012 21:51	1	P1300023.D	CLP-2 0.53(mm)
STD05 240-62068/24 IC		10/21/2012 22:06	1	P1300024.D	CLP-1 0.53(mm)
STD05 240-62068/24 IC		10/21/2012 22:06	1	P1300024.D	CLP-2 0.53(mm)
STD1 240-62068/25 IC		10/21/2012 22:21	1	P1300025.D	CLP-1 0.53(mm)
STD1 240-62068/25 IC		10/21/2012 22:21	1	P1300025.D	CLP-2 0.53(mm)
STD2 240-62068/26 IC		10/21/2012 22:36	1	P1300026.D	CLP-1 0.53(mm)
STD2 240-62068/26 IC		10/21/2012 22:36	1	P1300026.D	CLP-2 0.53(mm)
STD005 240-62068/27 IC		10/21/2012 22:51	1	P1300027.D	CLP-1 0.53(mm)
STD005 240-62068/27 IC		10/21/2012 22:51	1	P1300027.D	CLP-2 0.53(mm)
STD01 240-62068/28 IC		10/21/2012 23:06	1	P1300028.D	CLP-1 0.53(mm)
STD01 240-62068/28 IC		10/21/2012 23:06	1	P1300028.D	CLP-2 0.53(mm)
STD02 240-62068/29 IC		10/21/2012 23:21	1	P1300029.D	CLP-1 0.53(mm)
STD02 240-62068/29 IC		10/21/2012 23:21	1	P1300029.D	CLP-2 0.53(mm)
STD05 240-62068/30 ICRT		10/21/2012 23:36	1	P1300030.D	CLP-1 0.53(mm)
STD05 240-62068/30 ICRT		10/21/2012 23:36	1	P1300030.D	CLP-2 0.53(mm)
STD1 240-62068/31 IC		10/21/2012 23:50	1	P1300031.D	CLP-1 0.53(mm)
STD1 240-62068/31 IC		10/21/2012 23:50	1	P1300031.D	CLP-2 0.53(mm)
STD2 240-62068/32 IC		10/22/2012 00:05	1	P1300032.D	CLP-1 0.53(mm)
STD2 240-62068/32 IC		10/22/2012 00:05	1	P1300032.D	CLP-2 0.53(mm)
STD005 240-62068/33 IC		10/22/2012 00:20	1		CLP-1 0.53(mm)
STD005 240-62068/33 IC		10/22/2012 00:20	1		CLP-2 0.53(mm)
STD01 240-62068/34 IC		10/22/2012 00:35	1		CLP-1 0.53(mm)
STD01 240-62068/34 IC		10/22/2012 00:35	1		CLP-2 0.53(mm)
STD02 240-62068/35 IC		10/22/2012 00:50	1		CLP-1 0.53(mm)
STD02 240-62068/35 IC		10/22/2012 00:50	1		CLP-2 0.53(mm)
STD05 240-62068/36 IC		10/22/2012 01:05	1		CLP-1 0.53(mm)
STD05 240-62068/36 IC		10/22/2012 01:05	1		CLP-2 0.53(mm)
STD1 240-62068/37 IC		10/22/2012 01:20	1		CLP-1 0.53(mm)
STD1 240-62068/37 IC		10/22/2012 01:20	1		CLP-2 0.53(mm)
STD2 240-62068/38 IC		10/22/2012 01:35	1		CLP-1 0.53(mm)
STD2 240-62068/38 IC		10/22/2012 01:35	1		CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Start Date: 10/21/2012 16:53

Analysis Batch Number: 62068 End Date: 10/22/2012 05:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-62068/39 IC		10/22/2012 01:50	1		CLP-1 0.53(mm)
STD005 240-62068/39 IC		10/22/2012 01:50	1		CLP-2 0.53(mm)
STD01 240-62068/40 IC		10/22/2012 02:05	1		CLP-1 0.53(mm)
STD01 240-62068/40 IC		10/22/2012 02:05	1		CLP-2 0.53(mm)
STD02 240-62068/41 IC		10/22/2012 02:20	1		CLP-1 0.53(mm)
STD02 240-62068/41 IC		10/22/2012 02:20	1		CLP-2 0.53(mm)
STD05 240-62068/42 IC		10/22/2012 02:34	1		CLP-1 0.53(mm)
STD05 240-62068/42 IC		10/22/2012 02:34	1		CLP-2 0.53(mm)
STD1 240-62068/43 IC		10/22/2012 02:49	1		CLP-1 0.53(mm)
STD1 240-62068/43 IC		10/22/2012 02:49	1		CLP-2 0.53(mm)
STD2 240-62068/44 IC		10/22/2012 03:04	1		CLP-1 0.53(mm)
STD2 240-62068/44 IC		10/22/2012 03:04	1		CLP-2 0.53(mm)
ICV 240-62068/45		10/22/2012 03:19	1	P1300045.D	CLP-1 0.53(mm)
ICV 240-62068/45		10/22/2012 03:19	1	P1300045.D	CLP-2 0.53(mm)
ICV 240-62068/46		10/22/2012 03:34	1	P1300046.D	CLP-1 0.53(mm)
ICV 240-62068/46		10/22/2012 03:34	1	P1300046.D	CLP-2 0.53(mm)
ICV 240-62068/47		10/22/2012 03:49	1	P1300047.D	CLP-1 0.53(mm)
ICV 240-62068/47		10/22/2012 03:49	1	P1300047.D	CLP-2 0.53(mm)
ICV 240-62068/48		10/22/2012 04:04	1	P1300048.D	CLP-1 0.53(mm)
ICV 240-62068/48		10/22/2012 04:04	1	P1300048.D	CLP-2 0.53(mm)
ICV 240-62068/49		10/22/2012 04:19	1	P1300049.D	CLP-1 0.53(mm)
ICV 240-62068/49		10/22/2012 04:19	1	P1300049.D	CLP-2 0.53(mm)
ICV 240-62068/50		10/22/2012 04:34	1	P1300050.D	CLP-1 0.53(mm)
ICV 240-62068/50		10/22/2012 04:34	1	P1300050.D	CLP-2 0.53(mm)
ICV 240-62068/51		10/22/2012 04:49	1		CLP-1 0.53(mm)
ICV 240-62068/51		10/22/2012 04:49	1		CLP-2 0.53(mm)
ICV 240-62068/52		10/22/2012 05:03	1		CLP-1 0.53(mm)
ICV 240-62068/52		10/22/2012 05:03	1		CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Start Date: 11/18/2012 14:13

Analysis Batch Number: 65363 End Date: 11/18/2012 19:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-65363/3 CCVRT		11/18/2012 14:13	1	P1300003.D	CLP-1 0.53(mm)
CCV 240-65363/3 CCVRT		11/18/2012 14:13	1	P1300003.D	CLP-2 0.53(mm)
MRL 240-65363/4		11/18/2012 14:28	1	P1300004.D	CLP-1 0.53(mm)
MRL 240-65363/4		11/18/2012 14:28	1	P1300004.D	CLP-2 0.53(mm)
ZZZZZ		11/18/2012 16:13	1		CLP-1 0.53(mm)
ZZZZZ		11/18/2012 16:13	1		CLP-2 0.53(mm)
ZZZZZ		11/18/2012 16:28	1		CLP-1 0.53(mm)
ZZZZZ		11/18/2012 16:28	1		CLP-2 0.53(mm)
ZZZZZ		11/18/2012 16:43	1		CLP-1 0.53(mm)
ZZZZZ		11/18/2012 16:43	1		CLP-2 0.53(mm)
ZZZZZ		11/18/2012 16:57	1		CLP-1 0.53(mm)
ZZZZZ		11/18/2012 16:57	1		CLP-2 0.53(mm)
ZZZZZ		11/18/2012 17:12	1		CLP-1 0.53(mm)
ZZZZZ		11/18/2012 17:12	1		CLP-2 0.53(mm)
MB 240-64779/13-A		11/18/2012 17:27	1	P1300016.D	CLP-1 0.53(mm)
MB 240-64779/13-A		11/18/2012 17:27	1	P1300016.D	CLP-2 0.53(mm)
CCV 240-65363/17		11/18/2012 17:42	1	P1300017.D	CLP-1 0.53(mm)
CCV 240-65363/17		11/18/2012 17:42	1	P1300017.D	CLP-2 0.53(mm)
240-17477-1	068SW-0013-0001-SW	11/18/2012 17:57	1	P1300018.D	CLP-1 0.53(mm)
240-17477-1	068SW-0013-0001-SW	11/18/2012 17:57	1	P1300018.D	CLP-2 0.53(mm)
240-17477-2	068SW-0014-0001-SW	11/18/2012 18:12	1	P1300019.D	CLP-1 0.53(mm)
240-17477-2	068SW-0014-0001-SW	11/18/2012 18:12	1	P1300019.D	CLP-2 0.53(mm)
240-17477-3	068SW-0015-0001-SW	11/18/2012 18:27	1	P1300020.D	CLP-1 0.53(mm)
240-17477-3	068SW-0015-0001-SW	11/18/2012 18:27	1	P1300020.D	CLP-2 0.53(mm)
240-17477-4	068SW-0016-0001-SW	11/18/2012 18:42	1	P1300021.D	CLP-1 0.53(mm)
240-17477-4	068SW-0016-0001-SW	11/18/2012 18:42	1	P1300021.D	CLP-2 0.53(mm)
240-17477-4 MS	068SW-0016-0001-SW MS	11/18/2012 18:57	1	P1300022.D	CLP-1 0.53(mm)
240-17477-4 MS	068SW-0016-0001-SW MS	11/18/2012 18:57	1	P1300022.D	CLP-2 0.53(mm)
240-17477-4 MSD	068SW-0016-0001-SW MSD	11/18/2012 19:12	1	P1300023.D	CLP-1 0.53(mm)
240-17477-4 MSD	068SW-0016-0001-SW MSD	11/18/2012 19:12	1	P1300023.D	CLP-2 0.53(mm)
LCS 240-64779/14-A		11/18/2012 19:27	1	P1300024.D	CLP-1 0.53(mm)
LCS 240-64779/14-A		11/18/2012 19:27	1	P1300024.D	CLP-2 0.53(mm)
CCV 240-65363/25		11/18/2012 19:41	1	P1300025.D	CLP-1 0.53(mm)
CCV 240-65363/25		11/18/2012 19:41	1	P1300025.D	CLP-2 0.53(mm)
MRL 240-65363/26		11/18/2012 19:56	1	P1300026.D	CLP-1 0.53(mm)
MRL 240-65363/26		11/18/2012 19:56	1	P1300026.D	CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Start Date: 11/27/2012 02:07

Analysis Batch Number: 66323 End Date: 11/27/2012 09:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MRL 240-66323/3		11/27/2012 02:07	1	P1300003.D	CLP-1 0.53(mm)
MRL 240-66323/3		11/27/2012 02:07	1	P1300003.D	CLP-2 0.53(mm)
CCV 240-66323/4 CCVRT		11/27/2012 02:21	1	P1300004.D	CLP-1 0.53(mm)
CCV 240-66323/4 CCVRT		11/27/2012 02:21	1	P1300004.D	CLP-2 0.53(mm)
ZZZZZ		11/27/2012 04:06	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 04:06	1		CLP-2 0.53(mm)
ZZZZZ		11/27/2012 04:21	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 04:21	1		CLP-2 0.53(mm)
ZZZZZ		11/27/2012 04:36	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 04:36	1		CLP-2 0.53(mm)
ZZZZZ		11/27/2012 04:51	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 04:51	1		CLP-2 0.53(mm)
240-17477-6	079SS-0004M-0001-SO	11/27/2012 05:06	1	P1300015.D	CLP-1 0.53(mm)
240-17477-6	079SS-0004M-0001-SO	11/27/2012 05:06	1	P1300015.D	CLP-2 0.53(mm)
240-17477-6 MS	079SS-0004M-0001-SO MS	11/27/2012 05:21	1	P1300016.D	CLP-1 0.53(mm)
240-17477-6 MS	079SS-0004M-0001-SO MS	11/27/2012 05:21	1	P1300016.D	CLP-2 0.53(mm)
240-17477-6 MSD	079SS-0004M-0001-SO MSD	11/27/2012 05:35	1	P1300017.D	CLP-1 0.53(mm)
240-17477-6 MSD	079SS-0004M-0001-SO MSD	11/27/2012 05:35	1	P1300017.D	CLP-2 0.53(mm)
MB 240-65753/23-A		11/27/2012 05:50	1	P1300018.D	CLP-1 0.53(mm)
MB 240-65753/23-A		11/27/2012 05:50	1	P1300018.D	CLP-2 0.53(mm)
CCV 240-66323/19		11/27/2012 06:05	1	P1300019.D	CLP-1 0.53(mm)
CCV 240-66323/19		11/27/2012 06:05	1	P1300019.D	CLP-2 0.53(mm)
240-17477-7	079SS-0005M-0001-SO	11/27/2012 06:20	1	P1300020.D	CLP-1 0.53(mm)
240-17477-7	079SS-0005M-0001-SO	11/27/2012 06:20	1	P1300020.D	CLP-2 0.53(mm)
ZZZZZ		11/27/2012 06:35	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 06:35	1		CLP-2 0.53(mm)
ZZZZZ		11/27/2012 06:50	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 06:50	1		CLP-2 0.53(mm)
ZZZZZ		11/27/2012 07:05	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 07:05	1		CLP-2 0.53(mm)
ZZZZZ		11/27/2012 07:20	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 07:20	1		CLP-2 0.53(mm)
ZZZZZ		11/27/2012 07:35	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 07:35	1		CLP-2 0.53(mm)
ZZZZZ		11/27/2012 07:50	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 07:50	1		CLP-2 0.53(mm)
ZZZZZ		11/27/2012 08:05	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 08:05	1		CLP-2 0.53(mm)
ZZZZZ		11/27/2012 08:20	1		CLP-1 0.53(mm)
ZZZZZ		11/27/2012 08:20	1		CLP-2 0.53(mm)
LCS 240-65753/24-A		11/27/2012 08:35	1	P1300029.D	CLP-1 0.53(mm)
LCS 240-65753/24-A		11/27/2012 08:35	1	P1300029.D	CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: A2HP13 Start Date: 11/27/2012 02:07

Analysis Batch Number: 66323 End Date: 11/27/2012 09:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-66323/30		11/27/2012 08:49	1	P1300030.D	CLP-1 0.53(mm)
CCV 240-66323/30		11/27/2012 08:49	1	P1300030.D	CLP-2 0.53(mm)
MRL 240-66323/31		11/27/2012 09:04	1	P1300031.D	CLP-1 0.53(mm)
MRL 240-66323/31		11/27/2012 09:04	1	P1300031.D	CLP-2 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 64779 Batch Start Date: 11/13/12 12:10 Batch Analyst: Earle, Steve

Batch Method: 3520C Batch End Date: 11/14/12 06:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	EX10PPMSPK 00006	EX2/.2SURRW 00019	
240-17477-C-1	068SW-0013-0001-SW	3520C, 8082/DOD	T	1050 mL	5.0 mL	7		1 mL	
240-17477-B-2	068SW-0014-0001-SW	3520C, 8082/DOD	T	1050 mL	5.0 mL	7		1 mL	
240-17477-C-3	068SW-0015-0001-SW	3520C, 8082/DOD	T	1050 mL	5.0 mL	7		1 mL	
240-17477-G-4	068SW-0016-0001-SW	3520C, 8082/DOD	T	1050 mL	5.0 mL	7		1 mL	
240-17477-F-4 MS	068SW-0016-0001-SW	3520C, 8082/DOD	T	1050 mL	5.0 mL	7	0.5 mL	1 mL	
240-17477-E-4 MSD	068SW-0016-0001-SW	3520C, 8082/DOD	T	1050 mL	5.0 mL	7	0.5 mL	1 mL	
MB 240-64779/13		3520C, 8082/DOD		1000 mL	5.0 mL	7		1 mL	
LCS 240-64779/14		3520C, 8082/DOD		1000 mL	5.0 mL	7	0.5 mL	1 mL	

Batch Notes	
Acid used for Clean Up Reagent	724997
Person's name who did the concentration	lah/cc
Exchange Solvent Lot #	671347
Filter Paper Lot Number	668986
Prep Solvent Lot #	723534

Basis	Basis Description
T	Total/NA

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 65753 Batch Start Date: 11/20/12 14:40 Batch Analyst: Cerne, Amanda

Batch Method: 3540C Batch End Date: 11/21/12 06:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX10PPMSPK 00006	EX2/.2SURRW 00019	AnalysisComment	
240-17477-A-6-B	079SS-0004M-0001 -SO	3540C, 8082/DOD	T	30.22 g	10 mL		1 mL	Associated w/ 65759	
240-17477-A-6-C MS	079SS-0004M-0001 -SO	3540C, 8082/DOD	T	29.65 g	10 mL	1 mL	1 mL		
240-17477-A-6-D MSD	079SS-0004M-0001 -SO	3540C, 8082/DOD	T	29.69 g	10 mL	1 mL	1 mL		
240-17477-A-7-B	079SS-0005M-0001 -SO	3540C, 8082/DOD	T	29.96 g	10 mL		1 mL	Associated w/ 65759	
MB 240-65753/23		3540C, 8082/DOD		30.00 g	10 mL		1 mL	Associated w/ 65759	
LCS 240-65753/24		3540C, 8082/DOD		30.00 g	10 mL	1 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	724998
Balance ID	b036
Person's name who did the concentration	cc/lh
Exchange Solvent Lot #	671346
Na2SO4 Lot Number	677239
Prep Solvent Lot #	719013

Basis	Basis Description
T	Total/NA

Method 8330 Nitroguanidine

Nitroguanidine (HPLC) by Method 8330

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 320-0001600-012-1.d

Lab ID: LCS 320-6242/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Nitroguanidine	1.00	0.978	98	72-121	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 320-0001600-014-1.d

Lab ID: 240-17477-6 MS Client ID: 079SS-0004M-0001-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Nitroguanidine	1.02	0.039 U	0.776	76	72-121	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 320-0001600-016-1.d

Lab ID: 240-17477-6 MSD Client ID: 079SS-0004M-0001-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitroguanidine	0.985	0.740	75	5	20	72-121	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab File ID: 320-0001600-011-1.d Lab Sample ID: MB 320-6242/1-A

Matrix: Solid Date Extracted: 11/21/2012 14:38

Instrument ID: PDA1 Date Analyzed: 11/29/2012 17:24

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 320-6242/2-A	320-0001600-012-1.d	11/29/2012 17:38
079SS-0004M-0001-SO	240-17477-6	320-0001600-013-1.d	11/29/2012 17:53
079SS-0004M-0001-SO MS	240-17477-6 MS	320-0001600-014-1.d	11/29/2012 18:07
079SS-0004M-0001-SO MSD	240-17477-6 MSD	320-0001600-016-1.d	11/29/2012 18:36
079SS-0005M-0001-SO	240-17477-7	320-0001600-017-1.d	11/29/2012 18:50

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO Lab Sample ID: 240-17477-6

Matrix: Solid Lab File ID: 320-0001600-013-1.d

Analysis Method: 8330 Modified Date Collected: 11/09/2012 11:10

Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38

Sample wt/vol: 2.04(g) Date Analyzed: 11/29/2012 17:53

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.039	U	0.25	0.039	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-013-1.d		
Lims ID:	240-17477-A-6-W	Client ID:	079SS-0004M-0001-SO
Inject. Date:	29-Nov-2012 17:53:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001600-013 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	6611	Lims Sample ID:	13
Detector:	GC 320-0001600-013-1		
Method:	\\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m		
Last Update:	30-Nov-2012 07:40:20	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 30-Nov-2012 07:40:35

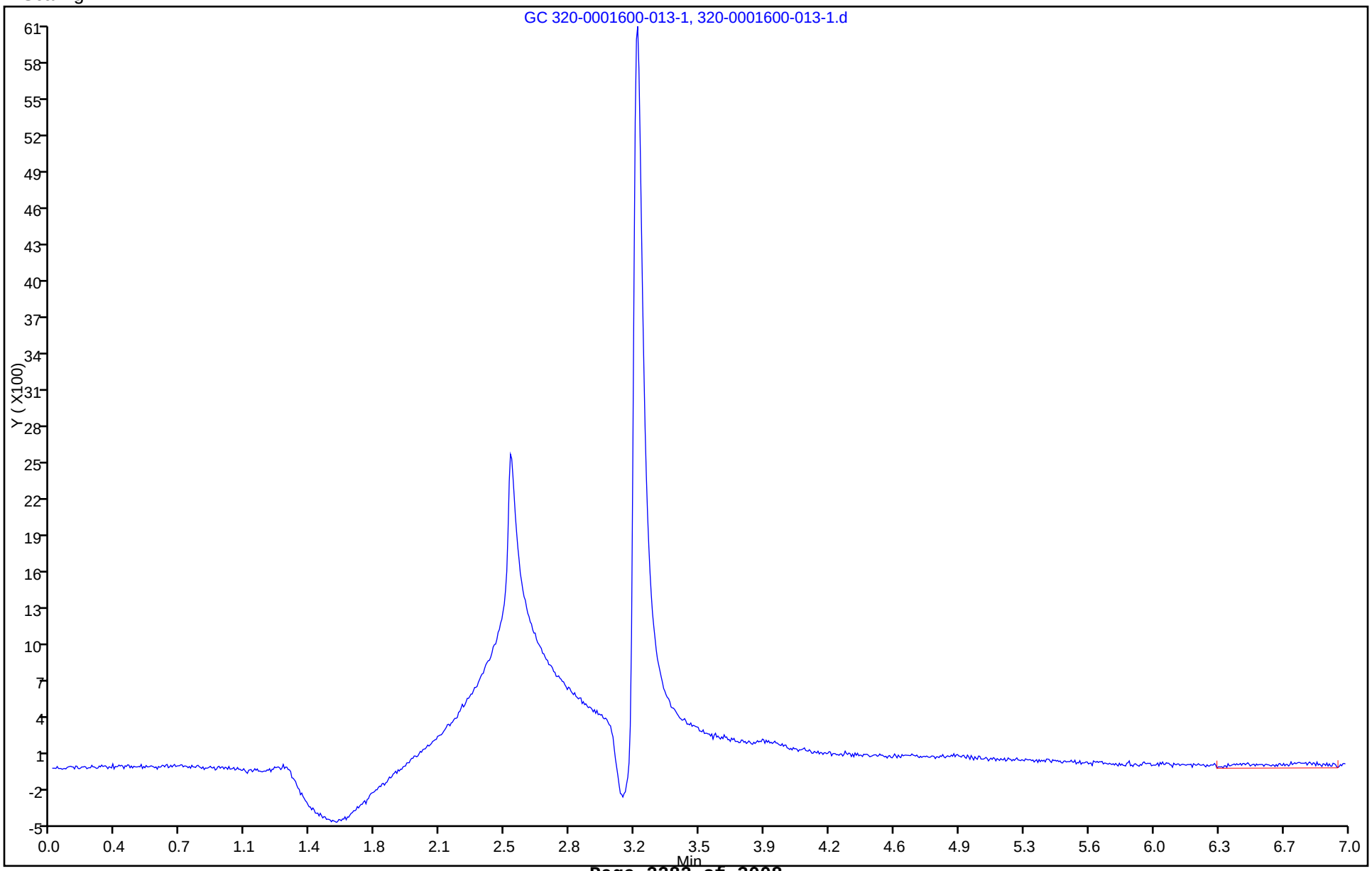
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

Report Date: 30-Nov-2012 07:40:35 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-013-1.d		
Injection Date:	29-Nov-2012 17:53:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	PDA1
Lims Batch ID:	6611	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO Lab Sample ID: 240-17477-7

Matrix: Solid Lab File ID: 320-0001600-017-1.d

Analysis Method: 8330 Modified Date Collected: 11/09/2012 11:10

Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38

Sample wt/vol: 1.97(g) Date Analyzed: 11/29/2012 18:50

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.041	U	0.25	0.041	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-017-1.d		
Lims ID:	240-17477-F-7-A	Client ID:	079SS-0005M-0001-SO
Inject. Date:	29-Nov-2012 18:50:00	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001600-017 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	6611	Lims Sample ID:	17
Detector:	GC 320-0001600-017-1		
Method:	\\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m		
Last Update:	30-Nov-2012 07:42:46	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 30-Nov-2012 07:43:06

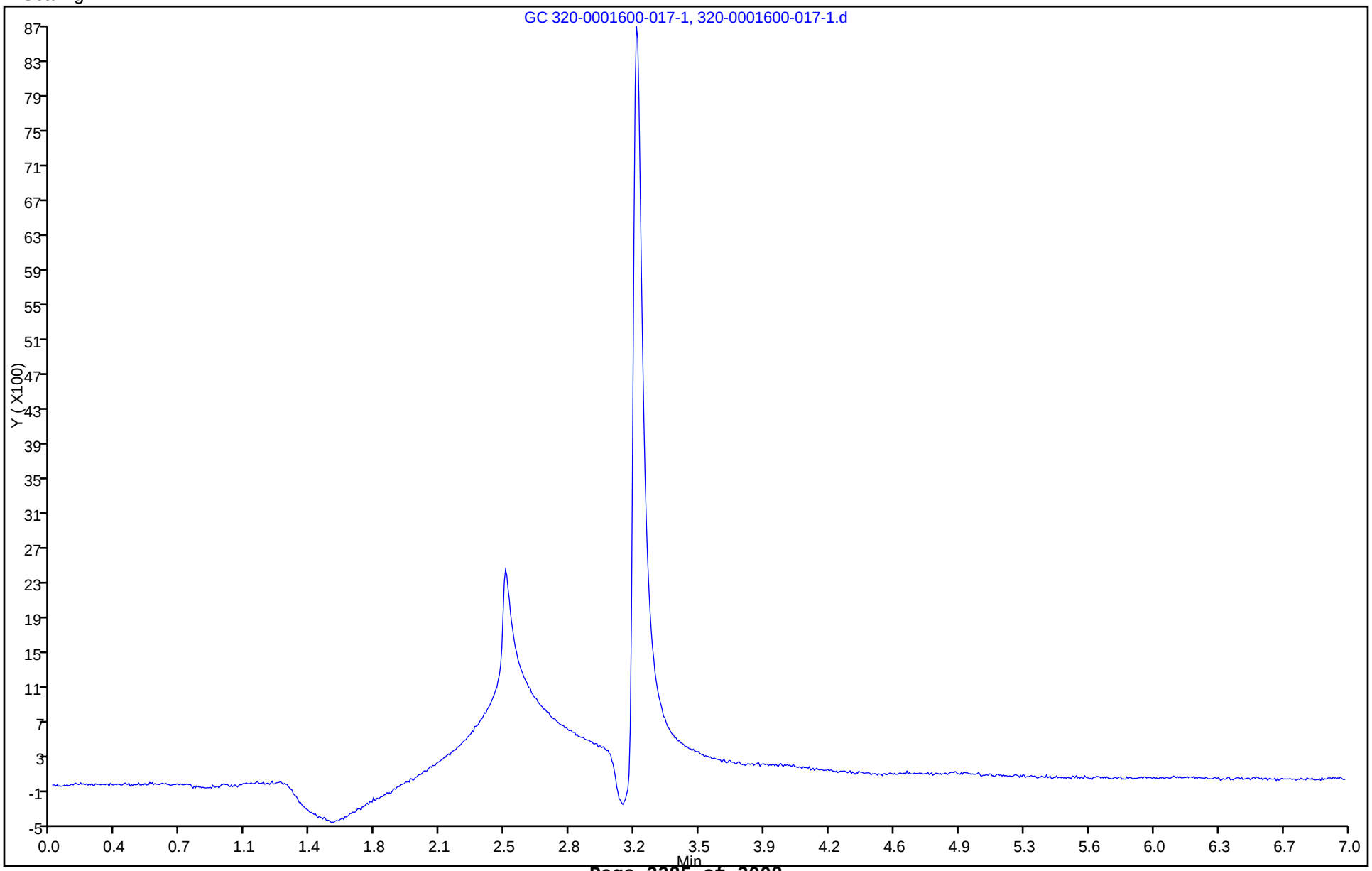
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags

Report Date: 30-Nov-2012 07:43:06 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-017-1.d		
Injection Date:	29-Nov-2012 18:50:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	PDA1
Lims Batch ID:	6611	Lims Sample ID:	17
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1 Analy Batch No.: 4663

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 09:29 Calibration End Date: 10/17/2012 10:41 Calibration ID: 1409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4663/4	HPNQL2_00003-1.d
Level 2	STD03 320-4663/5	HPNQL3_00003-1.d
Level 3	STD04 320-4663/6	HPNQL4_00003-1.d
Level 4	STD05 320-4663/7	HPNQL5_00003-1.d
Level 5	STD06 320-4663/8	HPNQL6_00003-1.d
Level 6	STD07 320-4663/9	HPNQL7_00003-1.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Nitroguanidine	4.240	4.240	4.240	4.240	4.233	4.227					3.990 - 4.490	4.237

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1 Analy Batch No.: 4663

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 09:29 Calibration End Date: 10/17/2012 10:41 Calibration ID: 1409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4663/4	HPNQL2_00003-1.d
Level 2	STD03 320-4663/5	HPNQL3_00003-1.d
Level 3	STD04 320-4663/6	HPNQL4_00003-1.d
Level 4	STD05 320-4663/7	HPNQL5_00003-1.d
Level 5	STD06 320-4663/8	HPNQL6_00003-1.d
Level 6	STD07 320-4663/9	HPNQL7_00003-1.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Nitroguanidine	48.450 47.010	47.080 46.247	47.010	46.930	Ave		47.1211667				1.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1 Analy Batch No.: 4663

SDG No.:

Instrument ID: PDA1 GC Column: Luna NH2 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 09:29 Calibration End Date: 10/17/2012 10:41 Calibration ID: 1409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 320-4663/4	HPNQL2_00003-1.d
Level 2	STD03 320-4663/5	HPNQL3_00003-1.d
Level 3	STD04 320-4663/6	HPNQL4_00003-1.d
Level 4	STD05 320-4663/7	HPNQL5_00003-1.d
Level 5	STD06 320-4663/8	HPNQL6_00003-1.d
Level 6	STD07 320-4663/9	HPNQL7_00003-1.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Nitroguanidine	Ave	969 46247	2354	4701	9386	23505	20.0 1000	50.0	100	200	500

Curve Type Legend:
Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL2_00003-1.d		
Lims ID:	std02	Client ID:	
Inject. Date:	17-Oct-2012 09:29:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	HPNQL2_00003 Verification		
Misc. Info.:	none NQ Std 20 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4663	Lims Sample ID:	4
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC HPNQL2_00003-1		
Method:	\\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m		
Last Update:	30-Oct-2012 09:07:50	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK034		
First Level Reviewer: waterlandh		Date:	30-Oct-2012 09:07:50

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.240	4.240	0.0	969	20.6	

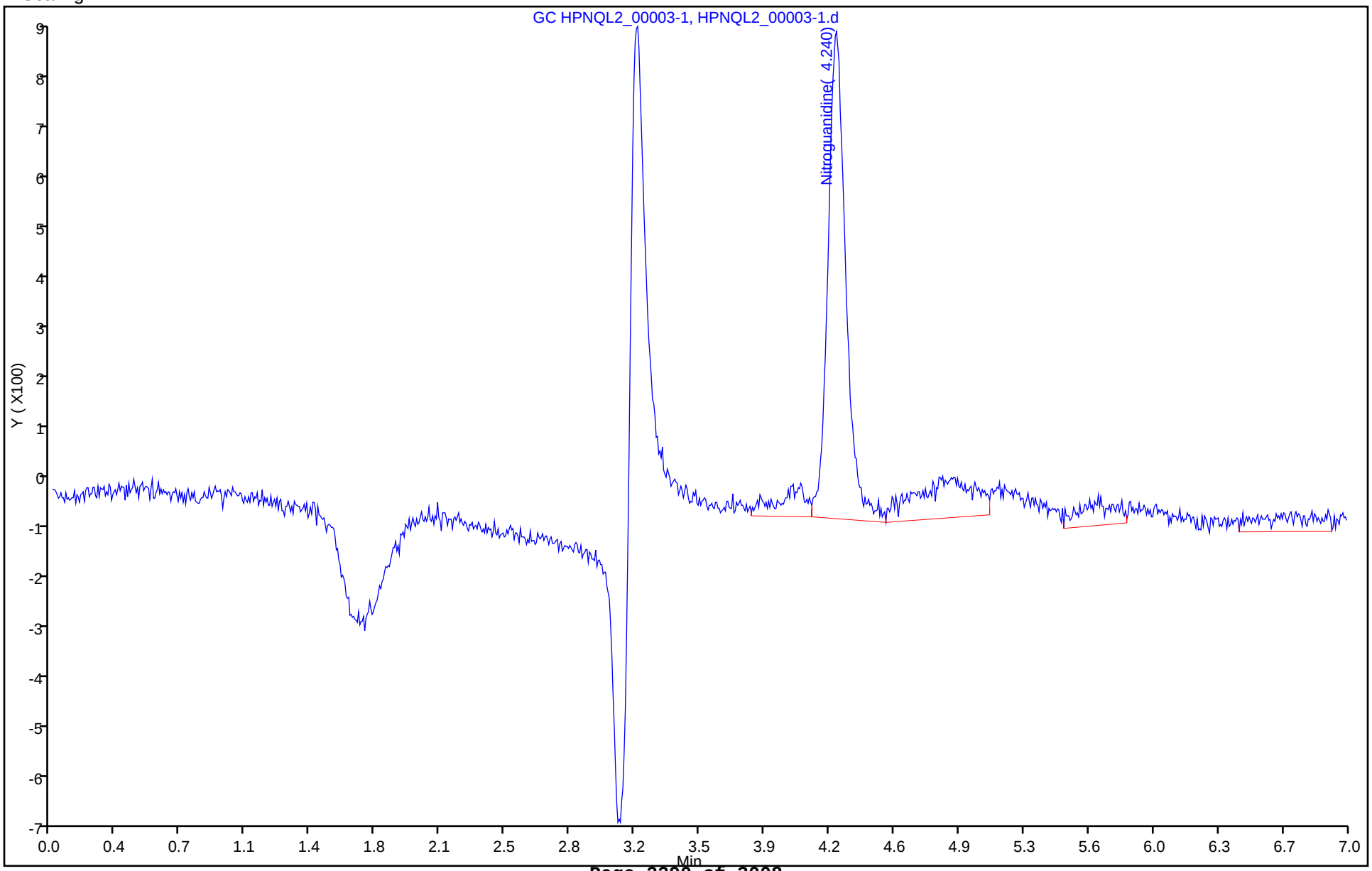
Report Date: 30-Oct-2012 09:07:50 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL2_00003-1.d

Injection Date:	17-Oct-2012 09:29:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4663	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL3_00003-1.d		
Lims ID:	std03	Client ID:	
Inject. Date:	17-Oct-2012 09:44:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	HPNQL3_00003 Verification		
Misc. Info.:	none NQ Std 50 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4663	Lims Sample ID:	5
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC HPNQL3_00003-1		
Method:	\\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m		
Last Update:	30-Oct-2012 09:07:54	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK034		
First Level Reviewer: waterlandh		Date:	30-Oct-2012 09:07:54

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.240	4.240	0.0	2354	50.0	

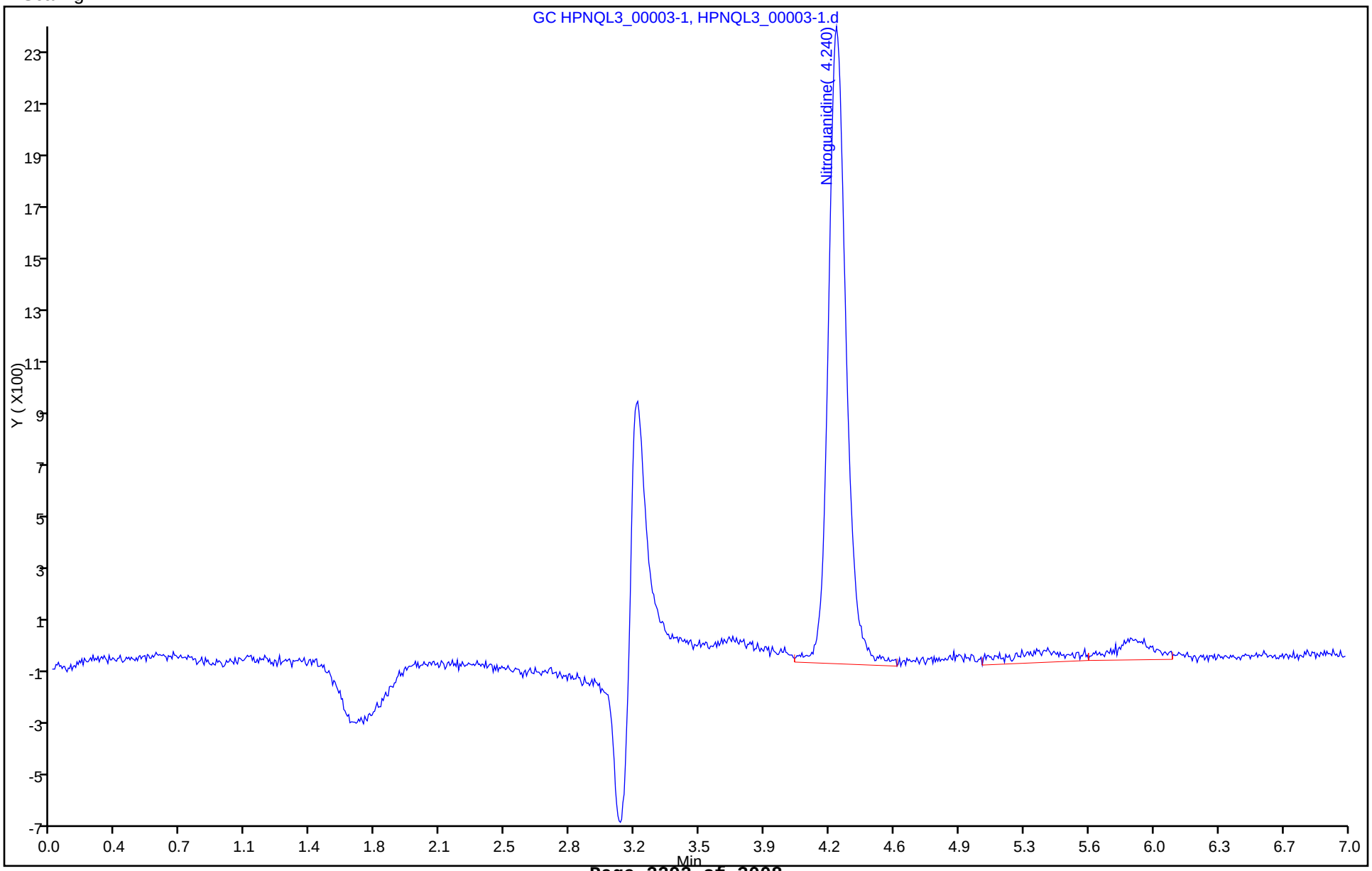
Report Date: 30-Oct-2012 09:07:54 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL3_00003-1.d

Injection Date:	17-Oct-2012 09:44:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4663	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL4_00003-1.d		
Lims ID:	std04	Client ID:	
Inject. Date:	17-Oct-2012 09:58:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	HPNQL4_00003 Verification		
Misc. Info.:	none NQ Std 100 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4663	Lims Sample ID:	6
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC HPNQL4_00003-1		
Method:	\\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m		
Last Update:	30-Oct-2012 09:07:59	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK034		
First Level Reviewer: waterlandh		Date:	30-Oct-2012 09:07:59

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.240	4.240	0.0	4701	99.8	

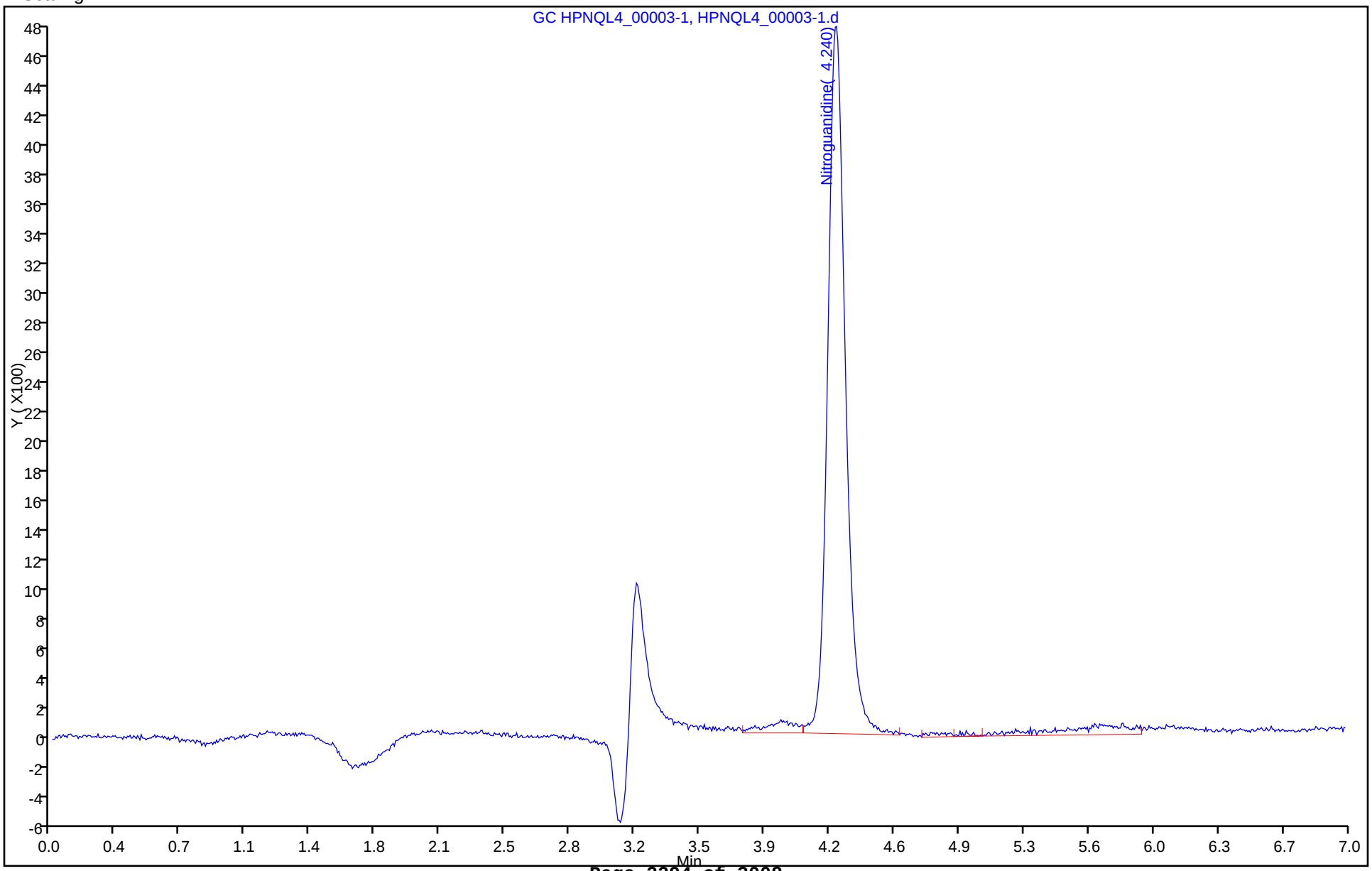
Report Date: 30-Oct-2012 09:07:59 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL4_00003-1.d

Injection Date:	17-Oct-2012 09:58:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4663	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL5_00003-1.d		
Lims ID:	std05	Client ID:	
Inject. Date:	17-Oct-2012 10:12:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	HPNQL5_00003 Verification		
Misc. Info.:	none NQ Std 200 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4663	Lims Sample ID:	7
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC HPNQL5_00003-1		
Method:	\\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m		
Last Update:	30-Oct-2012 09:08:09	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK034		
First Level Reviewer: waterlandh		Date:	30-Oct-2012 09:08:09

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.240	4.240	0.0	9386	199.2	

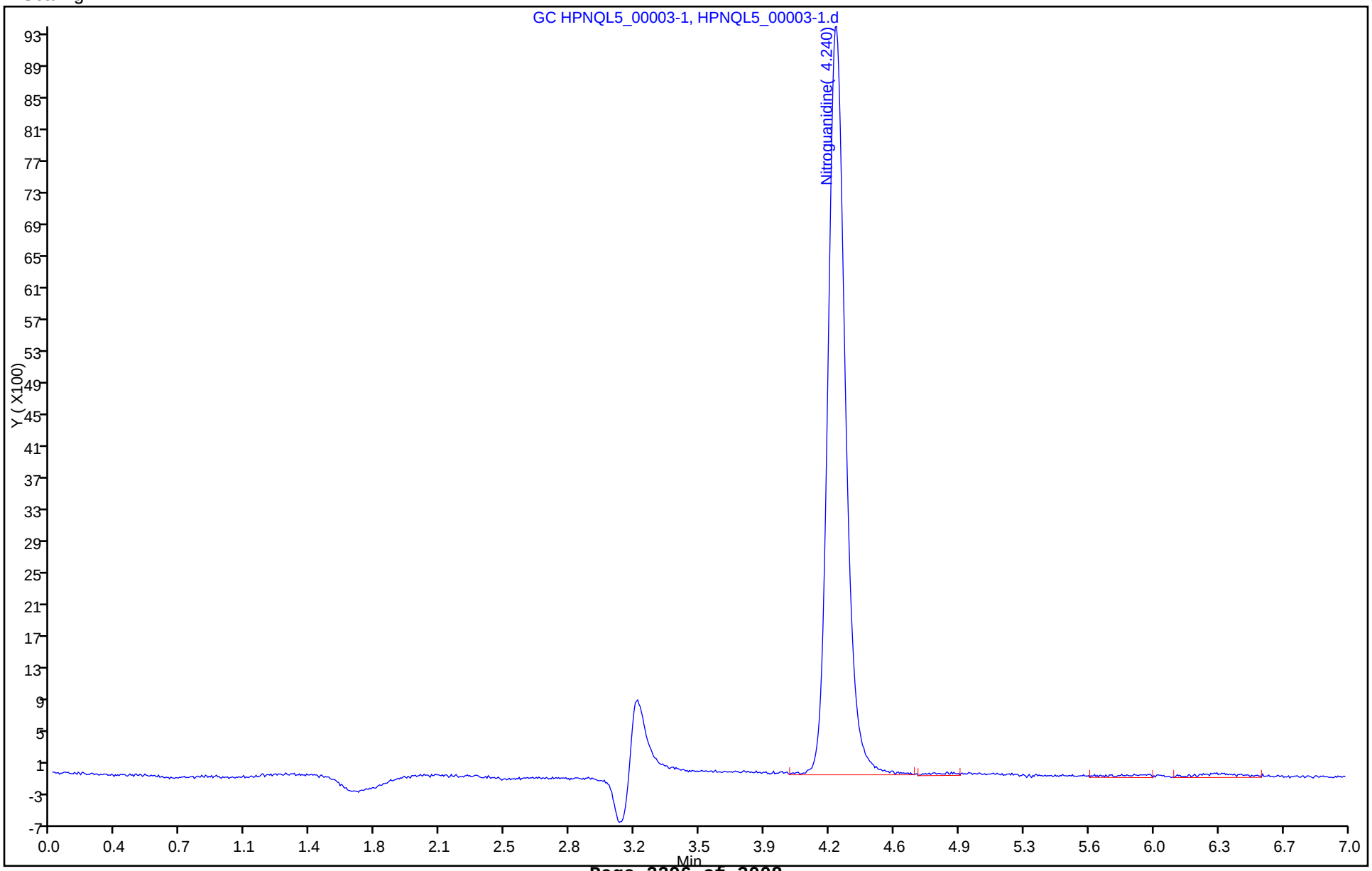
Report Date: 30-Oct-2012 09:08:09 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL5_00003-1.d

Injection Date:	17-Oct-2012 10:12:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4663	Lims Sample ID:	7
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL6_00003-1.d		
Lims ID:	std06	Client ID:	
Inject. Date:	17-Oct-2012 10:27:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	HPNQL6_00003 Verification		
Misc. Info.:	none NQ Std 500 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4663	Lims Sample ID:	8
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC HPNQL6_00003-1		
Method:	\\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m		
Last Update:	30-Oct-2012 09:08:13	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK034		
First Level Reviewer: waterlandh		Date:	30-Oct-2012 09:08:13

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.233	4.240	-0.007	23505	498.8	

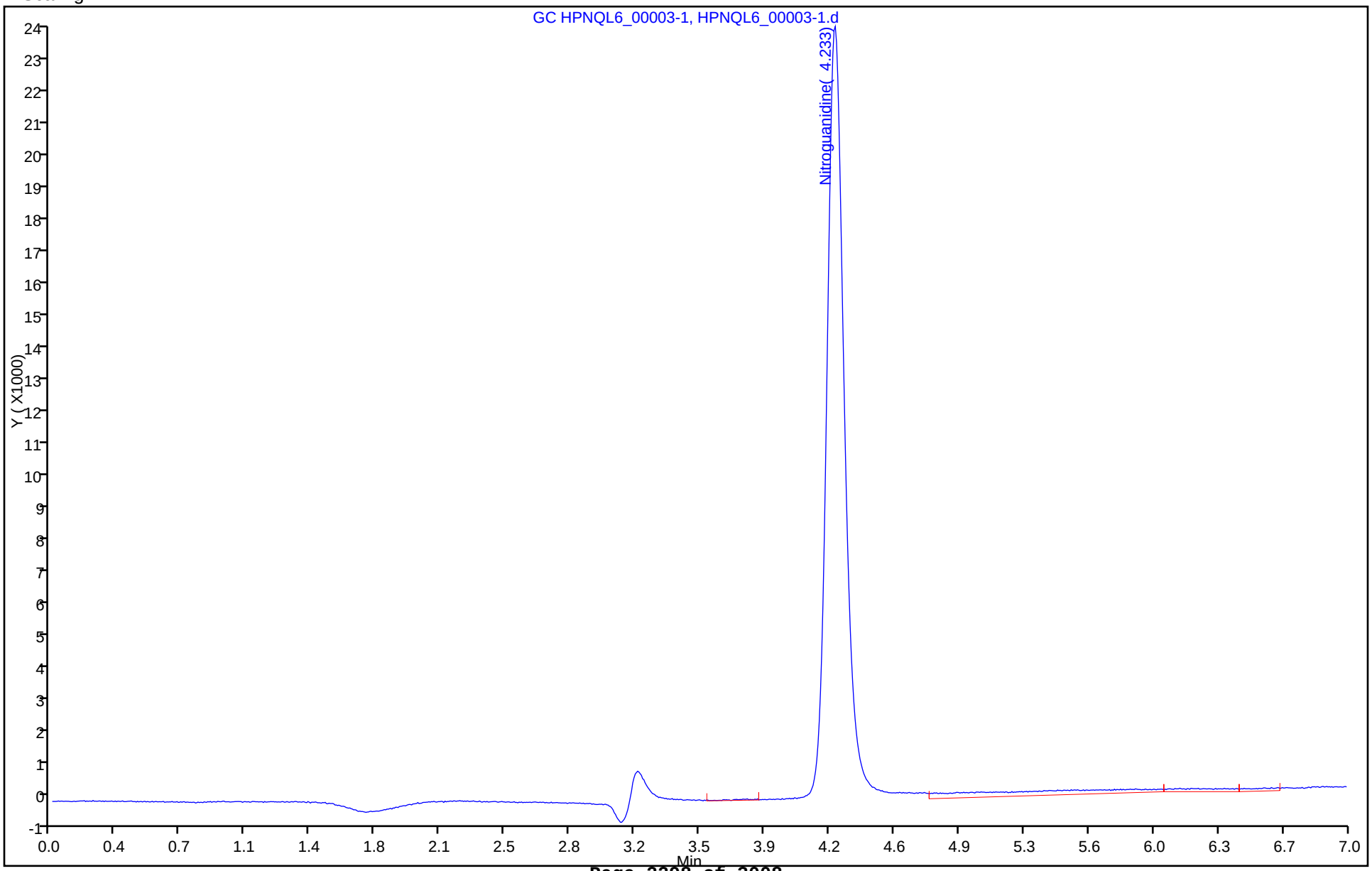
Report Date: 30-Oct-2012 09:08:13 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL6_00003-1.d

Injection Date:	17-Oct-2012 10:27:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4663	Lims Sample ID:	8
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Lims ID:	std07	Client ID:	
Inject. Date:	17-Oct-2012 10:41:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	HPNQL7_00003 Verification		
Misc. Info.:	none NQ Std 1000 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4663	Lims Sample ID:	9
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC HPNQL7_00003-1		
Method:	\\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m		
Last Update:	30-Oct-2012 09:08:20	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK034		
First Level Reviewer: waterlandh		Date:	30-Oct-2012 09:08:20

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.227	4.240	-0.013	46247	981.4	

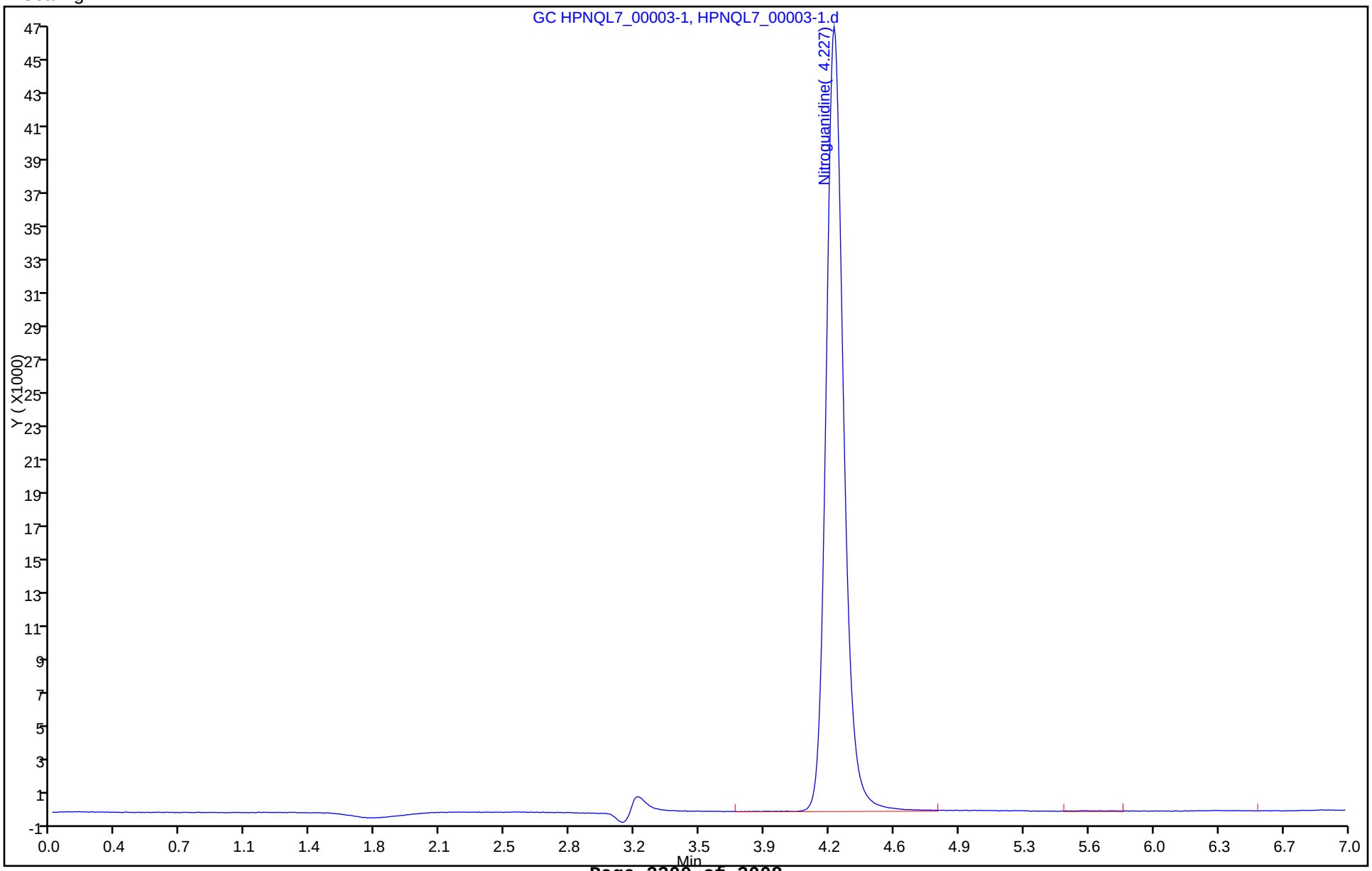
Report Date: 30-Oct-2012 09:08:21 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d

Injection Date:	17-Oct-2012 10:41:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4663	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 320-4663/11 Calibration Date: 10/17/2012 11:10

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: HPNQIC_00002;001-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	45.50		193	200	-3.5	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 320-4663/11 Calibration Date: 10/17/2012 11:10

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: HPNQIC_00002;001-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.23	3.98	4.48

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQIC_00002;001-1.d		
Lims ID:	icv	Client ID:	
Inject. Date:	17-Oct-2012 11:10:00	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	HPNQIC_00002; Analysis		
Misc. Info.:	none ICV 200ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4663	Lims Sample ID:	11
Sublist:			
Detector:	GC HPNQIC_00002;001-1		
Method:	\\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m		
Last Update:	30-Oct-2012 09:03:42	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK034		

First Level Reviewer: noonanr Date: 17-Oct-2012 12:29:08

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.233	4.233	0.0	9099	193.1	

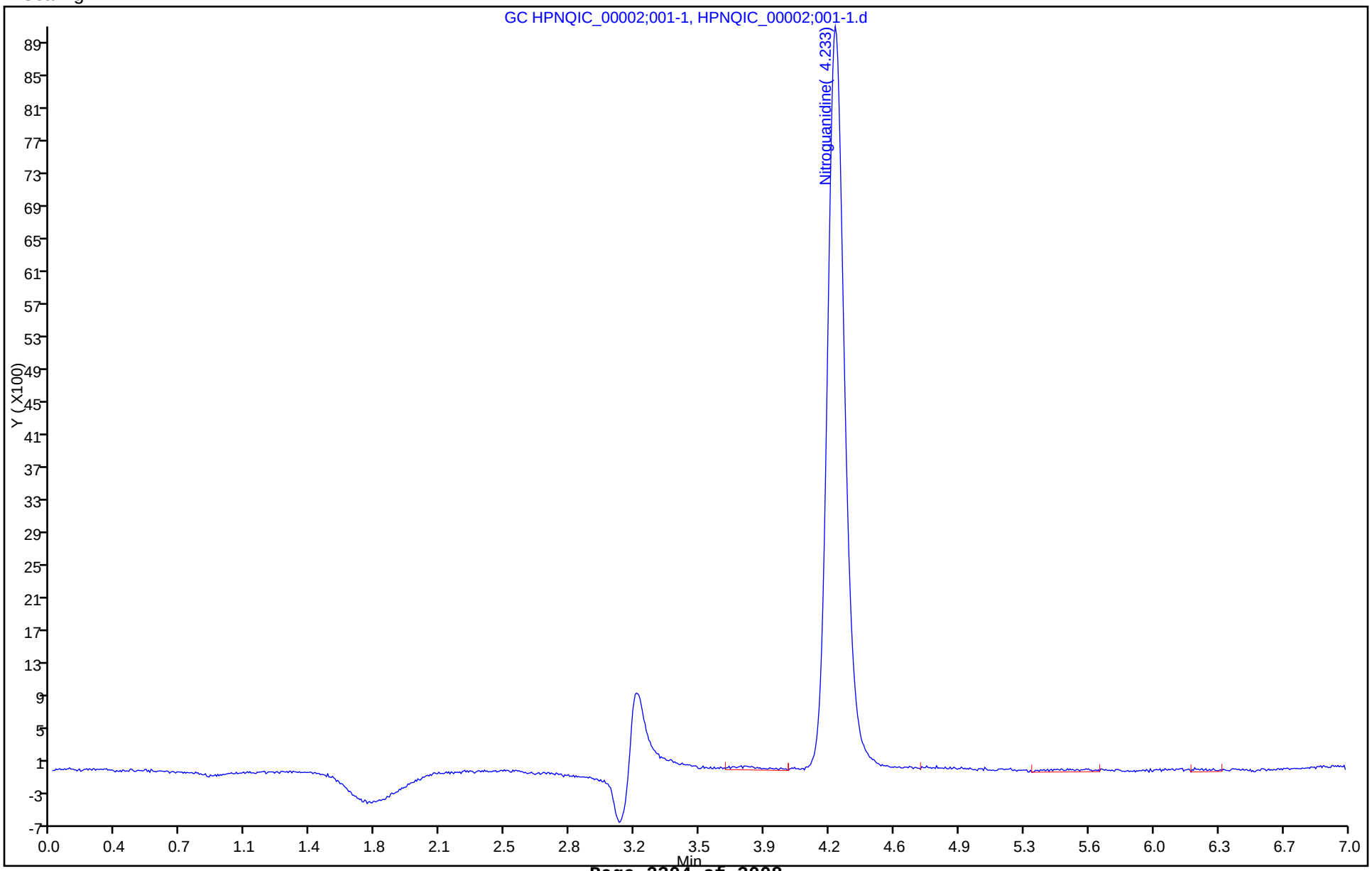
Report Date: 30-Oct-2012 09:03:42 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQIC_00002;001-1.d

Injection Date:	17-Oct-2012 11:10:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4663	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: LODV 320-4663/12 Calibration Date: 10/17/2012 11:24

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: HPNQ2XM_00002-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	56.40		5.98	5.00	19.7	

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: LODV 320-4663/12 Calibration Date: 10/17/2012 11:24

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: HPNQ2XM_00002-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.24	3.98	4.48

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQ2XM_00002-1.d		
Lims ID:	LODV	Client ID:	
Inject. Date:	17-Oct-2012 11:24:00	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	HPNQ2xM_00002 Verification		
Misc. Info.:	none 2xMDL NQ Std 5 ng/mL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	4663	Lims Sample ID:	12
Detector:	GC HPNQ2XM_00002-1		
Method:	\\SACChrom\ChromData\PDA1\20121016-1075.b\NGu Primary.m		
Last Update:	30-Oct-2012 09:03:42	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK034		

First Level Reviewer: noonanr Date: 17-Oct-2012 12:29:13

	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1	Nitroguanidine					
	4.240	4.233	0.007	282	5.98	

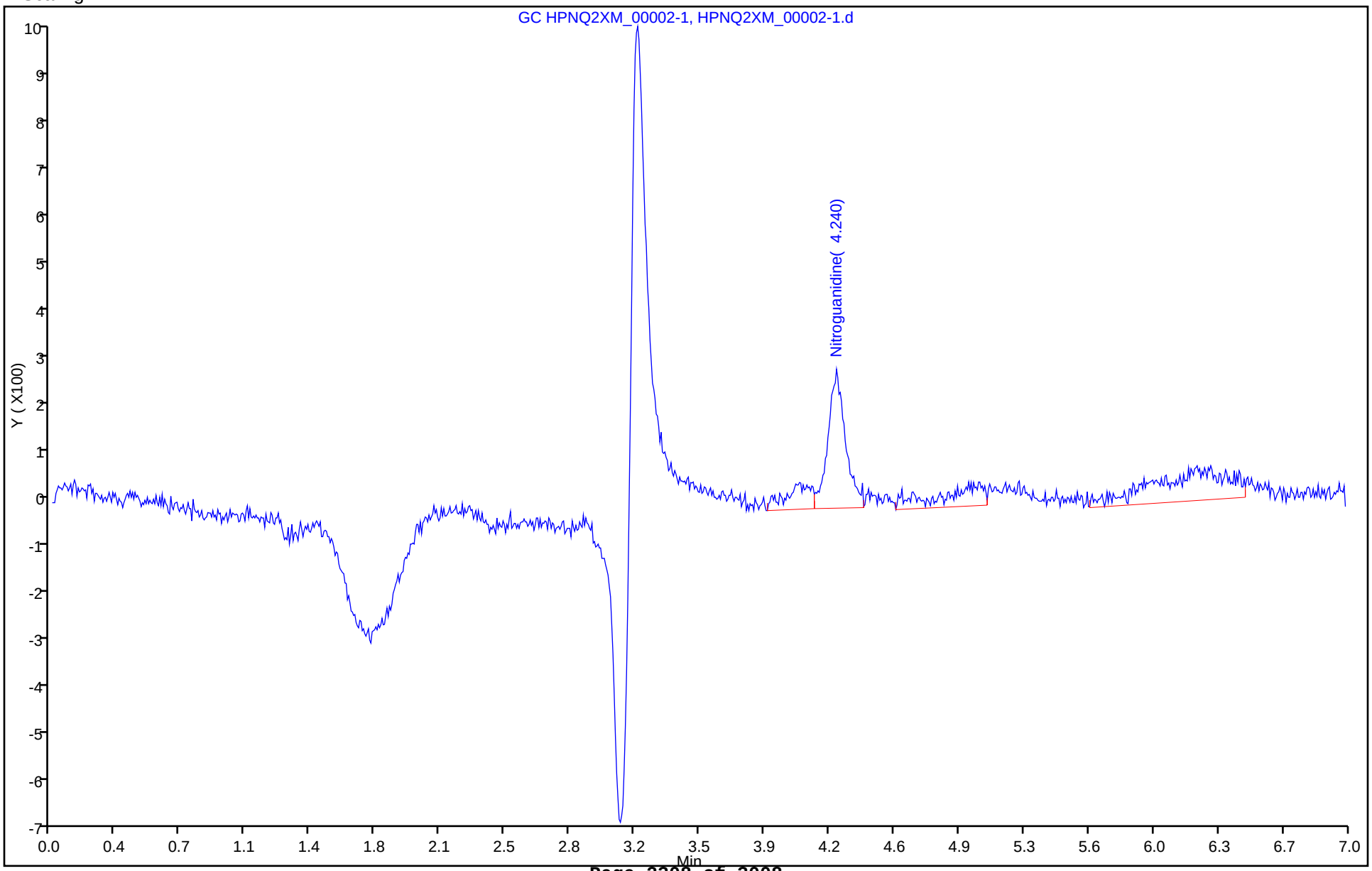
Report Date: 30-Oct-2012 09:03:42 Chrom Revision: 2.1 24-Oct-2012 08:48:06

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQ2XM_00002-1.d

Injection Date:	17-Oct-2012 11:24:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	4663	Lims Sample ID:	12
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCVL 320-6611/3 Calibration Date: 11/29/2012 15:29

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: 320-0001600-003-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	49.60		21.1	20.0	5.3	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCVL 320-6611/3 Calibration Date: 11/29/2012 15:29

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: 320-0001600-003-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.27	4.02	4.52

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-003-1.d		
Lims ID:	CCVL	Client ID:	
Inject. Date:	29-Nov-2012 15:29:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0001600-003 Analysis		
Misc. Info.:	none MRL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	6611	Lims Sample ID:	3
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001600-003-1		
Method:	\\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m		
Last Update:	30-Nov-2012 07:31:30	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 30-Nov-2012 07:31:30

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.273	4.273	0.0	992	21.1	

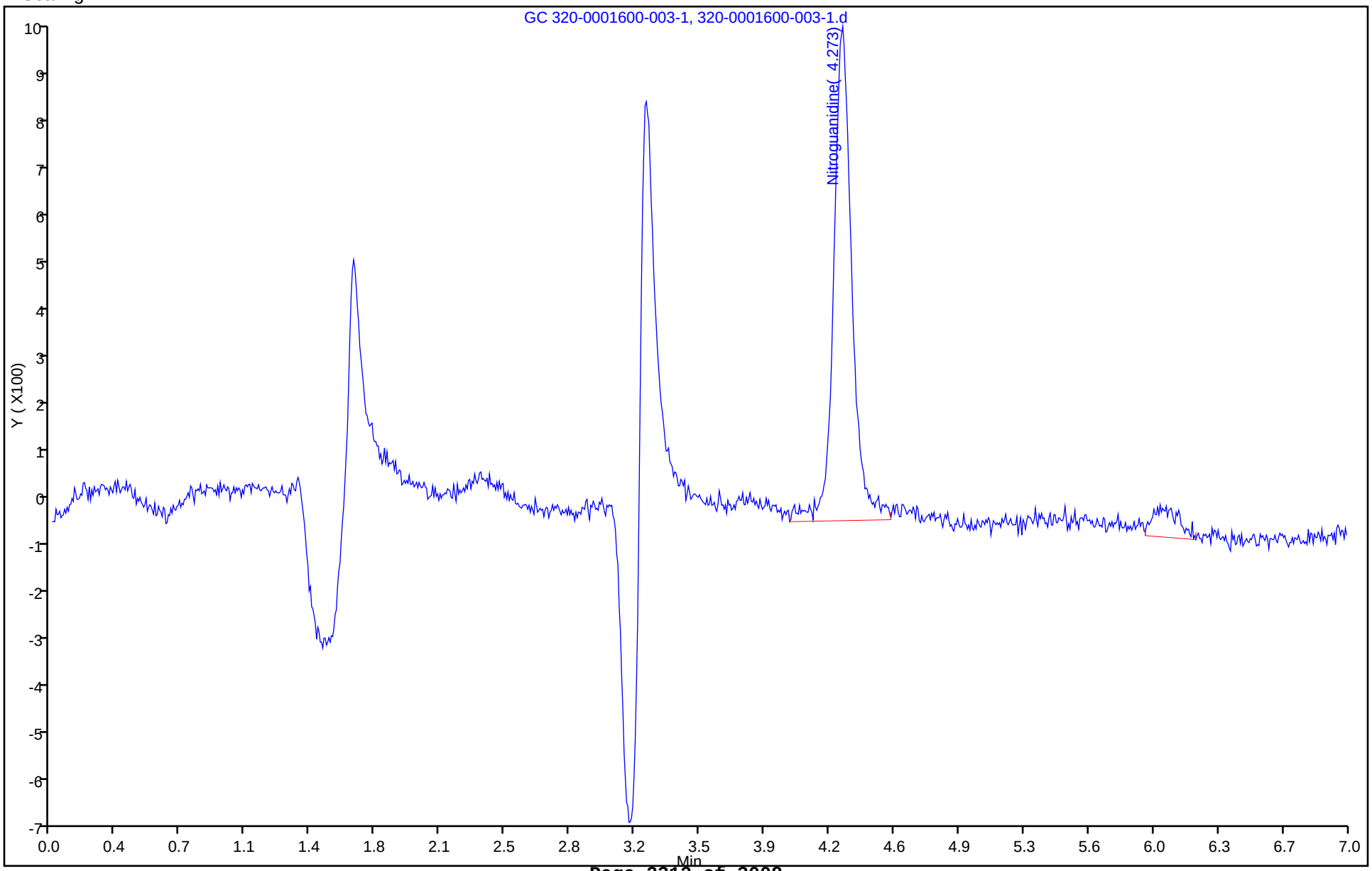
Report Date: 30-Nov-2012 07:31:30 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-003-1.d

Injection Date:	29-Nov-2012 15:29:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	6611	Lims Sample ID:	3
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 320-6611/4 Calibration Date: 11/29/2012 15:44

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: 320-0001600-004-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	48.17		204	200	2.2	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 320-6611/4 Calibration Date: 11/29/2012 15:44

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: 320-0001600-004-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.25	4.00	4.50

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-004-1.d		
Lims ID:	ccv 05	Client ID:	
Inject. Date:	29-Nov-2012 15:44:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	320-0001600-004 Analysis		
Misc. Info.:	none STD05		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	6611	Lims Sample ID:	4
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001600-004-1		
Method:	\\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m		
Last Update:	30-Nov-2012 07:34:09	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 30-Nov-2012 07:34:09

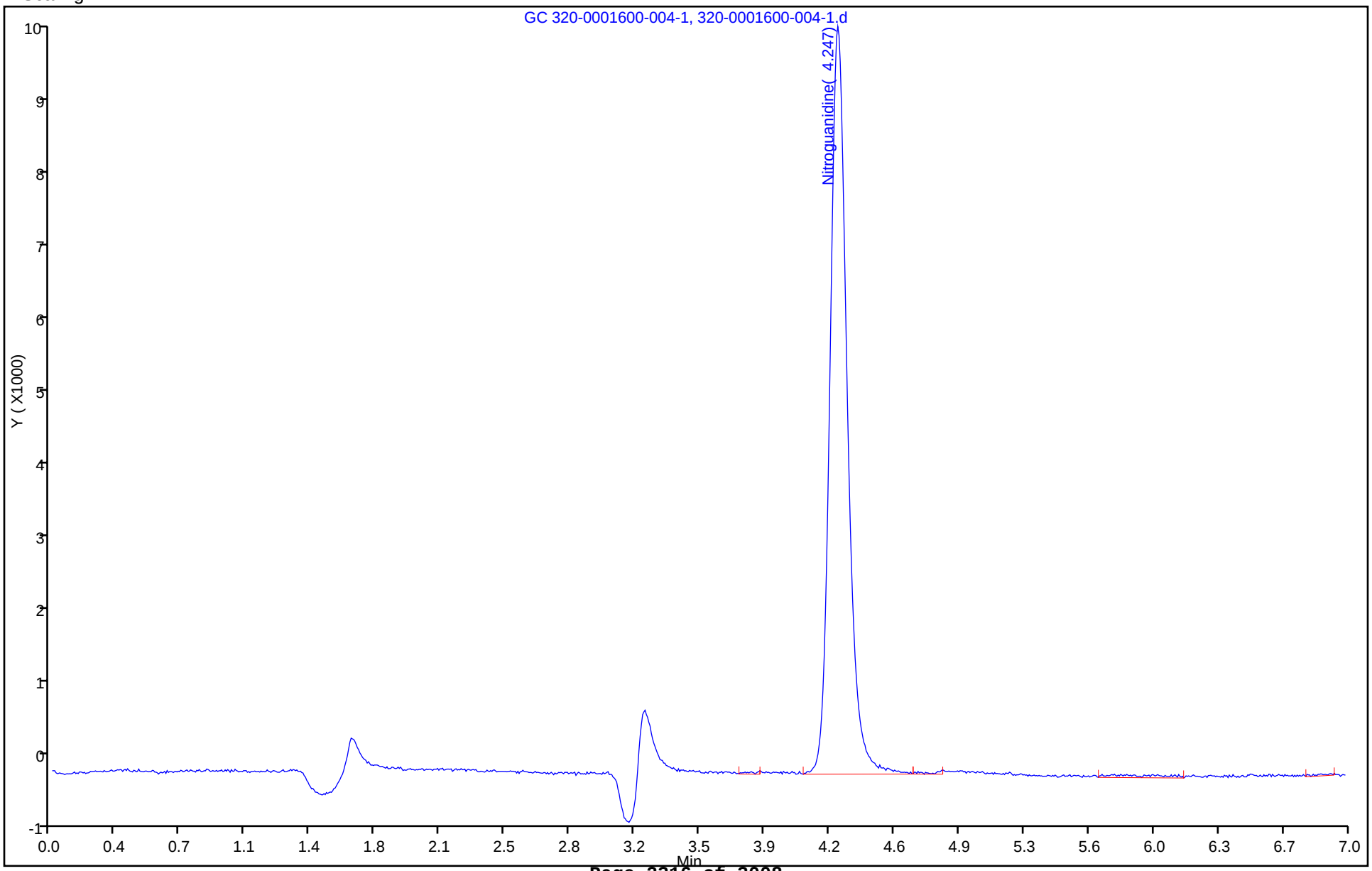
RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.247	4.247	0.0	9634	204.5	

Report Date: 30-Nov-2012 07:34:09 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-004-1.d		
Injection Date:	29-Nov-2012 15:44:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	6611	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 320-6611/15 Calibration Date: 11/29/2012 18:21

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: 320-0001600-015-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	47.88		102	100	1.6	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 320-6611/15 Calibration Date: 11/29/2012 18:21

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: 320-0001600-015-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.24	3.99	4.49

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-015-1.d		
Lims ID:	ccv 04	Client ID:	
Inject. Date:	29-Nov-2012 18:21:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	320-0001600-015 Analysis		
Misc. Info.:	none STD04		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	6611	Lims Sample ID:	15
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001600-015-1		
Method:	\\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m		
Last Update:	30-Nov-2012 07:42:13	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 30-Nov-2012 07:42:13

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.240	4.240	0.0	4788	101.6	

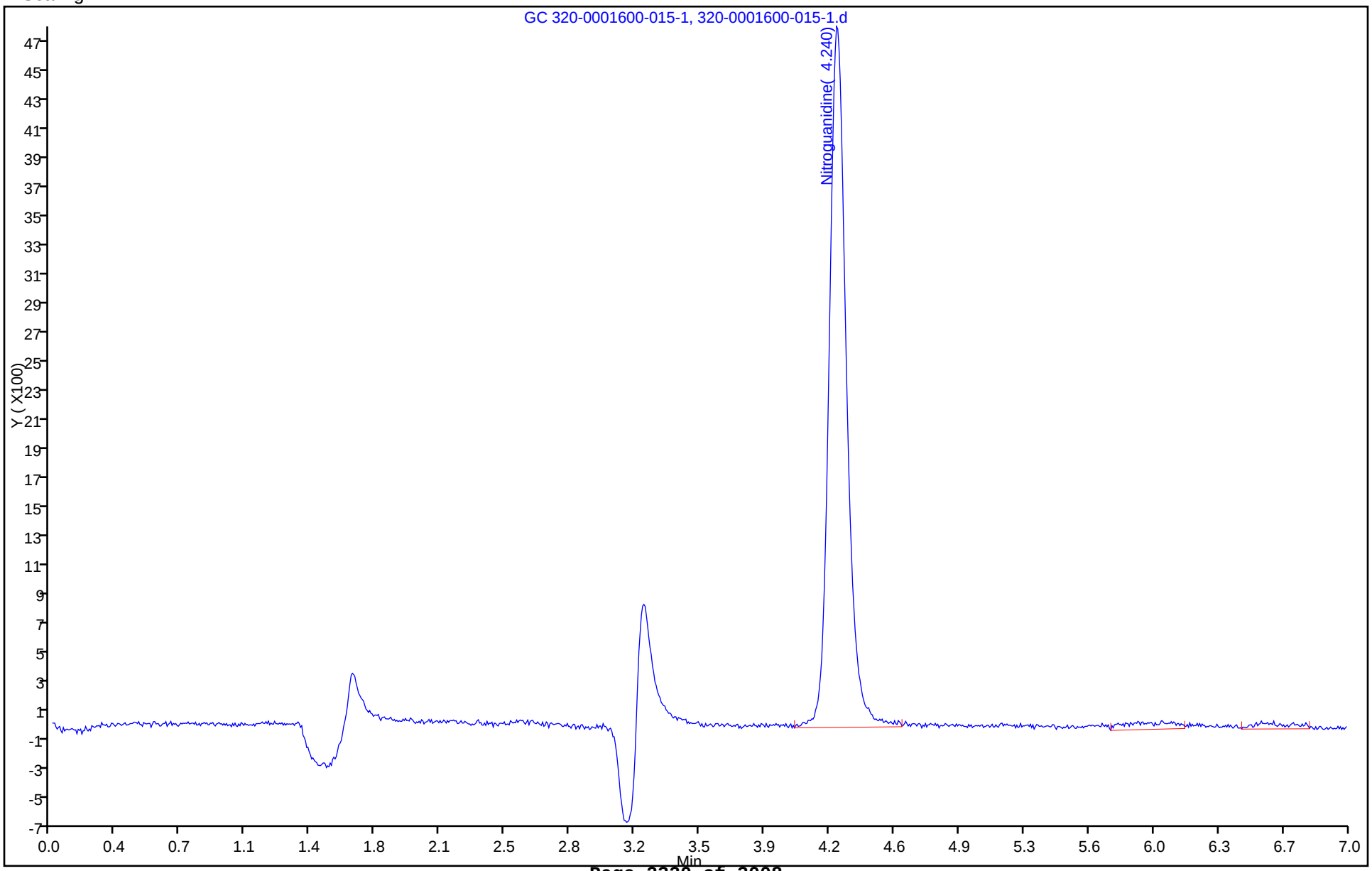
Report Date: 30-Nov-2012 07:42:14 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-015-1.d

Injection Date:	29-Nov-2012 18:21:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	6611	Lims Sample ID:	15
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCVL 320-6611/26 Calibration Date: 11/29/2012 20:59

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: 320-0001600-026-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	49.20		20.9	20.0	4.4	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCVL 320-6611/26 Calibration Date: 11/29/2012 20:59

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: 320-0001600-026-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.23	3.98	4.48

Form VII 8330 Modified

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-026-1.d		
Lims ID:	CCVL	Client ID:	
Inject. Date:	29-Nov-2012 20:59:00	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0001600-026 Analysis		
Misc. Info.:	none MRL		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	6611	Lims Sample ID:	26
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001600-026-1		
Method:	\\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m		
Last Update:	30-Nov-2012 07:46:21	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 30-Nov-2012 07:46:21

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.227	4.227	0.0	984	20.9	

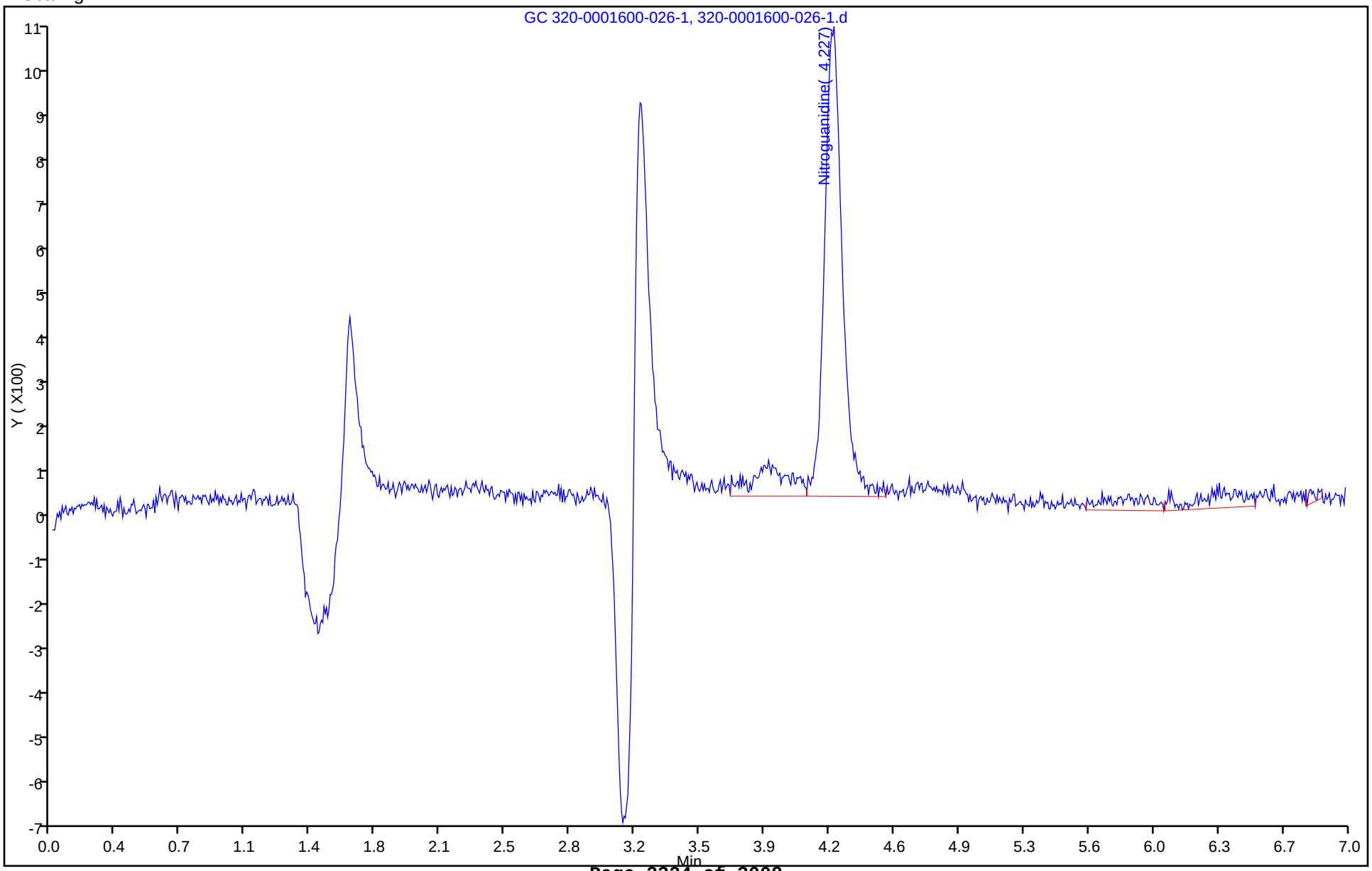
Report Date: 30-Nov-2012 07:46:22 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-026-1.d

Injection Date:	29-Nov-2012 20:59:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	6611	Lims Sample ID:	26
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 320-6611/27 Calibration Date: 11/29/2012 21:13

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: 320-0001600-027-1.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitroguanidine	Ave	47.12	47.85		102	100	1.5	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCV 320-6611/27 Calibration Date: 11/29/2012 21:13

Instrument ID: PDA1 Calib Start Date: 10/17/2012 09:29

GC Column: Luna NH2 ID: 4.60(mm) Calib End Date: 10/17/2012 10:41

Lab File ID: 320-0001600-027-1.d

Analyte	RT	RT WINDOW	
		FROM	TO
Nitroguanidine	4.22	3.97	4.47

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-027-1.d		
Lims ID:	ccv 04	Client ID:	
Inject. Date:	29-Nov-2012 21:13:00	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	320-0001600-027 Analysis		
Misc. Info.:	none STD04		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	6611	Lims Sample ID:	27
Sublist:	chrom-NGu Primary*sub1		
Detector:	GC 320-0001600-027-1		
Method:	\\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m		
Last Update:	30-Nov-2012 07:46:34	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 30-Nov-2012 07:46:34

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.220	4.220	0.0	4785	101.5	

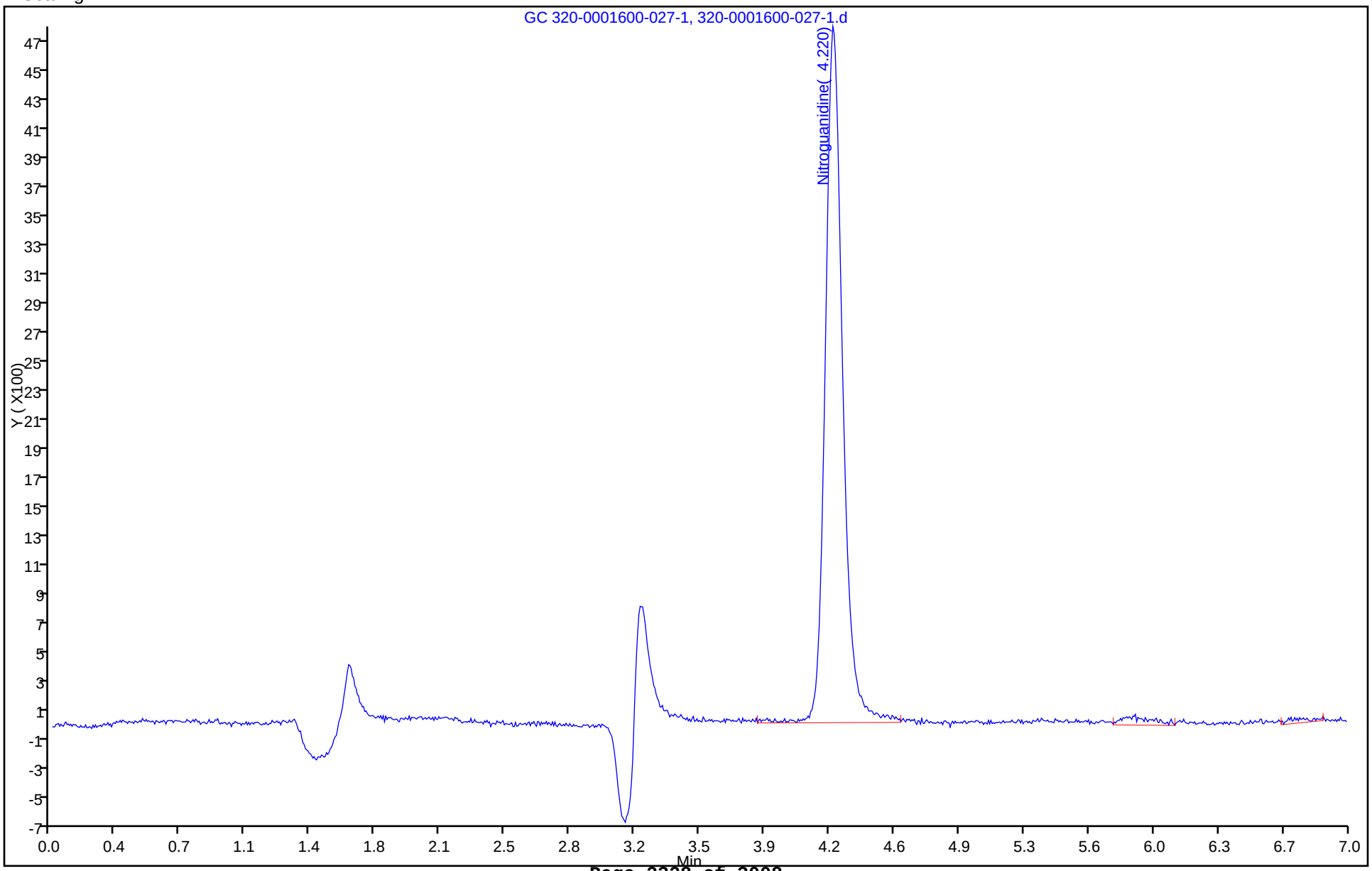
Report Date: 30-Nov-2012 07:46:35 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-027-1.d

Injection Date:	29-Nov-2012 21:13:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	6611	Lims Sample ID:	27
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-6242/1-A

Matrix: Solid Lab File ID: 320-0001600-011-1.d

Analysis Method: 8330 Modified Date Collected:

Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38

Sample wt/vol: 2.00(g) Date Analyzed: 11/29/2012 17:24

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.040	U	0.25	0.040	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-011-1.d		
Lims ID:	MB 320-6242/1-A	Client ID:	
Inject. Date:	29-Nov-2012 17:24:00	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0001600-011 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	6611	Lims Sample ID:	11
Detector:	GC 320-0001600-011-1		
Method:	\\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m		
Last Update:	30-Nov-2012 07:39:50	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 30-Nov-2012 07:39:50

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.367	4.247	0.120	97	2.06	

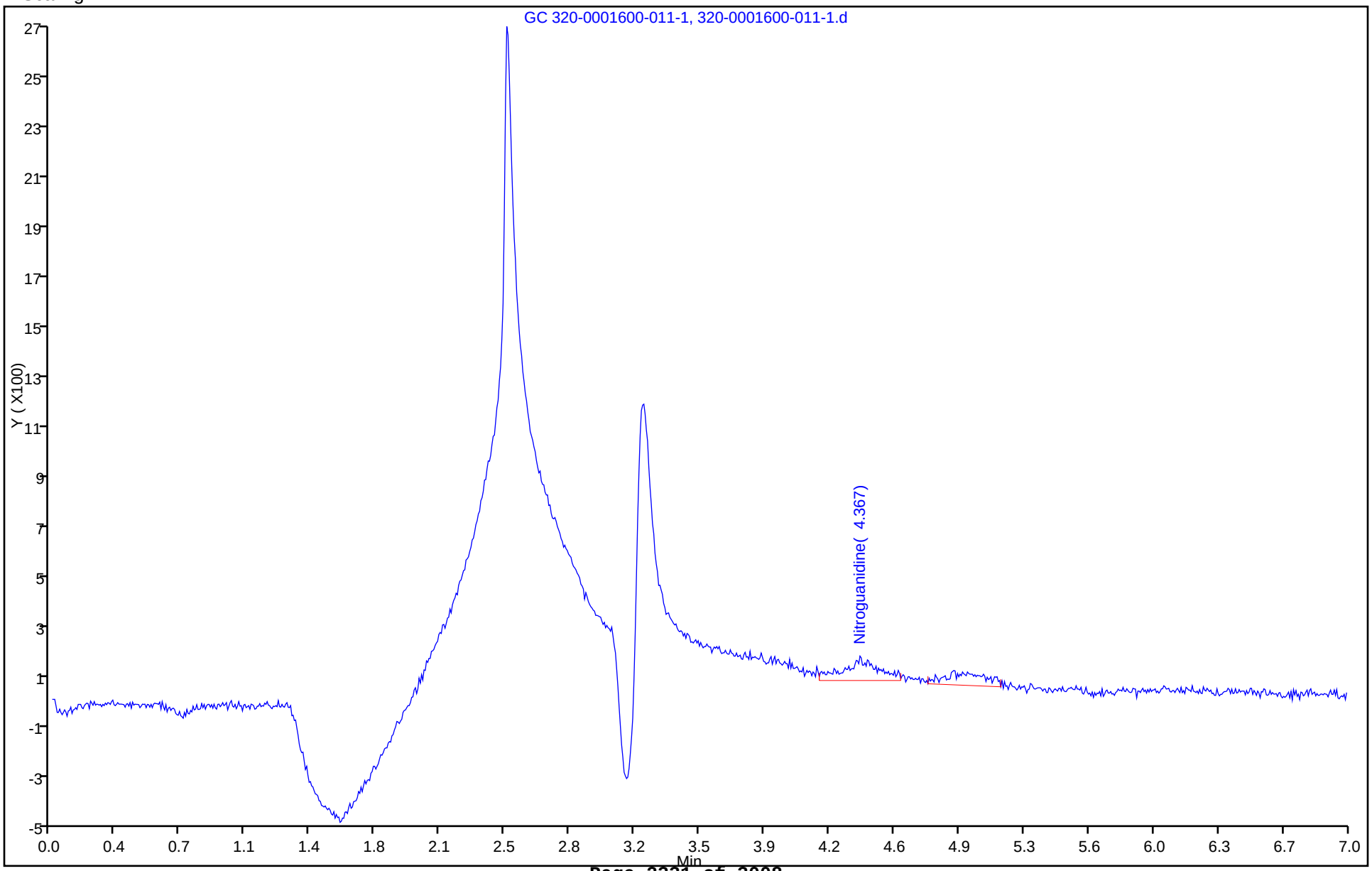
Report Date: 30-Nov-2012 07:39:50 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-011-1.d

Injection Date:	29-Nov-2012 17:24:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	6611	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 320-6242/2-A

Matrix: Solid Lab File ID: 320-0001600-012-1.d

Analysis Method: 8330 Modified Date Collected:

Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38

Sample wt/vol: 2.00(g) Date Analyzed: 11/29/2012 17:38

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.978		0.25	0.040	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-012-1.d		
Lims ID:	LCS 320-6242/2-A	Client ID:	
Inject. Date:	29-Nov-2012 17:38:00	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	320-0001600-012 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	6611	Lims Sample ID:	12
Detector:	GC 320-0001600-012-1		
Method:	\\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m		
Last Update:	30-Nov-2012 07:40:20	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 30-Nov-2012 07:40:20

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1 Nitroguanidine					
4.220	4.247	-0.027	9218	195.6	

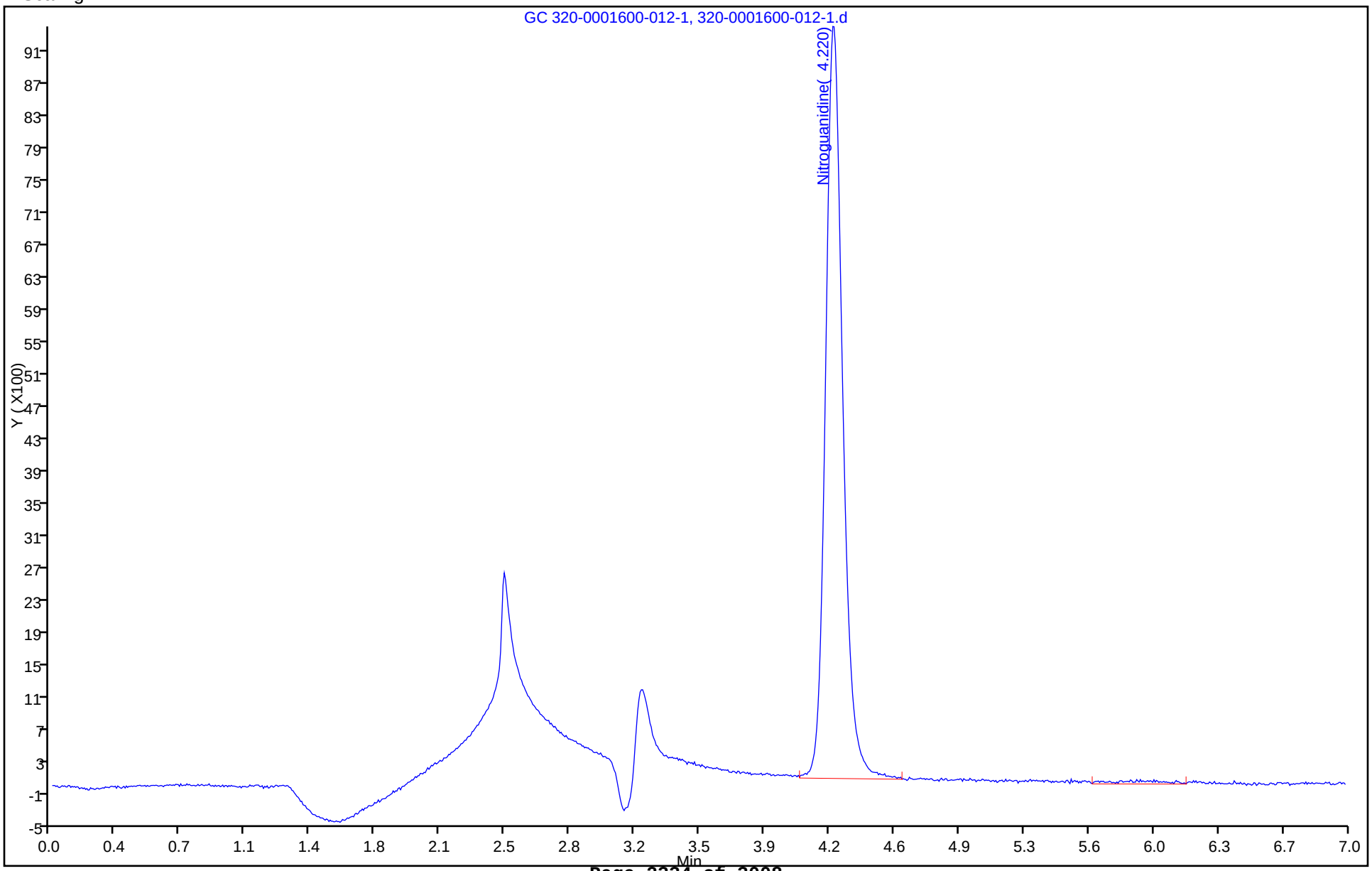
Report Date: 30-Nov-2012 07:40:20 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File: \\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-012-1.d

Injection Date:	29-Nov-2012 17:38:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:		Instrument ID:	PDA1
Lims Batch ID:	6611	Lims Sample ID:	12
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS Lab Sample ID: 240-17477-6 MS

Matrix: Solid Lab File ID: 320-0001600-014-1.d

Analysis Method: 8330 Modified Date Collected: 11/09/2012 11:10

Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38

Sample wt/vol: 1.96(g) Date Analyzed: 11/29/2012 18:07

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.776		0.26	0.041	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-014-1.d		
Lims ID:	240-17477-A-6-X MS	Client ID:	079SS-0004M-0002-SO
Inject. Date:	29-Nov-2012 18:07:00	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	320-0001600-014 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	6611	Lims Sample ID:	14
Detector:	GC 320-0001600-014-1		
Method:	\\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m		
Last Update:	30-Nov-2012 07:41:58	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 30-Nov-2012 07:41:58

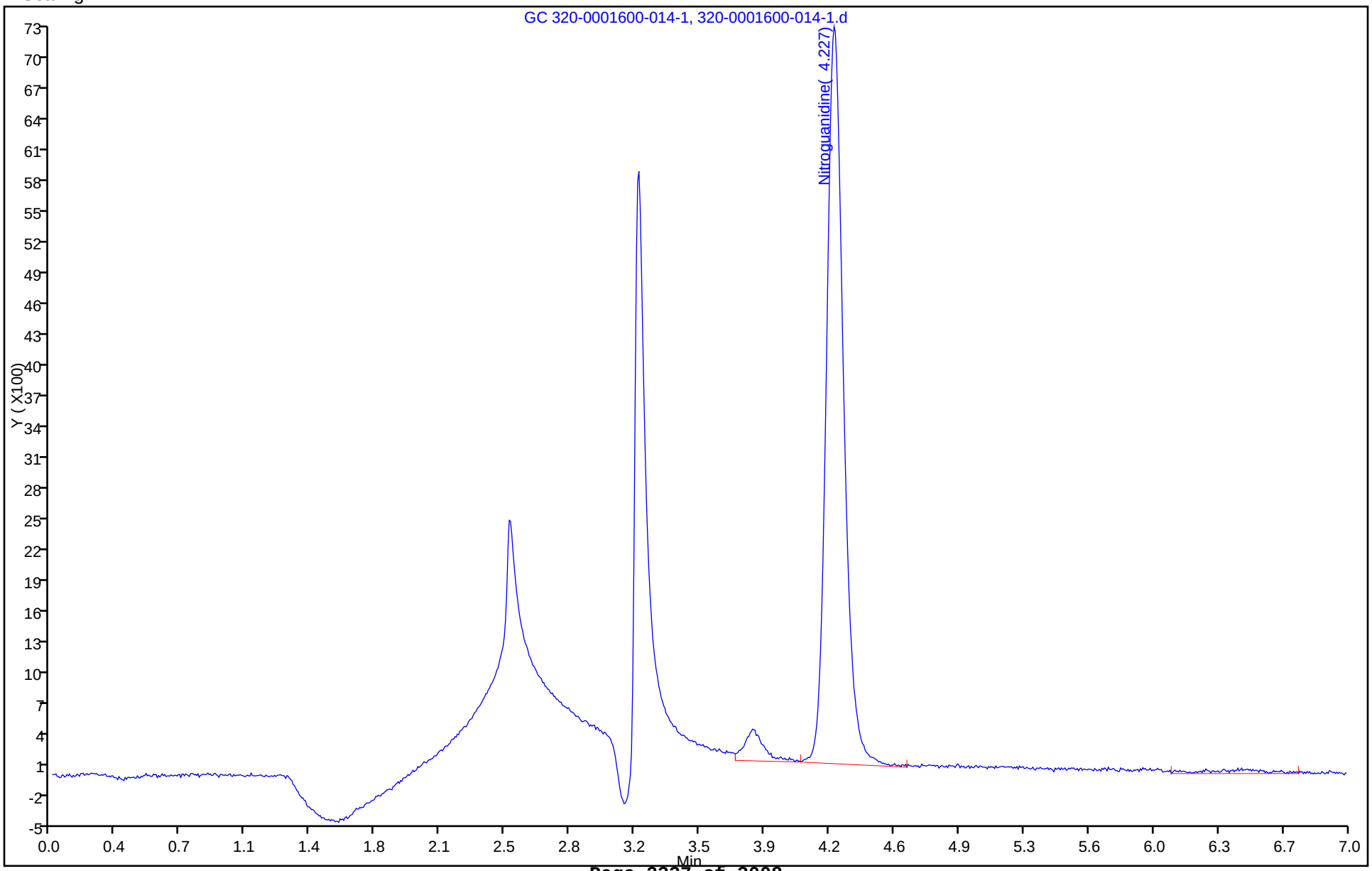
	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1	Nitroguanidine					
	4.227	4.247	-0.020	7167	152.1	

Report Date: 30-Nov-2012 07:41:58 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-014-1.d		
Injection Date:	29-Nov-2012 18:07:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	PDA1
Lims Batch ID:	6611	Lims Sample ID:	14
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD Lab Sample ID: 240-17477-6 MSD

Matrix: Solid Lab File ID: 320-0001600-016-1.d

Analysis Method: 8330 Modified Date Collected: 11/09/2012 11:10

Extraction Method: Sieve/Ultrasoni Date Extracted: 11/21/2012 14:38

Sample wt/vol: 2.03(g) Date Analyzed: 11/29/2012 18:36

Con. Extract Vol.: 10.00(mL) Dilution Factor: 1

Injection Volume: 50(uL) GC Column: Luna NH2 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
556-88-7	Nitroguanidine	0.740		0.25	0.039	0.020

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-016-1.d		
Lims ID:	240-17477-A-6-Y MSD	Client ID:	079SS-0004M-0002-SO
Inject. Date:	29-Nov-2012 18:36:00	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	320-0001600-016 Analysis		
Misc. Info.:	none		
Operator:	RN	Instrument ID:	PDA1
Injection Vol:	50.0 ul	ALS Bottle#:	0
Lims Batch ID:	6611	Lims Sample ID:	16
Detector:	GC 320-0001600-016-1		
Method:	\\SACChrom\ChromData\PDA1\20121129-1600.b\NGu Primary.m		
Last Update:	30-Nov-2012 07:42:46	Calib Date:	17-Oct-2012 10:41:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\PDA1\20121016-1075.b\HPNQL7_00003-1.d		
Limit Group:	LC 8330 Ngu ICAL		
Integrator:	Falcon		
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm
Process Host:	XAWRK002		

First Level Reviewer: noonanr Date: 30-Nov-2012 07:42:46

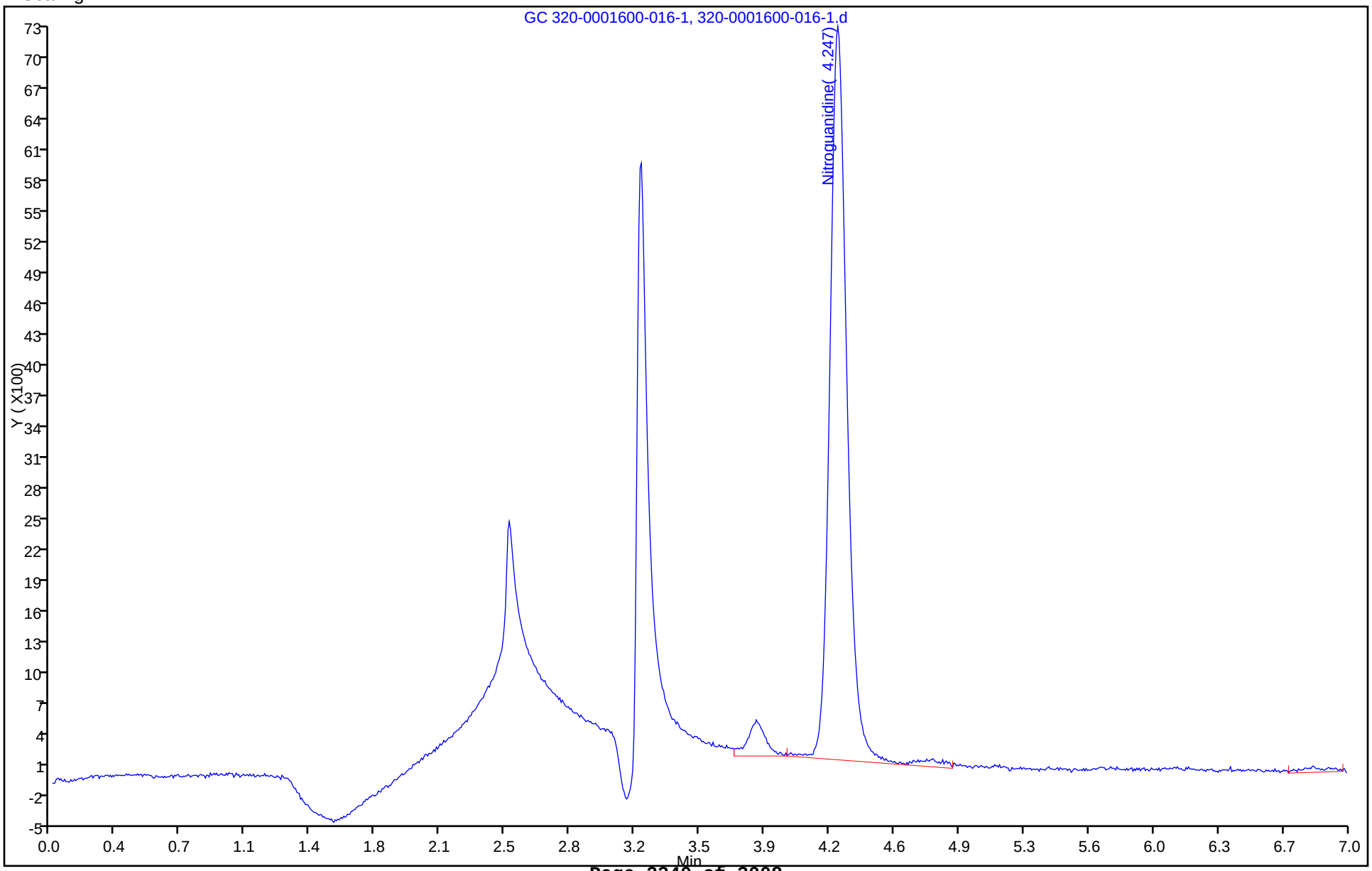
	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
1	Nitroguanidine					
	4.247	4.240	0.007	7080	150.3	

Report Date: 30-Nov-2012 07:42:46 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\PDA1\20121129-1600.b\320-0001600-016-1.d		
Injection Date:	29-Nov-2012 18:36:00	Limit Group:	LC 8330 Ngu ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	PDA1
Lims Batch ID:	6611	Lims Sample ID:	16
Operator ID:	RN	Injection Vol:	50.0 ul
Column Type:	Luna 5u NH2 100A	Column Dia:	4.60 mm

Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Instrument ID: PDA1 Start Date: 10/17/2012 09:15

Analysis Batch Number: 4663 End Date: 10/17/2012 11:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
EB 320-4663/3 ICB		10/17/2012 09:15	1		Luna NH2 4.6(mm)
STD02 320-4663/4 IC		10/17/2012 09:29	1	HPNQL2_00003-1.d	Luna NH2 4.6(mm)
STD03 320-4663/5 IC		10/17/2012 09:44	1	HPNQL3_00003-1.d	Luna NH2 4.6(mm)
STD04 320-4663/6 IC		10/17/2012 09:58	1	HPNQL4_00003-1.d	Luna NH2 4.6(mm)
STD05 320-4663/7 IC		10/17/2012 10:12	1	HPNQL5_00003-1.d	Luna NH2 4.6(mm)
STD06 320-4663/8 IC		10/17/2012 10:27	1	HPNQL6_00003-1.d	Luna NH2 4.6(mm)
STD07 320-4663/9 IC		10/17/2012 10:41	1	HPNQL7_00003-1.d	Luna NH2 4.6(mm)
EB 320-4663/10 CCB		10/17/2012 10:55	1		
ICV 320-4663/11		10/17/2012 11:10	1	HPNQIC_00002;001-1.d	Luna NH2 4.6(mm)
LODV 320-4663/12		10/17/2012 11:24	1	HPNQ2XM_00002-1.d	Luna NH2 4.6(mm)
CCVL 320-4663/13		10/17/2012 11:38	1		Luna NH2 4.6(mm)

8330 Modified

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Instrument ID: PDA1 Start Date: 11/29/2012 15:29

Analysis Batch Number: 6611 End Date: 11/29/2012 21:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVL 320-6611/3		11/29/2012 15:29	1	320-0001600-003 -1.d	Luna NH2 4.6(mm)
CCV 320-6611/4		11/29/2012 15:44	1	320-0001600-004 -1.d	Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 15:58	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 16:12	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 16:27	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 16:41	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 16:55	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 17:10	1		Luna NH2 4.6(mm)
MB 320-6242/1-A		11/29/2012 17:24	1	320-0001600-011 -1.d	Luna NH2 4.6(mm)
LCS 320-6242/2-A		11/29/2012 17:38	1	320-0001600-012 -1.d	Luna NH2 4.6(mm)
240-17477-6	079SS-0004M-0001-SO	11/29/2012 17:53	1	320-0001600-013 -1.d	Luna NH2 4.6(mm)
240-17477-6 MS	079SS-0004M-0001-SO MS	11/29/2012 18:07	1	320-0001600-014 -1.d	Luna NH2 4.6(mm)
CCV 320-6611/15		11/29/2012 18:21	1	320-0001600-015 -1.d	Luna NH2 4.6(mm)
240-17477-6 MSD	079SS-0004M-0001-SO MSD	11/29/2012 18:36	1	320-0001600-016 -1.d	Luna NH2 4.6(mm)
240-17477-7	079SS-0005M-0001-SO	11/29/2012 18:50	1	320-0001600-017 -1.d	Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 19:04	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 19:19	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 19:33	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 19:47	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 20:02	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 20:16	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 20:30	1		Luna NH2 4.6(mm)
ZZZZZ		11/29/2012 20:45	1		Luna NH2 4.6(mm)
CCVL 320-6611/26		11/29/2012 20:59	1	320-0001600-026 -1.d	Luna NH2 4.6(mm)
CCV 320-6611/27		11/29/2012 21:13	1	320-0001600-027 -1.d	Luna NH2 4.6(mm)

8330 Modified

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Batch Number: 6242 Batch Start Date: 11/21/12 14:38 Batch Analyst: Reed, Jonathan E

Batch Method: Sieve/Ultrasoni Batch End Date: 11/26/12 16:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNQSP 00006			
MB 320-6242/1		Sieve/Ultrasoni, 8330 Modified		2.00 g	10.00 mL				
LCS 320-6242/2		Sieve/Ultrasoni, 8330 Modified		2.00 g	10.00 mL	40 uL			
240-17477-A-6	079SS-0004M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.04 g	10.00 mL				
240-17477-A-6 MS	079SS-0004M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	1.96 g	10.00 mL	40 uL			
240-17477-A-6 MSD	079SS-0004M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	2.03 g	10.00 mL	40 uL			
240-17477-F-7	079SS-0005M-0001-SO	Sieve/Ultrasoni, 8330 Modified	T	1.97 g	10.00 mL				

Batch Notes	
Balance ID	QA-070
Calcium Chloride Reagent ID	CaCl2_00003
Date of Clean up	11-26-12
Analyst performed Clean Up	HA
Filter Lot #	R2DA02309
Filter Type	.45 FILTER MILLIPORE
Person's name who witnessed reagent drop	ANIL MANTRI
Blank Sand Lot #	FISHER 120571
Sonication End Date	11-22-12
Sonication Start Date	11-21-12
Sonication Start Time	20:10
Sonication Stop Time	14:10
SOP Number	WS-LC-0010
Maximum Temperature	35 Degrees C
Minimum Temperature	0 Degrees C

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Batch Number: 6242 Batch Start Date: 11/21/12 14:38 Batch Analyst: Reed, Jonathan E

Batch Method: Sieve/Ultrasoni Batch End Date: 11/26/12 16:05

Basis	Basis Description
T	Total/NA

Method 8330B

Nitroaromatics and Nitramines (HPLC) by Method 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Synergi C18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	DNT1 #
079SS-0004M-0001-SO	240-17477-6	92
079SS-0005M-0001-SO	240-17477-7	94
	MB 320-6245/1-A	94
	LCS 320-6245/2-A	96
079SS-0004M-0001-SO MS	240-17477-6 MS	92
079SS-0004M-0001-SO MSD	240-17477-6 MSD	93

	QC LIMITS
DNT = 3,4-Dinitrotoluene	78-118

Column to be used to flag recovery values

FORM II 8330B

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: ZD000039.D

Lab ID: LCS 320-6245/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.500	0.495	99	79-119	
4-Amino-2,6-dinitrotoluene	0.500	0.512	102	81-121	
1,3-Dinitrobenzene	0.500	0.508	102	81-121	
2,4-Dinitrotoluene	0.500	0.498	100	79-119	
2,6-Dinitrotoluene	0.500	0.486	97	79-119	
HMX	0.500	0.507	101	80-120	
Nitrobenzene	0.500	0.499	100	80-120	
Nitroglycerin	1.00	0.968	97	76-116	
2-Nitrotoluene	0.500	0.465	93	78-118	
3-Nitrotoluene	0.500	0.478	96	77-117	
4-Nitrotoluene	0.500	0.472	94	78-118	
PETN	1.00	0.948	95	76-116	
RDX	0.500	0.497	99	82-122	
Tetryl	0.500	0.417	83	63-120	
1,3,5-Trinitrobenzene	0.500	0.510	102	81-121	
2,4,6-Trinitrotoluene	0.500	0.417	83	65-105	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: ZD000041.D

Lab ID: 240-17477-6 MS Client ID: 079SS-0004M-0001-SO MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.500	0.050 U	0.472	94	79-119	
4-Amino-2,6-dinitrotoluene	0.500	0.050 U	0.489	98	81-121	
1,3-Dinitrobenzene	0.500	0.050 U	0.500	100	81-121	
2,4-Dinitrotoluene	0.500	0.050 U	0.484	97	79-119	
2,6-Dinitrotoluene	0.500	0.050 U	0.478	96	79-119	
HMX	0.500	0.050 U	0.494	99	80-120	
Nitrobenzene	0.500	0.050 U	0.484	97	80-120	
Nitroglycerin	1.00	0.25 U	0.964	96	76-116	
2-Nitrotoluene	0.500	0.050 U	0.468	94	78-118	
3-Nitrotoluene	0.500	0.050 U	0.475	95	77-117	
4-Nitrotoluene	0.500	0.050 U	0.459	92	78-118	
PETN	1.00	0.25 U	0.956	96	76-116	
RDX	0.500	0.050 U	0.473	95	82-122	
Tetryl	0.500	0.050 U	0.401	80	63-120	
1,3,5-Trinitrobenzene	0.500	0.050 U	0.492	98	81-121	
2,4,6-Trinitrotoluene	0.500	0.050 U	0.401	80	65-105	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: ZD000042.D

Lab ID: 240-17477-6 MSD Client ID: 079SS-0004M-0001-SO MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.497	0.474	95	0	20	79-119	
4-Amino-2,6-dinitrotoluene	0.497	0.500	101	2	20	81-121	
1,3-Dinitrobenzene	0.497	0.494	99	1	20	81-121	
2,4-Dinitrotoluene	0.497	0.483	97	0	20	79-119	
2,6-Dinitrotoluene	0.497	0.481	97	1	20	79-119	
HMX	0.497	0.492	99	0	20	80-120	
Nitrobenzene	0.497	0.492	99	2	20	80-120	
Nitroglycerin	0.993	0.937	94	3	20	76-116	
2-Nitrotoluene	0.497	0.464	93	1	20	78-118	
3-Nitrotoluene	0.497	0.483	97	2	20	77-117	
4-Nitrotoluene	0.497	0.467	94	2	20	78-118	
PETN	0.993	0.991	100	4	20	76-116	
RDX	0.497	0.476	96	1	20	82-122	
Tetryl	0.497	0.411	83	3	20	63-120	
1,3,5-Trinitrobenzene	0.497	0.490	99	0	20	81-121	
2,4,6-Trinitrotoluene	0.497	0.407	82	2	20	65-105	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: MB 320-6245/1-A

Matrix: Solid Date Extracted: 11/21/2012 15:09

Lab File ID:(1) ZD000038.D Lab File ID:(2)

Date Analyzed:(1) 12/01/2012 11:13 Date Analyzed:(2)

Instrument ID:(1) LC10 Instrument ID:(2)

GC Column:(1) Synergi C18 ID: 4.6(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 320-6245/2-A	12/01/2012 11:53	
079SS-0004M-0001-SO	240-17477-6	12/01/2012 12:33	
079SS-0004M-0001-SO MS	240-17477-6 MS	12/01/2012 13:13	
079SS-0004M-0001-SO MSD	240-17477-6 MSD	12/01/2012 13:53	
079SS-0005M-0001-SO	240-17477-7	12/01/2012 14:33	

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Sample No.: STD05 320-6640/37 Date Analyzed: 12/01/2012 10:32

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm)

Lab File ID (Standard): ZD000037.D Heated Purge: (Y/N) N

Calibration ID: 1202

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DNT RT #		
CONTINUING CALIBRATION SURROGATE				16.70		
UPPER LIMIT				16.90		
LOWER LIMIT				16.50		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD05 320-6640/37 CCVRT		12/01/2012 10:32	ZD000037.D	16.70		
MB 320-6245/1-A		12/01/2012 11:13	ZD000038.D	16.71		
LCS 320-6245/2-A		12/01/2012 11:53	ZD000039.D	16.70		
240-17477-6	079SS-0004M-0001-SO	12/01/2012 12:33	ZD000040.D	16.70		
240-17477-6 MS	079SS-0004M-0001-SO MS	12/01/2012 13:13	ZD000041.D	16.69		
240-17477-6 MSD	079SS-0004M-0001-SO MSD	12/01/2012 13:53	ZD000042.D	16.73		
240-17477-7	079SS-0005M-0001-SO	12/01/2012 14:33	ZD000043.D	16.74		

DNT = 3,4-Dinitrotoluene

DNT RT Limit = ± 0.2 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8330B

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO Lab Sample ID: 240-17477-6

Matrix: Solid Lab File ID: ZD000040.D

Analysis Method: 8330B Date Collected: 11/09/2012 11:10

Extraction Method: 8330B Date Extracted: 11/21/2012 15:09

Sample wt/vol: 10.04(g) Date Analyzed: 12/01/2012 12:33

Con. Extract Vol.: 80.00(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0073
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.018
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.050	U	0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	92		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000040.D		
Lims ID:	240-17477-O-6-A	Client ID:	079SS-0004M-0001-SO
Inject. Date:	01-Dec-2012 12:33:23	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001608-040		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	42
Lims Batch ID:	6640	Lims Sample ID:	40
Method:	\\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m		
Last Update:	03-Dec-2012 09:04:51	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK011		

First Level Reviewer: noonanr Date: 03-Dec-2012 09:04:51

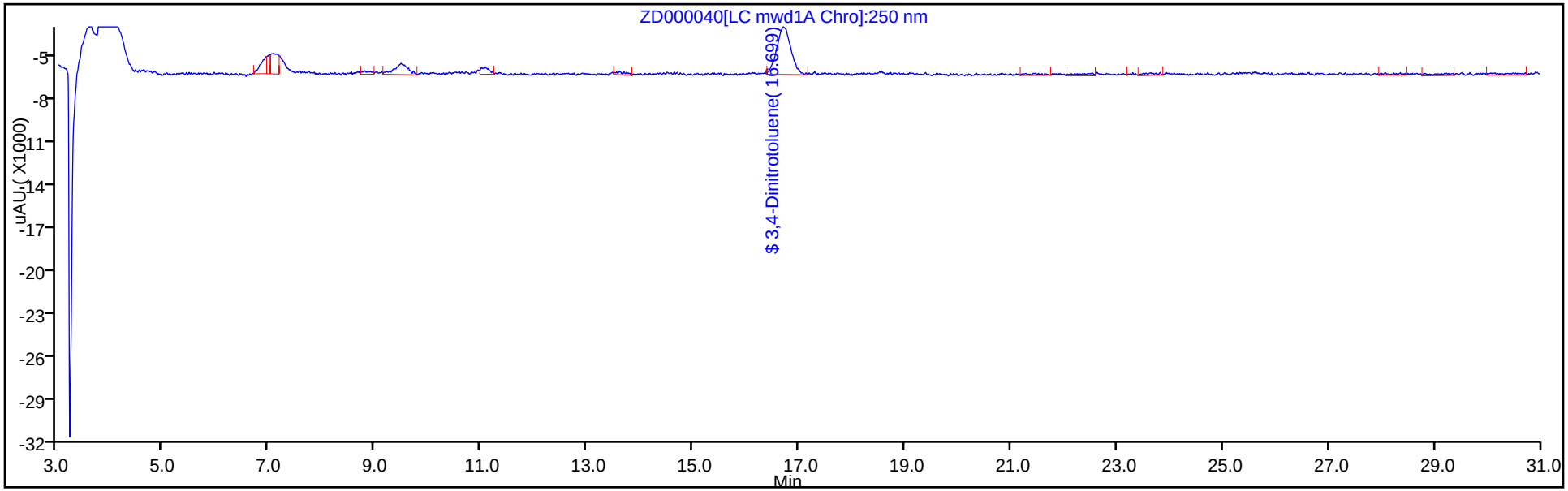
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	16.699	16.701	-0.002	3253	57.8	
2	16.706	16.701	0.005	6424	62.2	

Report Date: 03-Dec-2012 09:04:51 Chrom Revision: 2.1 29-Nov-2012 15:29:30

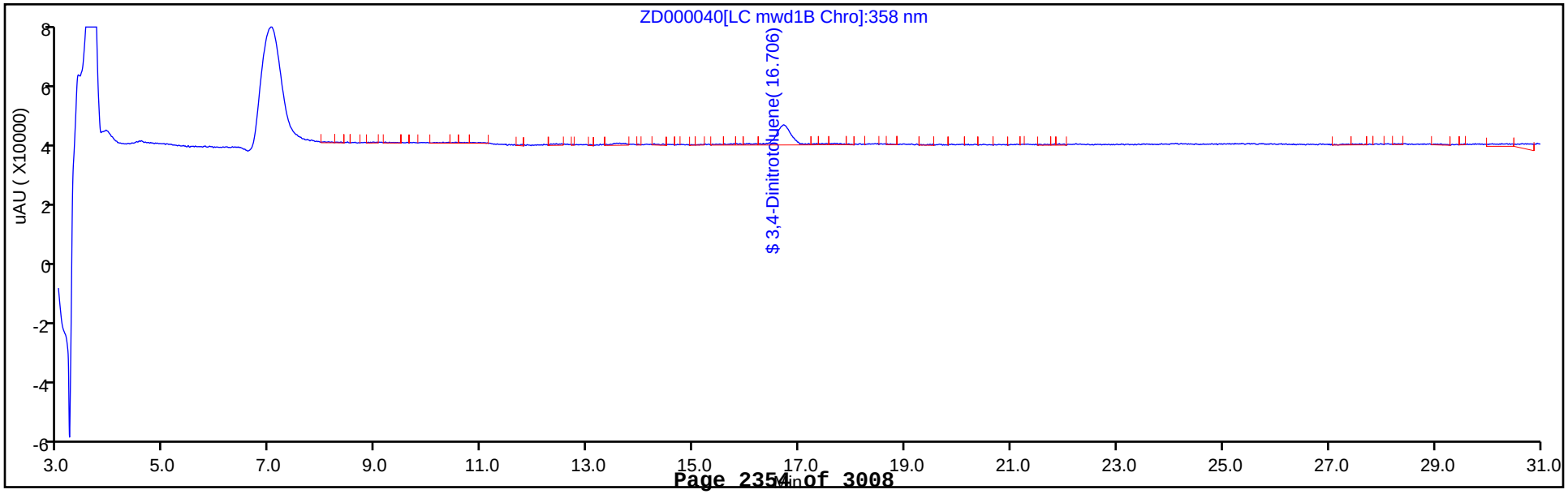
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000040.D		
Injection Date:	01-Dec-2012 12:33:23	Limit Group:	LC 8330B ICAL
Client ID:	079SS-0004M-0001-SO	Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	40
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0005M-0001-SO Lab Sample ID: 240-17477-7

Matrix: Solid Lab File ID: ZD000043.D

Analysis Method: 8330B Date Collected: 11/09/2012 11:10

Extraction Method: 8330B Date Extracted: 11/21/2012 15:09

Sample wt/vol: 9.98(g) Date Analyzed: 12/01/2012 14:33

Con. Extract Vol.: 80.00(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0073
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.018
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.050	U	0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	94		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000043.D		
Lims ID:	240-17477-F-7-B	Client ID:	079SS-0005M-0001-SO
Inject. Date:	01-Dec-2012 14:33:50	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	320-0001608-043		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	45
Lims Batch ID:	6640	Lims Sample ID:	43
Method:	\\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m		
Last Update:	03-Dec-2012 09:06:24	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK011		

First Level Reviewer: noonanr Date: 03-Dec-2012 09:06:24

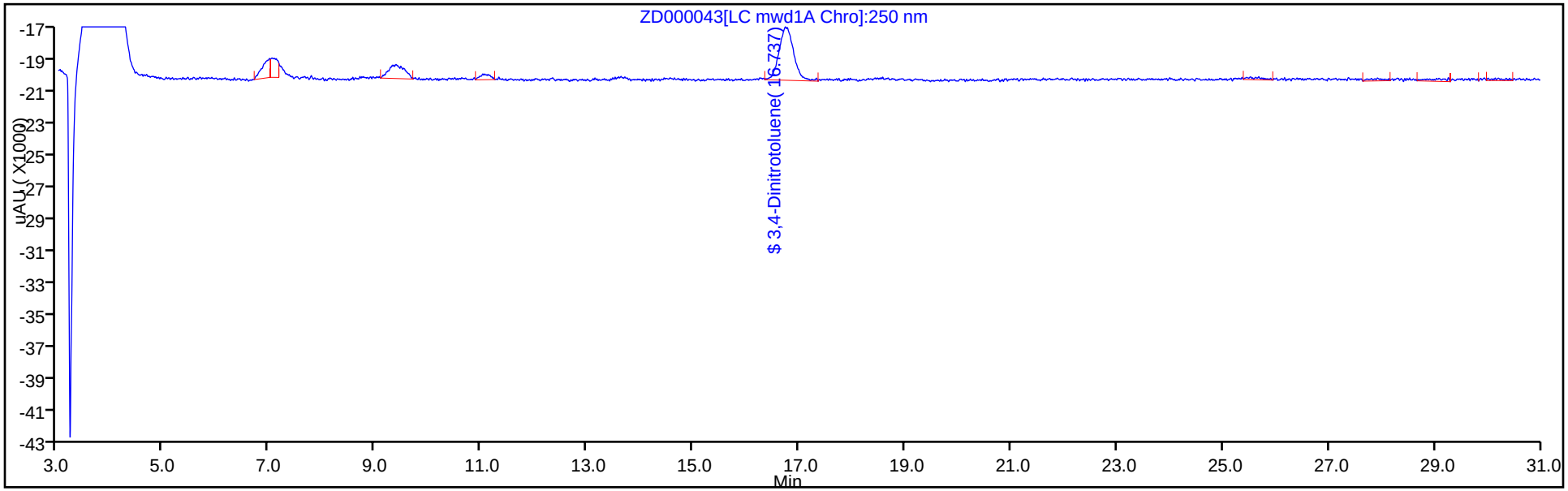
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	16.737	16.701	0.036	3295	58.5	
2	16.734	16.701	0.033	6289	60.9	

Report Date: 03-Dec-2012 09:06:24 Chrom Revision: 2.1 29-Nov-2012 15:29:30

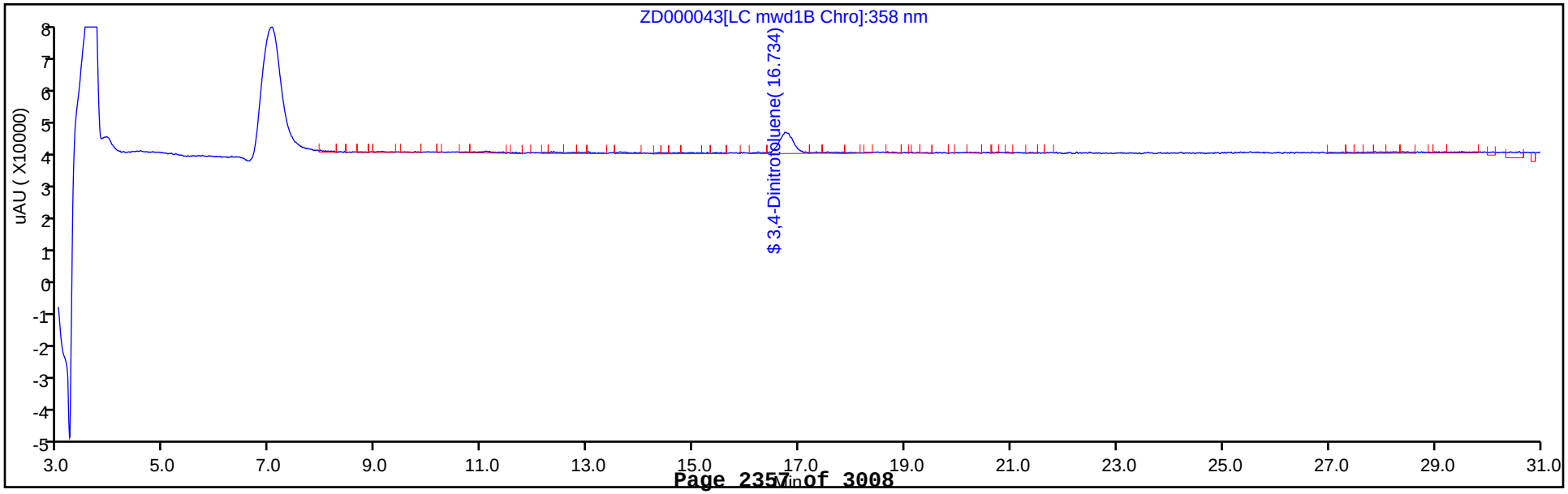
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000043.D		
Injection Date:	01-Dec-2012 14:33:50	Limit Group:	LC 8330B ICAL
Client ID:	079SS-0005M-0001-SO	Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	43
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
HMX	5.240	5.235	5.238	5.235	5.235	5.233	5.219	5.195			4.985 - 5.485	5.229
RDX	7.593	7.588	7.585	7.585	7.579	7.573	7.552	7.512			7.329 - 7.829	7.571
Ethylene glycol dinitrate	+++++	+++++	8.312	8.302	8.305	8.296	8.275	8.245			8.055 - 8.555	8.294
Picric acid	8.707	8.718	8.708	8.702	8.685	8.650	8.589	8.499			8.435 - 8.935	8.657
1,3,5-Trinitrobenzene	10.003	10.012	9.998	9.995	9.992	9.986	9.965	9.925			9.742 - 10.242	9.985
1,3-Dinitrobenzene	12.673	12.699	12.688	12.692	12.682	12.677	12.652	12.602			12.432 - 12.932	12.671
3,5-Dinitroaniline	13.447	13.449	13.452	13.455	13.449	13.437	13.406	13.349			13.199 - 13.699	13.431
Tetryl	13.950	13.925	13.952	13.942	13.939	13.933	13.912	13.866			13.689 - 14.189	13.927
Nitrobenzene	14.493	14.512	14.502	14.495	14.495	14.487	14.459	14.399			14.245 - 14.745	14.480
Nitroglycerin	+++++	+++++	15.205	15.209	15.202	15.197	15.172	15.126			14.952 - 15.452	15.185
2,4,6-Trinitrotoluene	16.083	16.075	16.075	16.085	16.069	16.067	16.046	16.002			15.819 - 16.319	16.063
4-Amino-2,6-dinitrotoluene	16.557	16.665	16.622	16.635	16.619	16.607	16.579	16.519			16.369 - 16.869	16.600
2-Amino-4,6-dinitrotoluene	17.617	17.619	17.595	17.602	17.595	17.587	17.552	17.489			17.345 - 17.845	17.582
2,6-Dinitrotoluene	19.280	19.342	19.318	19.299	19.285	19.293	19.259	19.199			19.035 - 19.535	19.284
2,4-Dinitrotoluene	19.877	19.965	19.915	19.939	19.925	19.917	19.886	19.829			19.675 - 20.175	19.907
2-Nitrotoluene	23.440	23.442	23.412	23.415	23.415	23.400	23.366	23.292			23.165 - 23.665	23.398
4-Nitrotoluene	25.103	25.095	25.135	25.092	25.102	25.087	25.062	24.989			24.852 - 25.352	25.083
3-Nitrotoluene	27.057	27.122	27.035	27.059	27.052	27.060	27.016	26.939			26.802 - 27.302	27.043
PETN	+++++	+++++	29.672	29.662	29.649	29.663	29.619	29.569			29.399 - 29.899	29.625
3,4-Dinitrotoluene	17.087	17.075	17.088	17.079	17.072	17.073	17.032	16.972			16.822 - 17.322	17.060

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
HMX	139.80 127.39	131.10 125.07	132.70 120.02	126.54 103.82	Ave		125.806000				8.5		20.0			
RDX	126.20 85.360	97.500 83.560	89.950 77.368	89.060 62.894	Ave		88.9865000				20.0		20.0			
Ethylene glycol dinitrate	+++++ 102.81	+++++ 100.64	106.60 93.280	99.580 78.274	Ave		96.8640000				10.0		20.0			
Picric acid	142.10 128.26	124.60 123.75	126.62 113.51	130.18 96.264	Ave		123.159625				11.0		20.0			
1,3,5-Trinitrobenzene	190.60 161.63	172.30 159.20	171.25 151.74	162.92 131.74	Ave		162.672500				10.0		20.0			
1,3-Dinitrobenzene	182.80 160.21	183.10 158.49	168.75 150.27	160.54 129.19	Ave		161.668750				11.0		20.0			
3,5-Dinitroaniline	130.40 101.39	110.30 101.56	102.95 97.078	103.96 83.656	Ave		103.911125				13.0		20.0			
Tetryl	110.60 82.640	87.300 84.365	81.400 83.418	84.500 78.184	Ave		86.5508750				12.0		20.0			
Nitrobenzene	96.600 71.160	77.100 71.370	75.300 67.000	72.860 58.527	Ave		73.7396250				15.0		20.0			
Nitroglycerin	+++++ 65.420	+++++ 64.655	74.350 62.646	65.760 56.481	Ave		64.8853333				8.9		20.0			
2,4,6-Trinitrotoluene	108.00 89.810	97.700 90.455	93.150 89.080	91.560 82.556	Ave		92.7888750				8.0		20.0			
4-Amino-2,6-dinitrotoluene	86.800 74.520	77.900 75.425	74.600 73.644	76.500 66.457	Ave		75.7307500				7.4		20.0			
2-Amino-4,6-dinitrotoluene	102.40 80.440	89.400 81.200	84.350 78.808	81.480 70.652	Ave		83.5912500				11.0		20.0			
2,6-Dinitrotoluene	77.800 56.200	62.900 57.230	57.300 55.882	58.140 51.202	Ave		59.5817500				13.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
2,4-Dinitrotoluene	109.40 93.730	102.00 94.515	96.050 92.458	94.760 84.833	Ave		95.9682500				7.5		20.0			
2-Nitrotoluene	58.800 41.500	51.400 40.795	46.600 39.480	41.280 36.585	Ave		44.5550000				16.0		20.0			
4-Nitrotoluene	65.200 50.470	61.200 50.165	55.000 48.764	50.940 45.695	Ave		53.4292500				12.0		20.0			
3-Nitrotoluene	67.800 50.030	60.900 50.960	54.550 49.432	51.100 46.712	Ave		53.9355000				13.0		20.0			
PETN	+++++ 36.310	+++++ 35.540	40.050 35.620	38.100 34.728	Ave		36.7246667				5.4		20.0			
3,4-Dinitrotoluene	77.000 52.480	53.700 53.370	51.600 55.173	53.480 53.734	Ave		56.3171667				15.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 320-3377/2	A-000006.D
Level 2	STD02 320-3377/3	A-000007.D
Level 3	STD03 320-3377/4	A-000008.D
Level 4	STD04 320-3377/5	A-000009.D
Level 5	STD05 320-3377/6	A-000010.D
Level 6	STD06 320-3377/7	A-000011.D
Level 7	STD07 320-3377/8	A-000012.D
Level 8	STD08 320-3377/9	A-000013.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
HMX	Ave	699 25014	1311 60012	2654 103824	6327	12739	5.00 200	10.0 500	20.0 1000	50.0	100
RDX	Ave	631 16712	975 38684	1799 62894	4453	8536	5.00 200	10.0 500	20.0 1000	50.0	100
Ethylene glycol dinitrate	Ave	+++++ 20128	+++++ 46640	2132 78274	4979	10281	+++++ 200	+++++ 500	20.0 1000	50.0	100
Picric acid	Ave	1421 61874	2492 113505	6331 192528	13018	25652	10.0 500	20.0 1000	50.0 2000	100	200
1,3,5-Trinitrobenzene	Ave	953 31839	1723 75872	3425 131741	8146	16163	5.00 200	10.0 500	20.0 1000	50.0	100
1,3-Dinitrobenzene	Ave	914 31698	1831 75133	3375 129194	8027	16021	5.00 200	10.0 500	20.0 1000	50.0	100
3,5-Dinitroaniline	Ave	652 20311	1103 48539	2059 83656	5198	10139	5.00 200	10.0 500	20.0 1000	50.0	100
Tetryl	Ave	553 16873	873 41709	1628 78184	4225	8264	5.00 200	10.0 500	20.0 1000	50.0	100
Nitrobenzene	Ave	483 14274	771 33500	1506 58527	3643	7116	5.00 200	10.0 500	20.0 1000	50.0	100
Nitroglycerin	Ave	+++++ 12931	+++++ 31323	1487 56481	3288	6542	+++++ 200	+++++ 500	20.0 1000	50.0	100
2,4,6-Trinitrotoluene	Ave	540 18091	977 44540	1863 82556	4578	8981	5.00 200	10.0 500	20.0 1000	50.0	100
4-Amino-2,6-dinitrotoluene	Ave	434 15085	779 36822	1492 66457	3825	7452	5.00 200	10.0 500	20.0 1000	50.0	100
2-Amino-4,6-dinitrotoluene	Ave	512 16240	894 39404	1687 70652	4074	8044	5.00 200	10.0 500	20.0 1000	50.0	100
2,6-Dinitrotoluene	Ave	389 11446	629 27941	1146 51202	2907	5620	5.00 200	10.0 500	20.0 1000	50.0	100
2,4-Dinitrotoluene	Ave	547 18903	1020 46229	1921 84833	4738	9373	5.00 200	10.0 500	20.0 1000	50.0	100

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1 Analy Batch No.: 3377

SDG No.:

Instrument ID: LC10 GC Column: Synergi C18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2012 11:50 Calibration End Date: 09/01/2012 16:31 Calibration ID: 1202

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Nitrotoluene	Ave	294 8159	514 19740	932 36585	2064	4150	5.00 200	10.0 500	20.0 1000	50.0	100
4-Nitrotoluene	Ave	326 10033	612 24382	1100 45695	2547	5047	5.00 200	10.0 500	20.0 1000	50.0	100
3-Nitrotoluene	Ave	339 10192	609 24716	1091 46712	2555	5003	5.00 200	10.0 500	20.0 1000	50.0	100
PETN	Ave	+++++ 7108	+++++ 17810	801 34728	1905	3631	+++++ 200	+++++ 500	20.0 1000	50.0	100
3,4-Dinitrotoluene	Ave	385 10674	537 16552	1032 26867	2674	5248	5.00 200	10.0 300	20.0 500	50.0	100

Curve Type Legend:
Ave = Average by Height

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000006.D
Lims ID: STD01 Client ID:
Inject. Date: 01-Sep-2012 11:50:14 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD01 HP8330L1_00004 5ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 11
Lims Batch ID: 3377 Lims Sample ID: 2
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 11:14:21 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK002

First Level Reviewer: noonanr Date: 11-Sep-2012 13:41:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.240	5.235	0.005	699	5.56	
19 RDX						
1	7.593	7.579	0.014	631	7.09	
3 Ethylene glycol dinitrate						
2	8.300	8.305	-0.005	652	6.73	
10 2,4,6-Trinitrophenol						
2	8.707	8.685	0.022	1421	11.5	
1	8.733	8.685	0.048	955	11.6	
27 1,3,5-Trinitrobenzene						
1	10.003	9.992	0.011	953	5.86	
24 1,3-Dinitrobenzene						
1	12.673	12.682	-0.009	914	5.65	
9 3,5-Dinitroaniline						
1	13.447	13.449	-0.002	652	6.27	
20 Tetryl						
1	13.950	13.939	0.011	553	6.39	
5 Nitrobenzene						
1	14.493	14.495	-0.002	483	6.55	
7 Nitroglycerin						
2	15.147	15.202	-0.055	536	8.26	
25 2,4,6-Trinitrotoluene						
1	16.083	16.069	0.014	540	5.82	
26 4-Amino-2,6-dinitrotoluene						
1	16.557	16.619	-0.062	434	5.73	
$ 30 3,4-Dinitrotoluene						
1	17.087	17.072	0.015	385	6.84	
2	17.117	17.082	0.035	622	6.02	

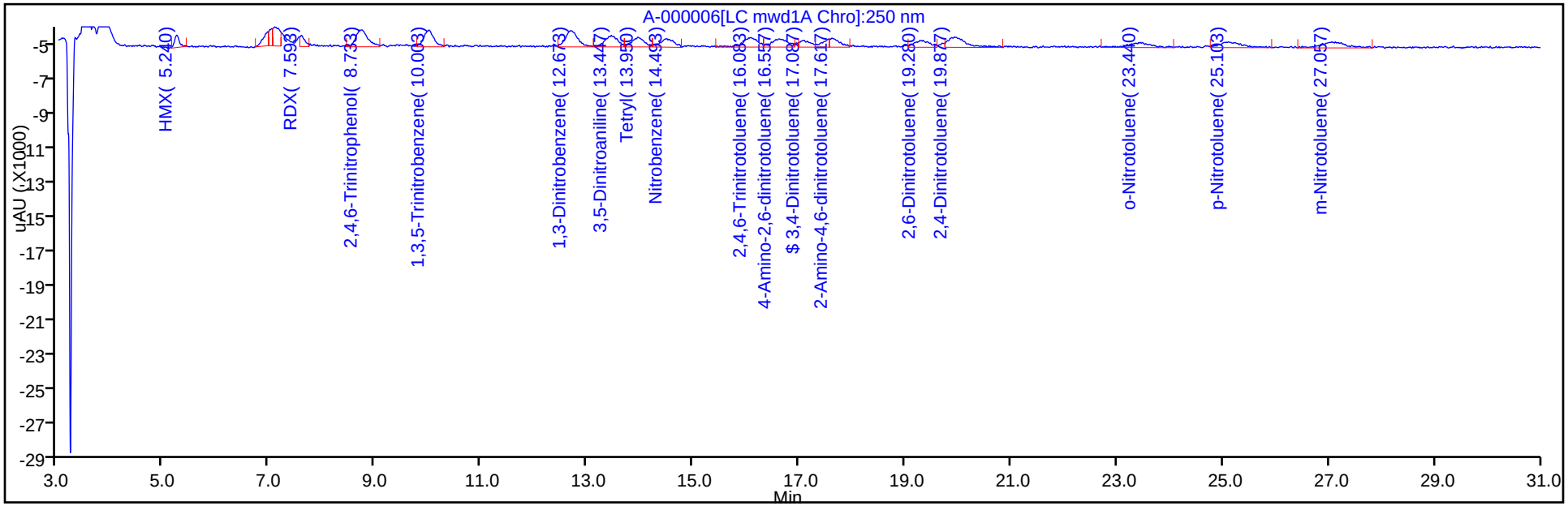
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.617	17.595	0.022	512	6.13	
12 2,6-Dinitrotoluene						
1	19.280	19.285	-0.005	389	6.53	
23 2,4-Dinitrotoluene						
1	19.877	19.925	-0.048	547	5.70	
16 o-Nitrotoluene						
1	23.440	23.415	0.025	294	6.60	
15 p-Nitrotoluene						
1	25.103	25.102	0.001	326	6.10	
8 m-Nitrotoluene						
1	27.057	27.052	0.005	339	6.29	
21 PETN						
2	29.613	29.649	-0.036	771	21.0	

Report Date: 13-Sep-2012 11:14:22 Chrom Revision: 2.1 12-Sep-2012 21:43:20

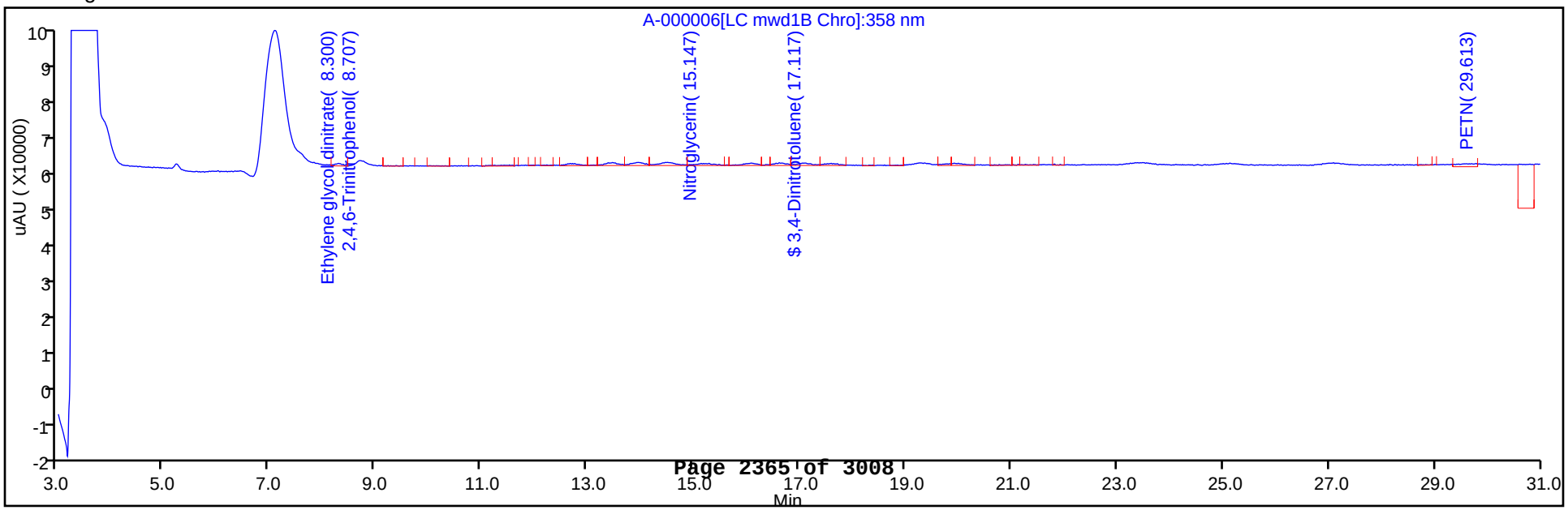
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000006.D		
Injection Date:	01-Sep-2012 11:50:14	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	2
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000007.D
Lims ID: STD02 Client ID:
Inject. Date: 01-Sep-2012 12:30:23 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD02 HP8330L2_00003 10ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 12
Lims Batch ID: 3377 Lims Sample ID: 3
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:53 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: chamberss Date: 11-Sep-2012 14:17:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.235	5.235	0.0	1311	10.4	
19 RDX						
1	7.588	7.579	0.009	975	10.9	
3 Ethylene glycol dinitrate						
2	8.315	8.305	0.010	1143	11.8	
10 2,4,6-Trinitrophenol						
2	8.718	8.685	0.033	2492	20.2	
1	8.718	8.685	0.033	1717	20.7	
27 1,3,5-Trinitrobenzene						
1	10.012	9.992	0.020	1723	10.6	
24 1,3-Dinitrobenzene						
1	12.699	12.682	0.017	1831	11.3	
9 3,5-Dinitroaniline						
1	13.449	13.449	0.0	1103	10.6	
20 Tetryl						
1	13.925	13.939	-0.014	873	10.1	
5 Nitrobenzene						
1	14.512	14.495	0.017	771	10.4	
7 Nitroglycerin						
2	15.225	15.202	0.023	628	9.68	
25 2,4,6-Trinitrotoluene						
1	16.075	16.069	0.006	977	10.5	
26 4-Amino-2,6-dinitrotoluene						
1	16.665	16.619	0.046	779	10.3	
$ 30 3,4-Dinitrotoluene						
1	17.075	17.072	0.003	537	9.52	
2	17.075	17.082	-0.007	883	8.55	

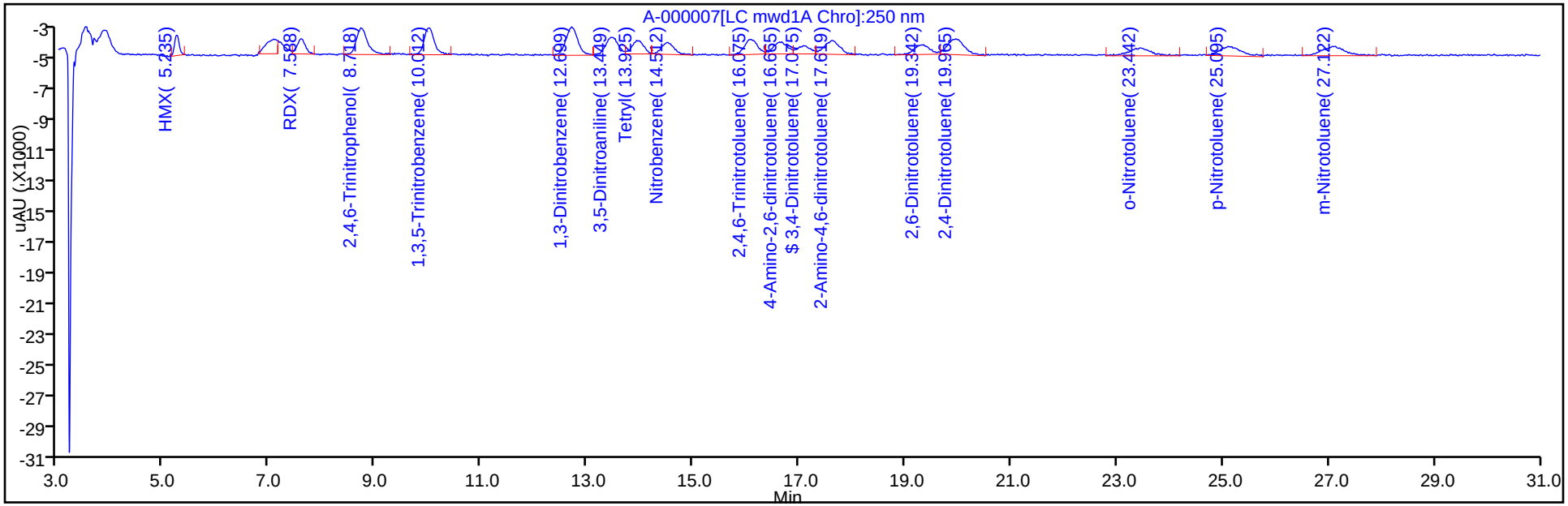
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.619	17.595	0.024	894	10.7	
12 2,6-Dinitrotoluene						
1	19.342	19.285	0.057	629	10.5	
23 2,4-Dinitrotoluene						
1	19.965	19.925	0.040	1020	10.6	
16 o-Nitrotoluene						
1	23.442	23.415	0.027	514	11.5	
15 p-Nitrotoluene						
1	25.095	25.102	-0.007	612	11.5	
8 m-Nitrotoluene						
1	27.122	27.052	0.070	609	11.3	
21 PETN						
2	29.552	29.649	-0.097	427	11.6	

Report Date: 13-Sep-2012 10:19:53 Chrom Revision: 2.1 12-Sep-2012 21:43:20

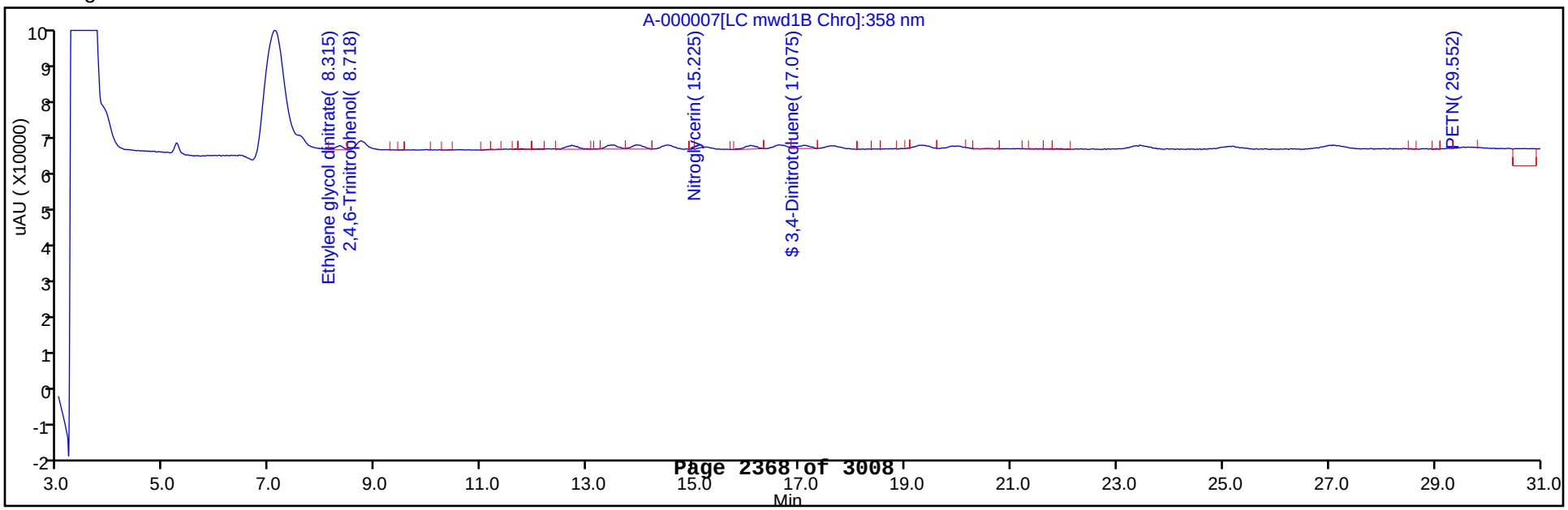
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000007.D		
Injection Date:	01-Sep-2012 12:30:23	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	3
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000008.D
Lims ID: STD03 Client ID:
Inject. Date: 01-Sep-2012 13:10:34 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD03 HP8330L3_00003 20ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 13
Lims Batch ID: 3377 Lims Sample ID: 4
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:54 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: chamberss Date: 11-Sep-2012 14:31:48

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.238	5.235	0.003	2654	21.1	
19 RDX						
1	7.585	7.579	0.006	1799	20.2	
3 Ethylene glycol dinitrate						
2	8.312	8.305	0.007	2132	22.0	
10 2,4,6-Trinitrophenol						
2	8.708	8.685	0.023	6331	51.4	
1	8.718	8.685	0.033	4198	50.7	
27 1,3,5-Trinitrobenzene						
1	9.998	9.992	0.006	3425	21.0	
24 1,3-Dinitrobenzene						
1	12.688	12.682	0.006	3375	20.9	
9 3,5-Dinitroaniline						
1	13.452	13.449	0.003	2059	19.8	
20 Tetryl						
1	13.952	13.939	0.013	1628	18.8	
5 Nitrobenzene						
1	14.502	14.495	0.007	1506	20.4	
7 Nitroglycerin						
2	15.205	15.202	0.003	1487	22.9	
25 2,4,6-Trinitrotoluene						
1	16.075	16.069	0.006	1863	20.1	
26 4-Amino-2,6-dinitrotoluene						
1	16.622	16.619	0.003	1492	19.7	
$ 30 3,4-Dinitrotoluene						
1	17.088	17.072	0.016	1032	18.3	
2	17.075	17.082	-0.007	2249	21.8	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.595	17.595	0.0	1687	20.2	
12 2,6-Dinitrotoluene						
1	19.318	19.285	0.033	1146	19.2	
23 2,4-Dinitrotoluene						
1	19.915	19.925	-0.010	1921	20.0	
16 o-Nitrotoluene						
1	23.412	23.415	-0.003	932	20.9	
15 p-Nitrotoluene						
1	25.135	25.102	0.033	1100	20.6	
8 m-Nitrotoluene						
1	27.035	27.052	-0.017	1091	20.2	
21 PETN						
2	29.672	29.649	0.023	801	21.8	

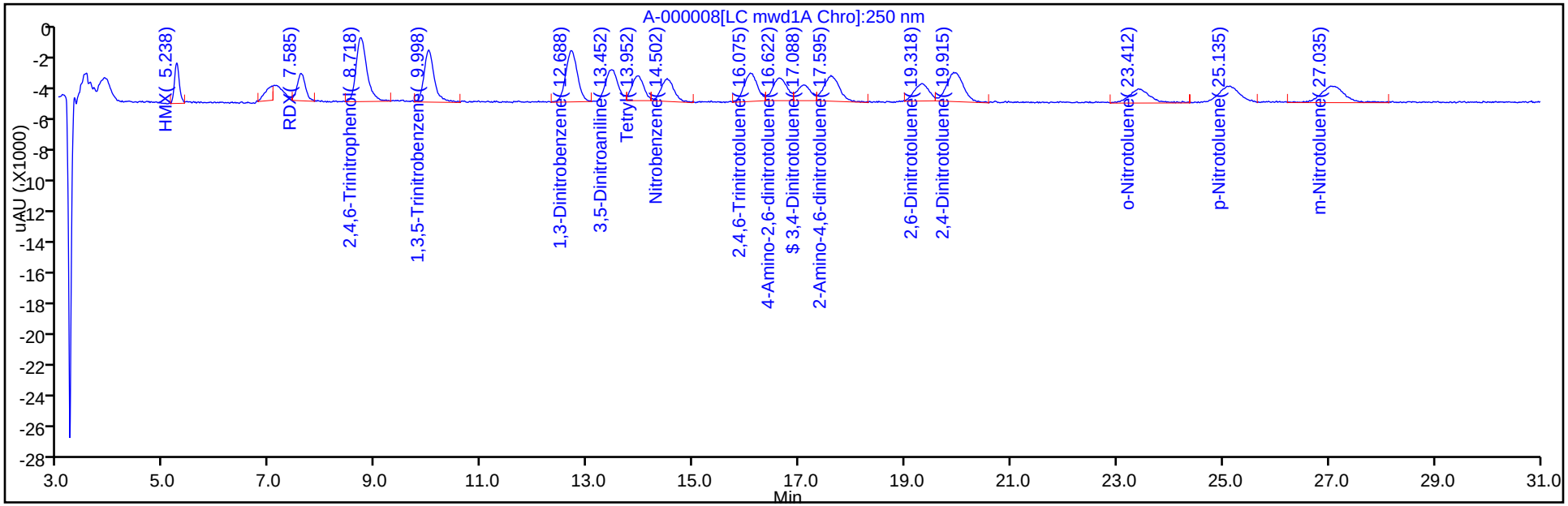
Report Date: 13-Sep-2012 10:19:54 Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

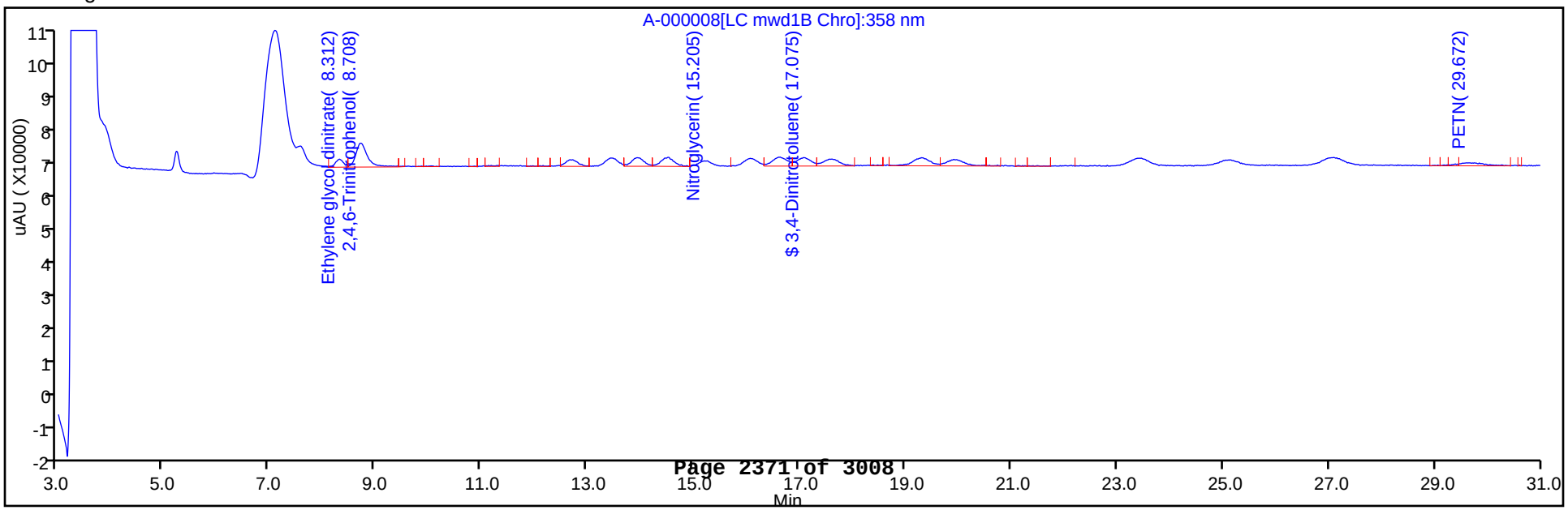
Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000008.D

Injection Date:	01-Sep-2012 13:10:34	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	4
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

User Set Y Scaling: Alternate user entered



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000009.D
Lims ID: STD04 Client ID:
Inject. Date: 01-Sep-2012 13:50:42 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD04 HP8330L4_00003 50ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 14
Lims Batch ID: 3377 Lims Sample ID: 5
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:55 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: chamberss Date: 11-Sep-2012 14:15:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.235	5.235	0.0	6327	50.3	
19 RDX						
1	7.585	7.579	0.006	4453	50.0	
3 Ethylene glycol dinitrate						
2	8.302	8.305	-0.003	4979	51.4	
10 2,4,6-Trinitrophenol						
2	8.702	8.685	0.017	13018	105.7	
1	8.698	8.685	0.013	8740	105.7	
27 1,3,5-Trinitrobenzene						
1	9.995	9.992	0.003	8146	50.1	
24 1,3-Dinitrobenzene						
1	12.692	12.682	0.010	8027	49.6	
9 3,5-Dinitroaniline						
1	13.455	13.449	0.006	5198	50.0	
20 Tetryl						
1	13.942	13.939	0.003	4225	48.8	
5 Nitrobenzene						
1	14.495	14.495	0.0	3643	49.4	
7 Nitroglycerin						
2	15.209	15.202	0.007	3288	50.7	
25 2,4,6-Trinitrotoluene						
1	16.085	16.069	0.016	4578	49.3	
26 4-Amino-2,6-dinitrotoluene						
1	16.635	16.619	0.016	3825	50.5	
$ 30 3,4-Dinitrotoluene						
1	17.079	17.072	0.007	2674	47.5	
2	17.065	17.082	-0.017	5072	49.1	

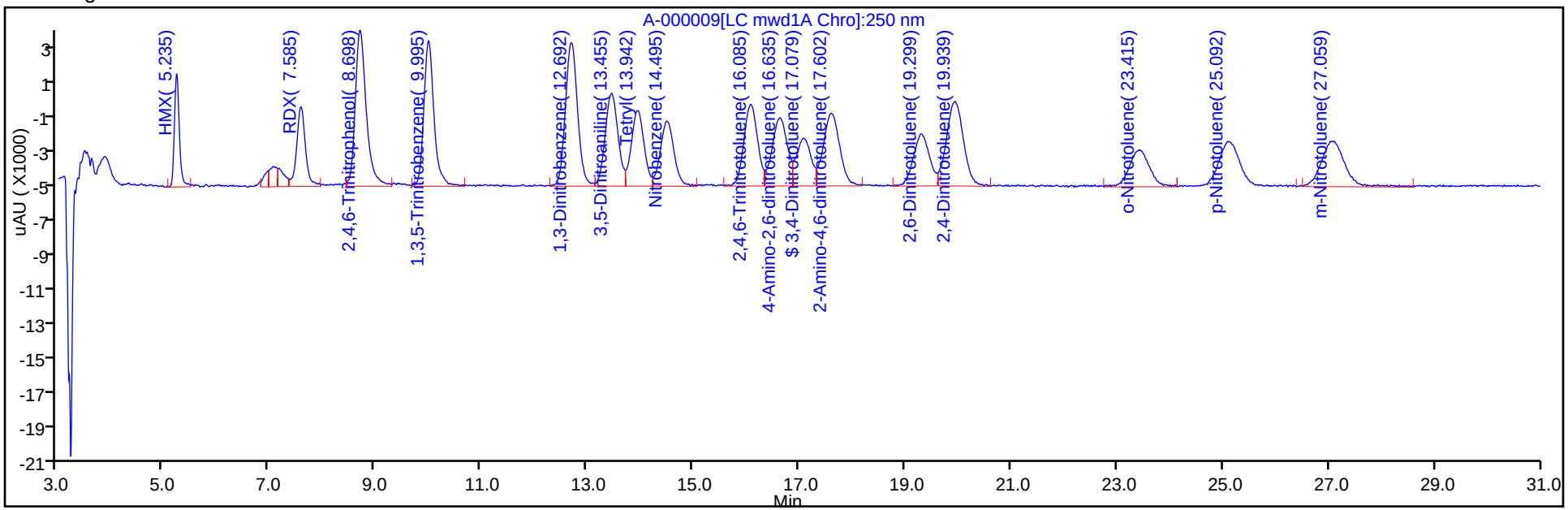
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.602	17.595	0.007	4074	48.7	
12 2,6-Dinitrotoluene						
1	19.299	19.285	0.014	2907	48.8	
23 2,4-Dinitrotoluene						
1	19.939	19.925	0.014	4738	49.4	
16 o-Nitrotoluene						
1	23.415	23.415	0.0	2064	46.3	
15 p-Nitrotoluene						
1	25.092	25.102	-0.010	2547	47.7	
8 m-Nitrotoluene						
1	27.059	27.052	0.007	2555	47.4	
21 PETN						
2	29.662	29.649	0.013	1905	51.9	

Report Date: 13-Sep-2012 10:19:55 Chrom Revision: 2.1 12-Sep-2012 21:43:20

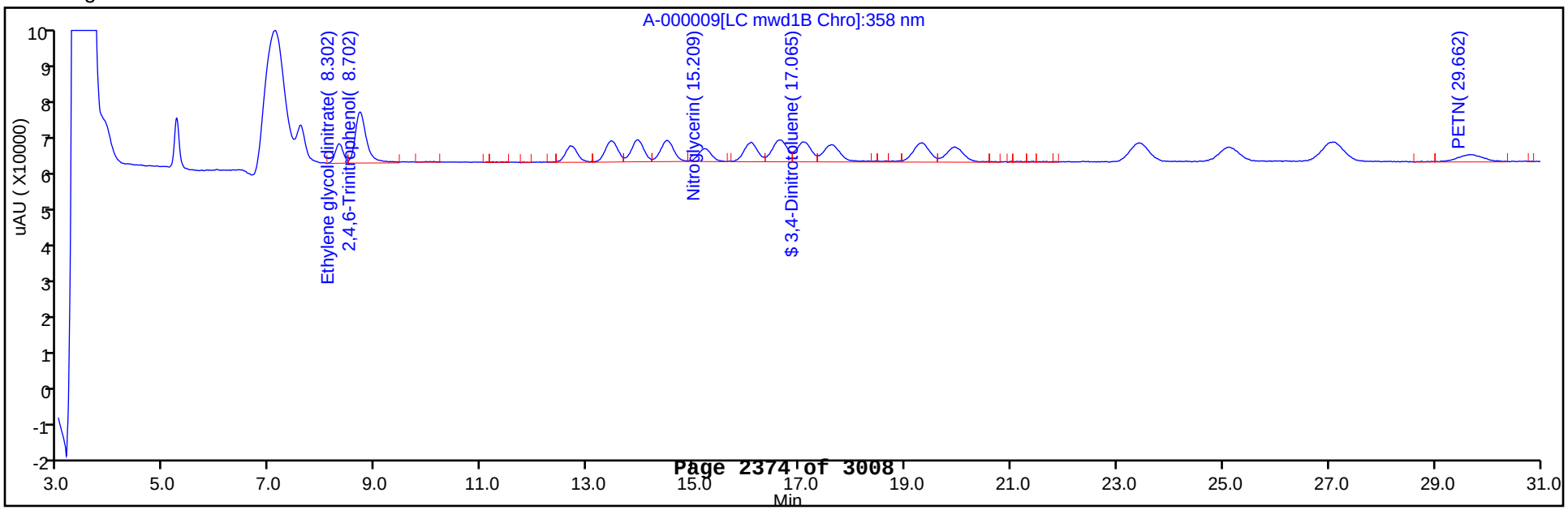
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000009.D		
Injection Date:	01-Sep-2012 13:50:42	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	5
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D
Lims ID: STD05 Client ID:
Inject. Date: 01-Sep-2012 14:30:45 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD05 HP8330L5_00004 100ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 15
Lims Batch ID: 3377 Lims Sample ID: 6
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:55 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:24:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.235	5.235	0.0	12739	101.2	
19 RDX						
1	7.579	7.579	0.0	8536	95.8	
3 Ethylene glycol dinitrate						
2	8.305	8.305	0.0	10281	106.1	
10 2,4,6-Trinitrophenol						
2	8.685	8.685	0.0	25652	208.3	
1	8.685	8.685	0.0	16956	205.0	
27 1,3,5-Trinitrobenzene						
1	9.992	9.992	0.0	16163	99.3	
24 1,3-Dinitrobenzene						
1	12.682	12.682	0.0	16021	99.1	
9 3,5-Dinitroaniline						
1	13.449	13.449	0.0	10139	97.6	
20 Tetryl						
1	13.939	13.939	0.0	8264	95.5	
5 Nitrobenzene						
1	14.495	14.495	0.0	7116	96.5	
7 Nitroglycerin						
2	15.202	15.202	0.0	6542	100.8	
25 2,4,6-Trinitrotoluene						
1	16.069	16.069	0.0	8981	96.8	
26 4-Amino-2,6-dinitrotoluene						
1	16.619	16.619	0.0	7452	98.4	
$ 30 3,4-Dinitrotoluene						
1	17.072	17.072	0.0	5248	93.2	
2	17.082	17.082	0.0	10171	98.4	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.595	17.595	0.0	8044	96.2	
12 2,6-Dinitrotoluene						
1	19.285	19.285	0.0	5620	94.3	
23 2,4-Dinitrotoluene						
1	19.925	19.925	0.0	9373	97.7	
16 o-Nitrotoluene						
1	23.415	23.415	0.0	4150	93.1	
15 p-Nitrotoluene						
1	25.102	25.102	0.0	5047	94.5	
8 m-Nitrotoluene						M
1	27.052	27.052	0.0	5003	92.8	M
21 PETN						
2	29.649	29.649	0.0	3631	98.9	

QC Flag Legend

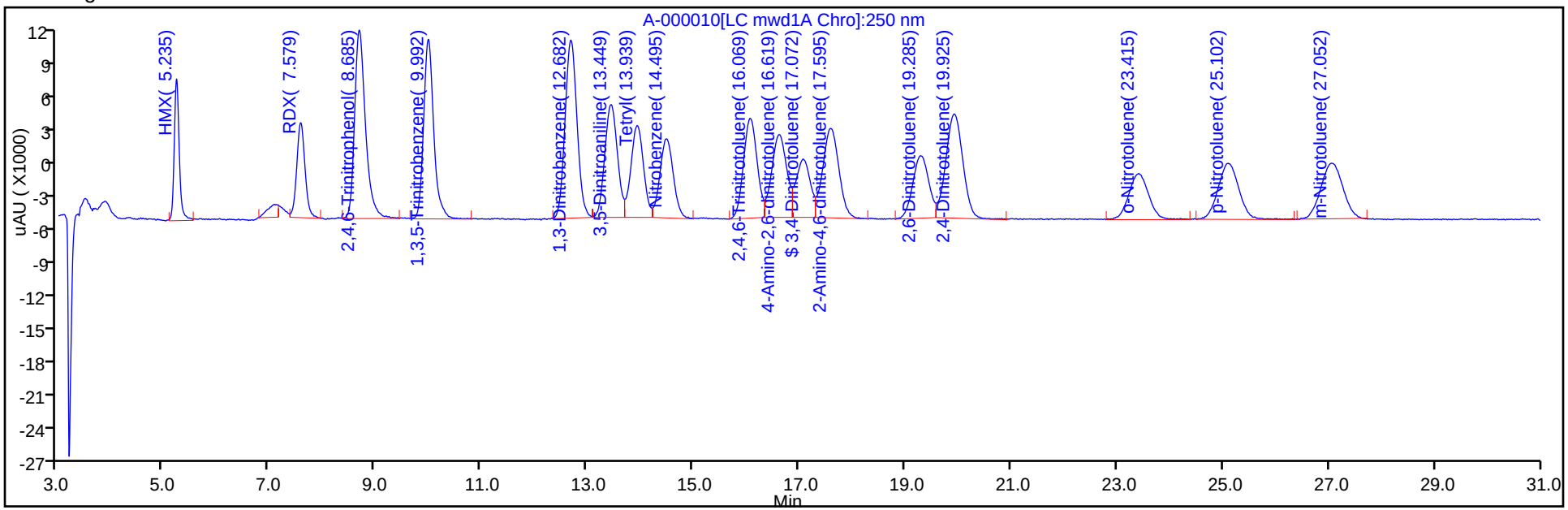
Review Flags
M - Manually Integrated

Report Date: 13-Sep-2012 10:19:56 Chrom Revision: 2.1 12-Sep-2012 21:43:20

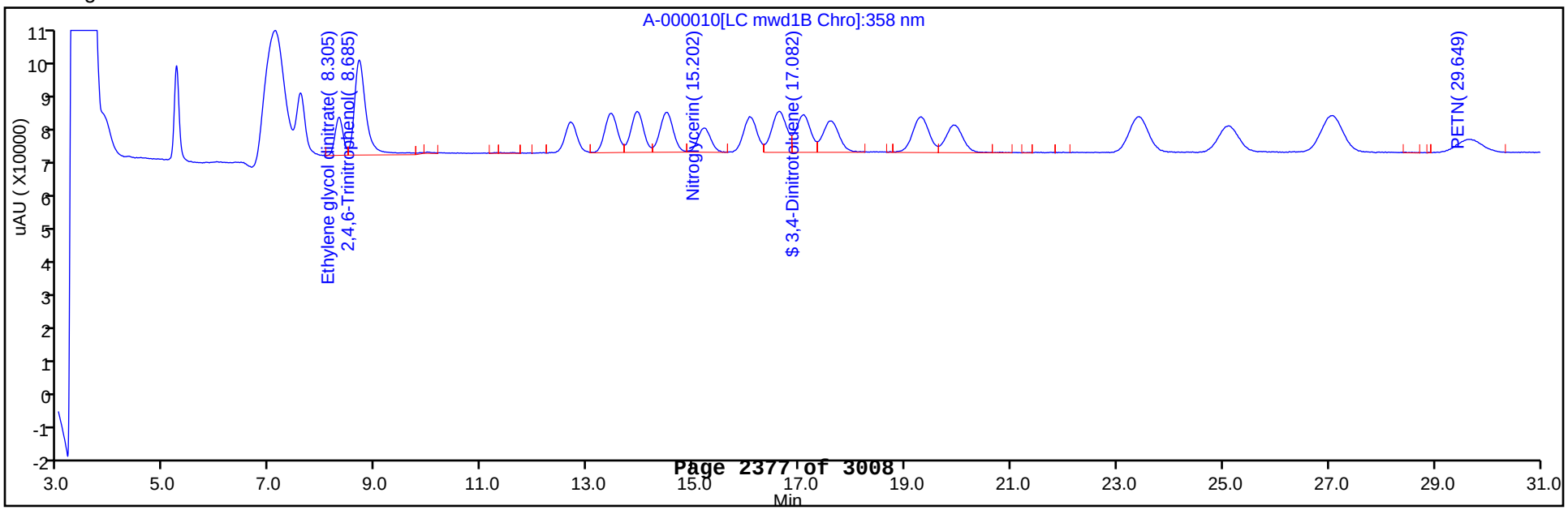
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D		
Injection Date:	01-Sep-2012 14:30:45	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

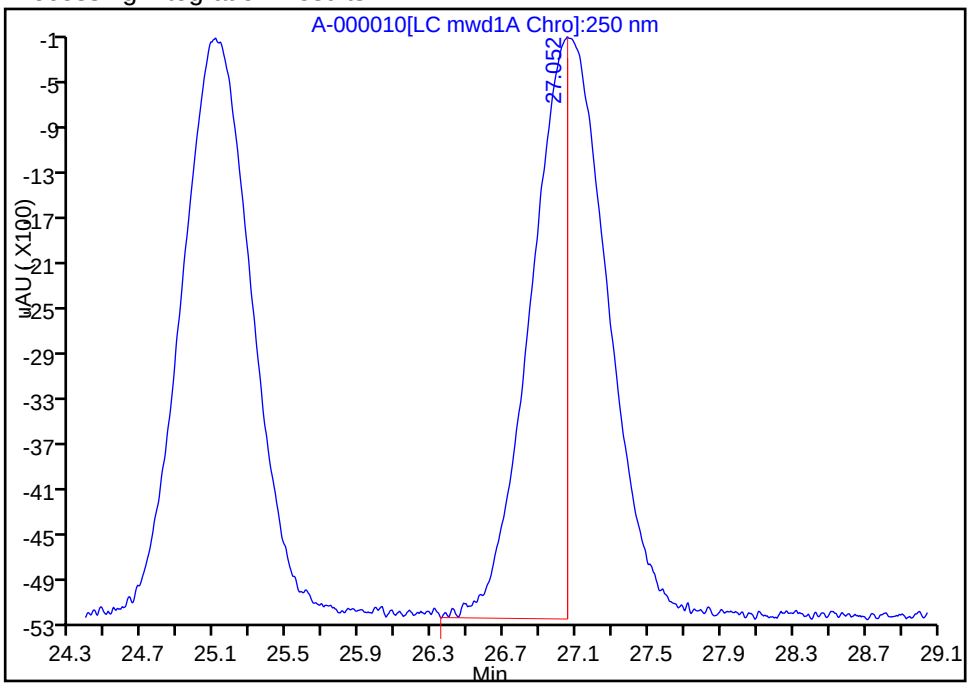
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000010.D		
Injection Date:	01-Sep-2012 14:30:45	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	6
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

8 m-Nitrotoluene, Signal: 1, Type: quant, RT: 27.05, Det: LC mwd1A

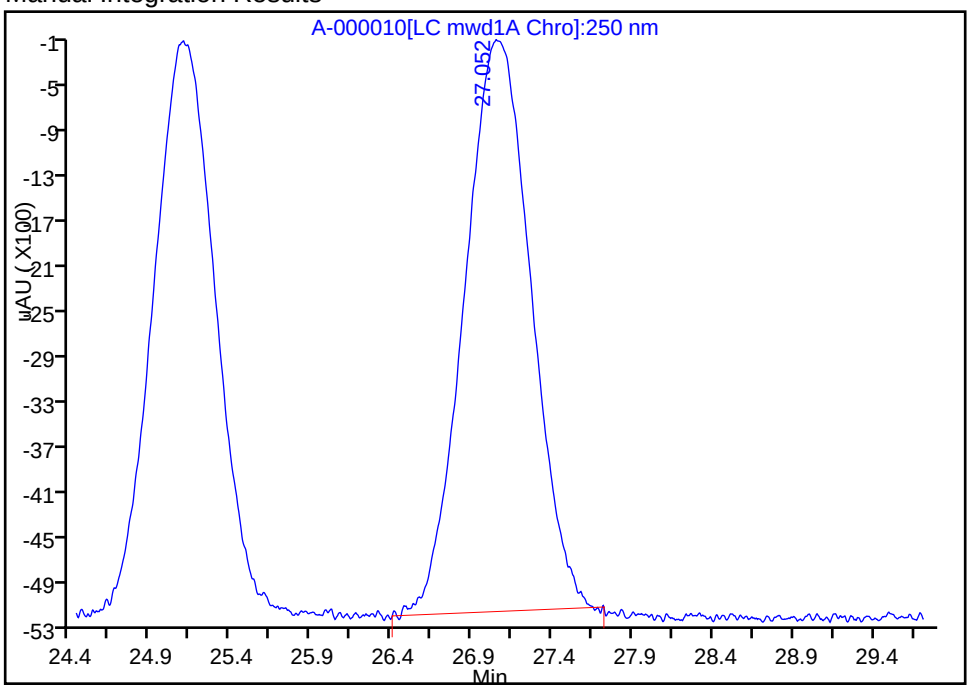
Processing Integration Results

RT: 27.05
Response: 5091
Amount: 94.175972



Manual Integration Results

RT: 27.05
Response: 5003
Amount: 92.750560



Reviewer: noonanr, 13-Sep-2012 09:42:08
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000011.D
Lims ID: STD06 Client ID:
Inject. Date: 01-Sep-2012 15:10:52 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD06 HP8330L6_00004 200ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 16
Lims Batch ID: 3377 Lims Sample ID: 7
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:56 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:26:22

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.233	5.235	-0.002	25014	198.8	
19 RDX						
1	7.573	7.579	-0.006	16712	187.8	
3 Ethylene glycol dinitrate						
2	8.296	8.305	-0.009	20128	207.8	
10 2,4,6-Trinitrophenol						
2	8.650	8.685	-0.035	61874	502.4	
1	8.650	8.685	-0.035	41089	497.0	
27 1,3,5-Trinitrobenzene						
1	9.986	9.992	-0.006	31839	195.7	
24 1,3-Dinitrobenzene						
1	12.677	12.682	-0.005	31698	196.1	
9 3,5-Dinitroaniline						
1	13.437	13.449	-0.012	20311	195.4	
20 Tetryl						
1	13.933	13.939	-0.006	16873	194.9	
5 Nitrobenzene						
1	14.487	14.495	-0.008	14274	193.5	
7 Nitroglycerin						
2	15.197	15.202	-0.005	12931	199.3	
25 2,4,6-Trinitrotoluene						
1	16.067	16.069	-0.002	18091	194.9	
26 4-Amino-2,6-dinitrotoluene						
1	16.607	16.619	-0.012	15085	199.1	
$ 30 3,4-Dinitrotoluene						
1	17.073	17.072	0.001	10674	189.4	
2	17.070	17.082	-0.012	19828	191.9	

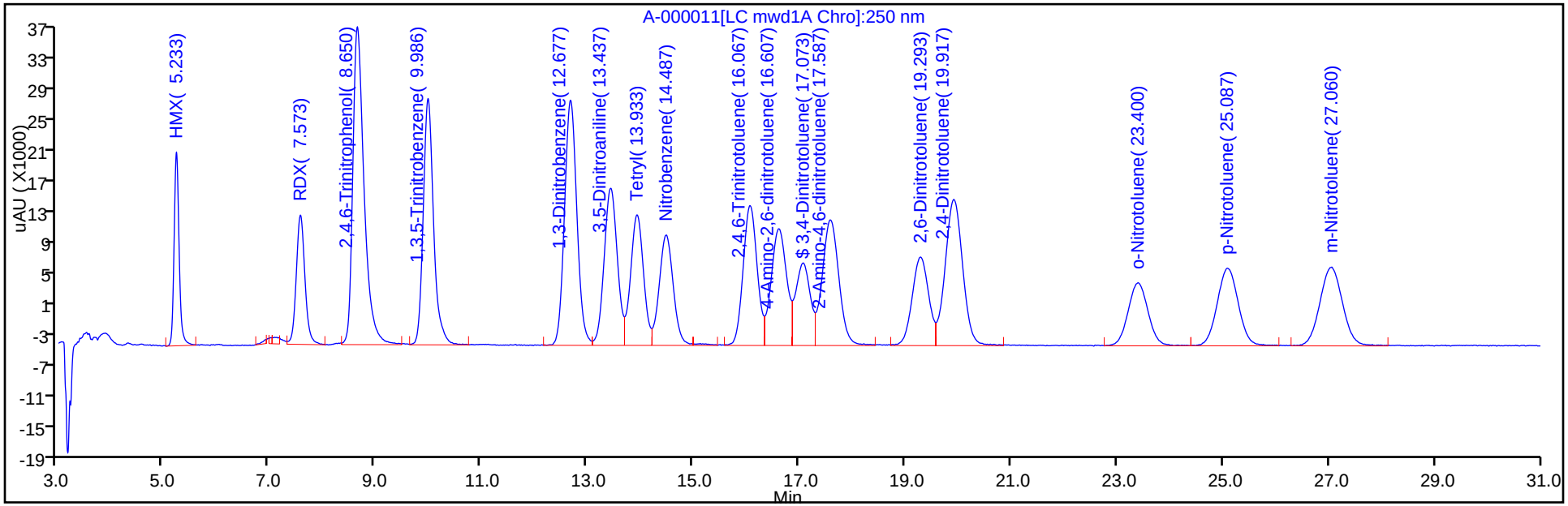
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.587	17.595	-0.008	16240	194.2	
12 2,6-Dinitrotoluene						
1	19.293	19.285	0.008	11446	192.1	
23 2,4-Dinitrotoluene						
1	19.917	19.925	-0.008	18903	196.9	
16 o-Nitrotoluene						
1	23.400	23.415	-0.015	8159	183.1	
15 p-Nitrotoluene						
1	25.087	25.102	-0.015	10033	187.7	
8 m-Nitrotoluene						
1	27.060	27.052	0.008	10192	188.9	
21 PETN						
2	29.663	29.649	0.014	7108	193.5	

Report Date: 13-Sep-2012 10:19:57 Chrom Revision: 2.1 12-Sep-2012 21:43:20

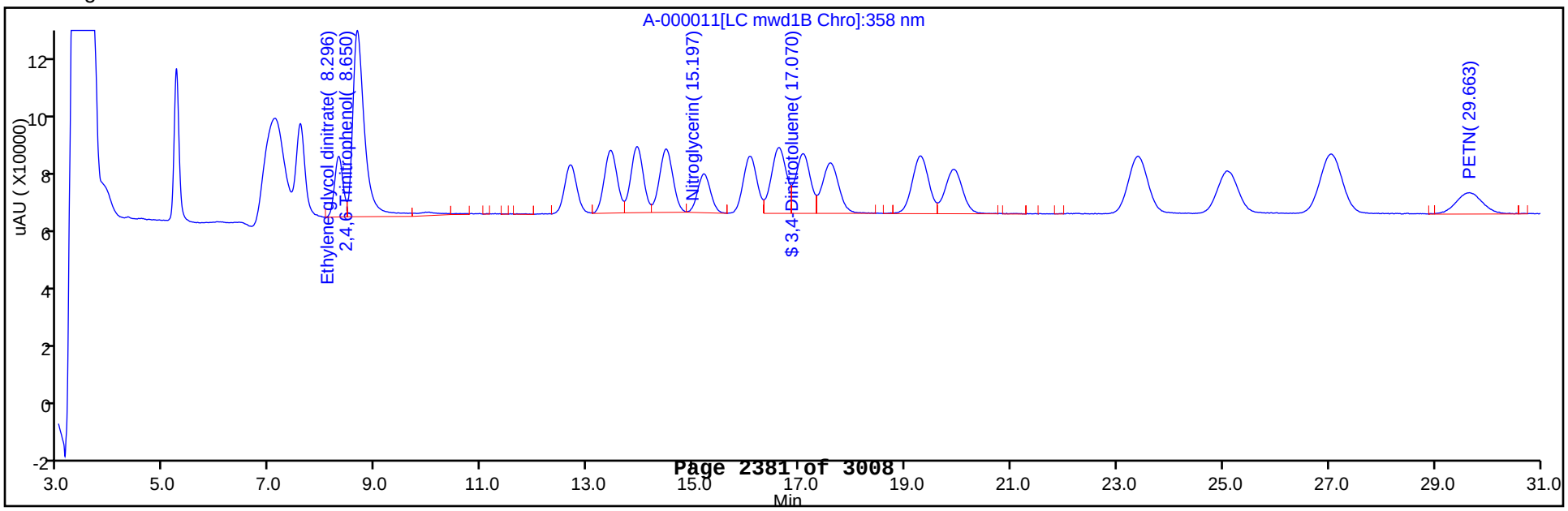
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000011.D		
Injection Date:	01-Sep-2012 15:10:52	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	7
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000012.D
Lims ID: STD07 Client ID:
Inject. Date: 01-Sep-2012 15:50:51 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD07 HP8330L7_00003 500ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 17
Lims Batch ID: 3377 Lims Sample ID: 8
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:57 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:26:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.219	5.235	-0.016	60012	477.0	
19 RDX						
1	7.552	7.579	-0.027	38684	434.7	
3 Ethylene glycol dinitrate						
2	8.275	8.305	-0.030	46640	481.5	
10 2,4,6-Trinitrophenol						
2	8.589	8.685	-0.096	113505	921.6	
1	8.589	8.685	-0.096	76565	926.2	
27 1,3,5-Trinitrobenzene						
1	9.965	9.992	-0.027	75872	466.4	
24 1,3-Dinitrobenzene						
1	12.652	12.682	-0.030	75133	464.7	
9 3,5-Dinitroaniline						
1	13.406	13.449	-0.043	48539	467.1	
20 Tetryl						
1	13.912	13.939	-0.027	41709	481.9	
5 Nitrobenzene						
1	14.459	14.495	-0.036	33500	454.3	
7 Nitroglycerin						
2	15.172	15.202	-0.030	31323	482.7	
25 2,4,6-Trinitrotoluene						
1	16.046	16.069	-0.023	44540	480.0	
26 4-Amino-2,6-dinitrotoluene						
1	16.579	16.619	-0.040	36822	486.2	
$ 30 3,4-Dinitrotoluene						
1	17.032	17.072	-0.040	16552	293.9	
2	17.046	17.082	-0.036	30648	296.6	

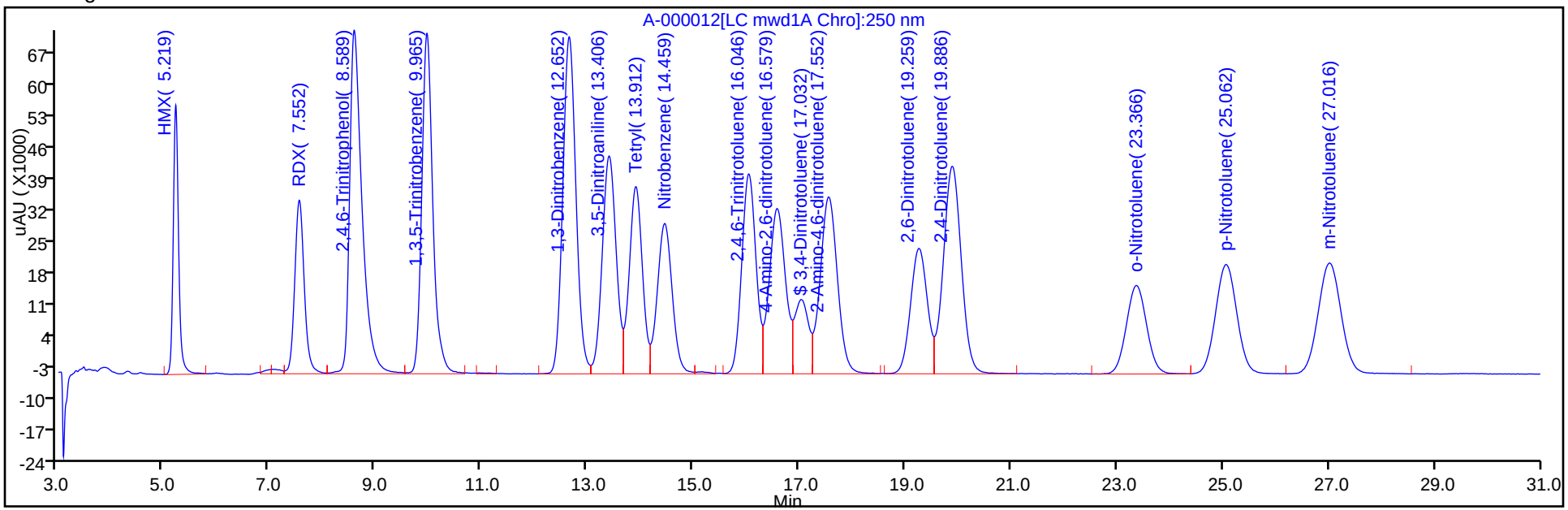
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.552	17.595	-0.043	39404	471.4	
12 2,6-Dinitrotoluene						
1	19.259	19.285	-0.026	27941	469.0	
23 2,4-Dinitrotoluene						
1	19.886	19.925	-0.039	46229	481.7	
16 o-Nitrotoluene						
1	23.366	23.415	-0.049	19740	443.0	
15 p-Nitrotoluene						
1	25.062	25.102	-0.040	24382	456.3	
8 m-Nitrotoluene						
1	27.016	27.052	-0.036	24716	458.3	
21 PETN						
2	29.619	29.649	-0.030	17810	485.0	

Report Date: 13-Sep-2012 10:19:57 Chrom Revision: 2.1 12-Sep-2012 21:43:20

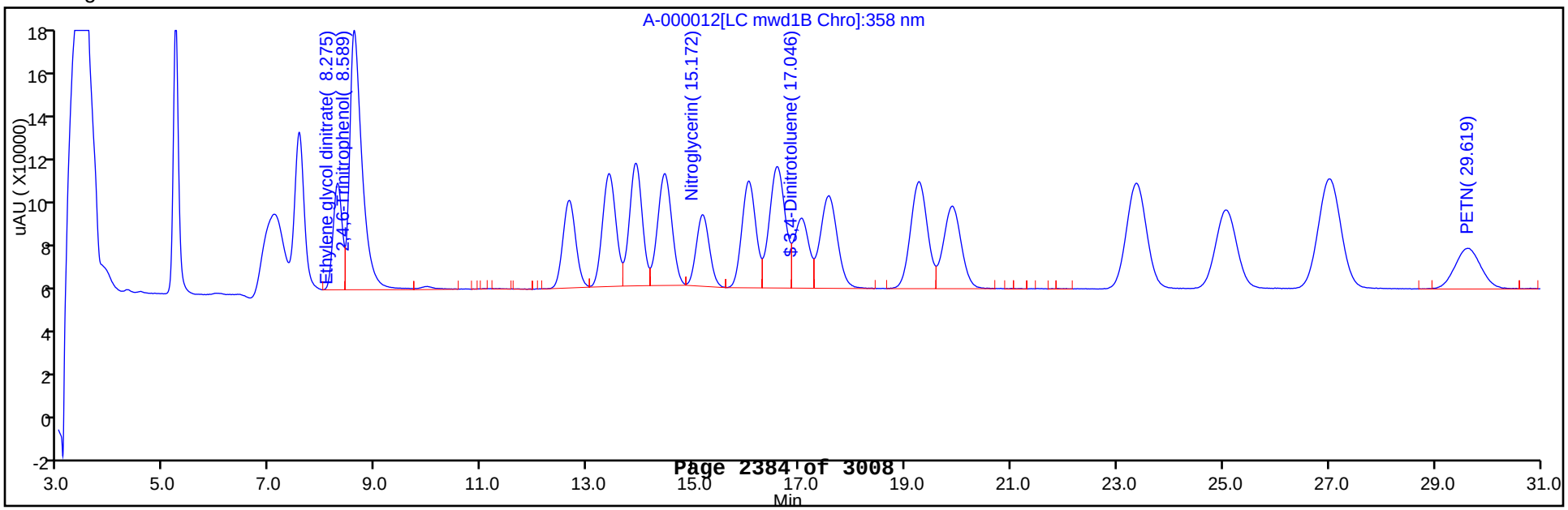
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000012.D		
Injection Date:	01-Sep-2012 15:50:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	8
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Lims ID: STD08 Client ID:
Inject. Date: 01-Sep-2012 16:31:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD08 HP8330L1_00003 1000ng/mL;1
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 18
Lims Batch ID: 3377 Lims Sample ID: 9
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:58 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:31:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.195	5.235	-0.040	103824	825.3	
19 RDX						
1	7.512	7.579	-0.067	62894	706.8	
3 Ethylene glycol dinitrate						
2	8.245	8.305	-0.060	78274	808.1	
10 2,4,6-Trinitrophenol						
2	8.499	8.685	-0.186	192528	1563.2	
1	8.495	8.685	-0.190	130237	1575.4	
27 1,3,5-Trinitrobenzene						
1	9.925	9.992	-0.067	131741	809.9	
24 1,3-Dinitrobenzene						
1	12.602	12.682	-0.080	129194	799.1	
9 3,5-Dinitroaniline						
1	13.349	13.449	-0.100	83656	805.1	
20 Tetryl						
1	13.866	13.939	-0.073	78184	903.3	
5 Nitrobenzene						
1	14.399	14.495	-0.096	58527	793.7	
7 Nitroglycerin						
2	15.126	15.202	-0.076	56481	870.5	
25 2,4,6-Trinitrotoluene						
1	16.002	16.069	-0.067	82556	889.7	
26 4-Amino-2,6-dinitrotoluene						
1	16.519	16.619	-0.100	66457	877.5	
$ 30 3,4-Dinitrotoluene						
1	16.972	17.072	-0.100	26867	477.1	
2	16.982	17.082	-0.100	48479	469.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.489	17.595	-0.106	70652	845.2	
12 2,6-Dinitrotoluene						
1	19.199	19.285	-0.086	51202	859.4	
23 2,4-Dinitrotoluene						
1	19.829	19.925	-0.096	84833	884.0	
16 o-Nitrotoluene						
1	23.292	23.415	-0.123	36585	821.1	
15 p-Nitrotoluene						
1	24.989	25.102	-0.113	45695	855.2	
8 m-Nitrotoluene						
1	26.939	27.052	-0.113	46712	866.1	
21 PETN						
2	29.569	29.649	-0.080	34728	945.6	

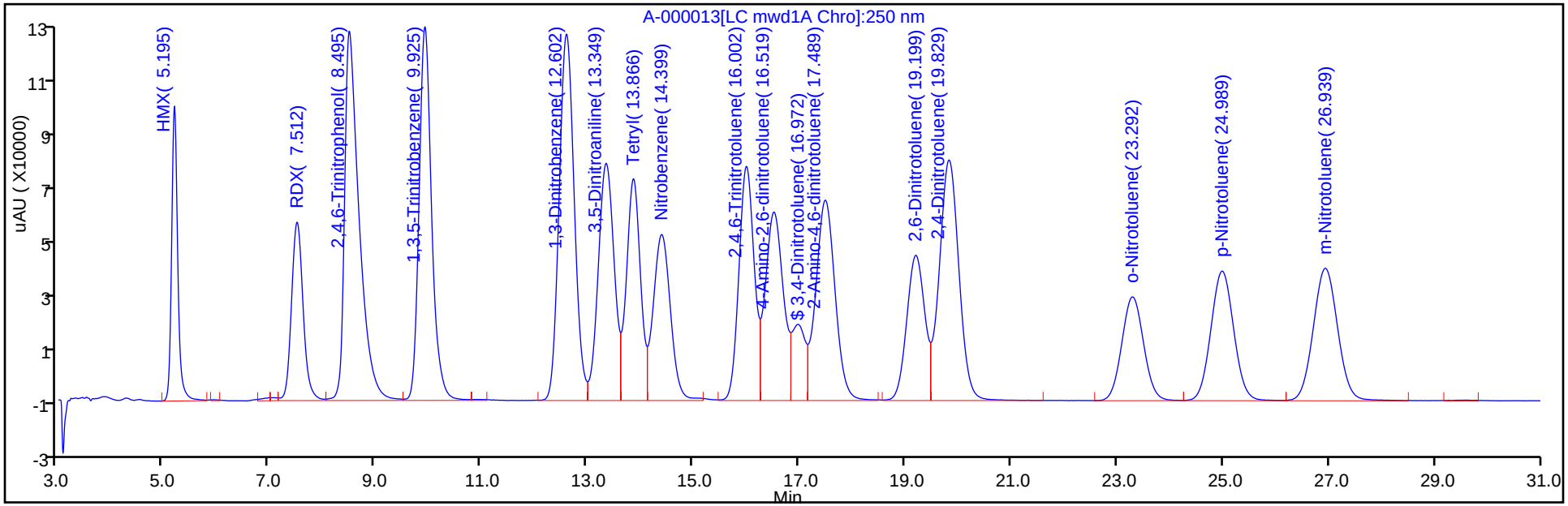
Report Date: 13-Sep-2012 10:19:58 Chrom Revision: 2.1 12-Sep-2012 21:43:20

TestAmerica West Sacramento

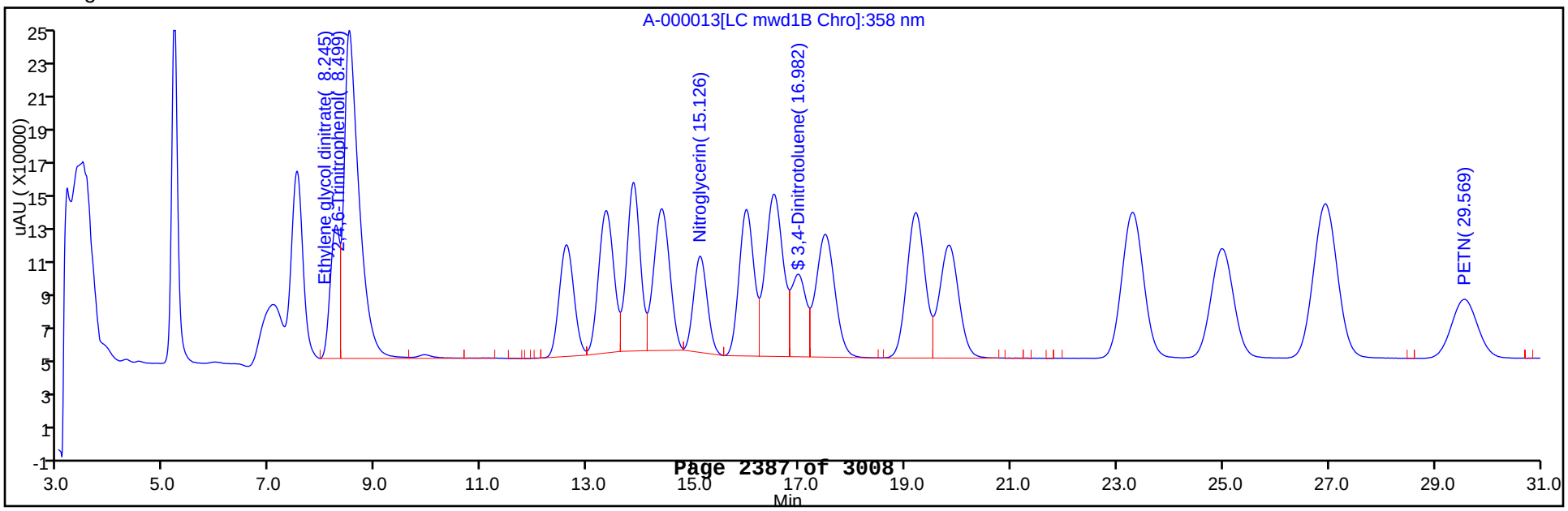
Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D

Injection Date:	01-Sep-2012 16:31:00	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	9
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000015.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	129.4		514	500	2.8	20.0
RDX	Ave	88.99	86.72		487	500	-2.5	20.0
Ethylene glycol dinitrate	Ave	96.86	112.1		579	500	15.7	20.0
1,3,5-Trinitrobenzene	Ave	162.7	158.6		488	500	-2.5	20.0
1,3-Dinitrobenzene	Ave	161.7	155.7		481	500	-3.7	20.0
3,5-Dinitroaniline	Ave	103.9	108.4		522	500	4.3	20.0
Tetryl	Ave	86.55	92.08		532	500	6.4	20.0
Nitrobenzene	Ave	73.74	71.77		487	500	-2.7	20.0
Nitroglycerin	Ave	64.89	64.13		494	500	-1.2	20.0
2,4,6-Trinitrotoluene	Ave	92.79	94.76		511	500	2.1	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	72.57		479	500	-4.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	81.12		485	500	-3.0	20.0
2,6-Dinitrotoluene	Ave	59.58	57.45		482	500	-3.6	20.0
2,4-Dinitrotoluene	Ave	95.97	94.66		493	500	-1.4	20.0
2-Nitrotoluene	Ave	44.56	40.14		450	500	-9.9	20.0
4-Nitrotoluene	Ave	53.43	49.54		464	500	-7.3	20.0
3-Nitrotoluene	Ave	53.94	48.54		450	500	-10.0	20.0
PETN	Ave	36.72	35.94		489	500	-2.1	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICV 320-3377/11 Calibration Date: 09/01/2012 17:51

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000015.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.24	4.99	5.49
RDX	7.58	7.33	7.83
Ethylene glycol dinitrate	8.30	8.06	8.56
1,3,5-Trinitrobenzene	9.99	9.74	10.24
1,3-Dinitrobenzene	12.68	12.43	12.93
3,5-Dinitroaniline	13.44	13.20	13.70
Tetryl	13.94	13.69	14.19
Nitrobenzene	14.49	14.25	14.75
Nitroglycerin	15.19	14.95	15.45
2,4,6-Trinitrotoluene	16.07	15.82	16.32
4-Amino-2,6-dinitrotoluene	16.61	16.37	16.87
2-Amino-4,6-dinitrotoluene	17.59	17.35	17.85
2,6-Dinitrotoluene	19.29	19.04	19.54
2,4-Dinitrotoluene	19.92	19.68	20.18
2-Nitrotoluene	23.39	23.17	23.67
4-Nitrotoluene	25.08	24.85	25.35
3-Nitrotoluene	27.04	26.80	27.30
PETN	29.65	29.40	29.90

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000015.D
Lims ID: ICV Client ID:
Inject. Date: 01-Sep-2012 17:51:02 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV HP8330IC_00005 500ng/mL;2
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 19
Lims Batch ID: 3377 Lims Sample ID: 11
Sublist:

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 10:19:58 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK003

First Level Reviewer: noonanr Date: 12-Sep-2012 13:53:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.238	5.235	0.003	64694	514.2	
19 RDX						
1	7.584	7.579	0.005	43361	487.3	
3 Ethylene glycol dinitrate						
2	8.304	8.305	-0.001	56056	578.7	
10 2,4,6-Trinitrophenol						
2	8.611	8.685	-0.074	118451	961.8	
1	8.611	8.685	-0.074	78800	953.2	
27 1,3,5-Trinitrobenzene						
1	9.991	9.992	-0.001	79307	487.5	
24 1,3-Dinitrobenzene						
1	12.684	12.682	0.002	77842	481.5	
9 3,5-Dinitroaniline						
1	13.438	13.449	-0.011	54213	521.7	
20 Tetryl						
1	13.938	13.939	-0.001	46038	531.9	
5 Nitrobenzene						
1	14.488	14.495	-0.007	35885	486.6	
7 Nitroglycerin						
2	15.194	15.202	-0.008	32066	494.2	
25 2,4,6-Trinitrotoluene						
1	16.071	16.069	0.002	47381	510.6	
26 4-Amino-2,6-dinitrotoluene						
1	16.611	16.619	-0.008	36286	479.1	
6 2-Amino-4,6-dinitrotoluene						
1	17.591	17.595	-0.004	40559	485.2	

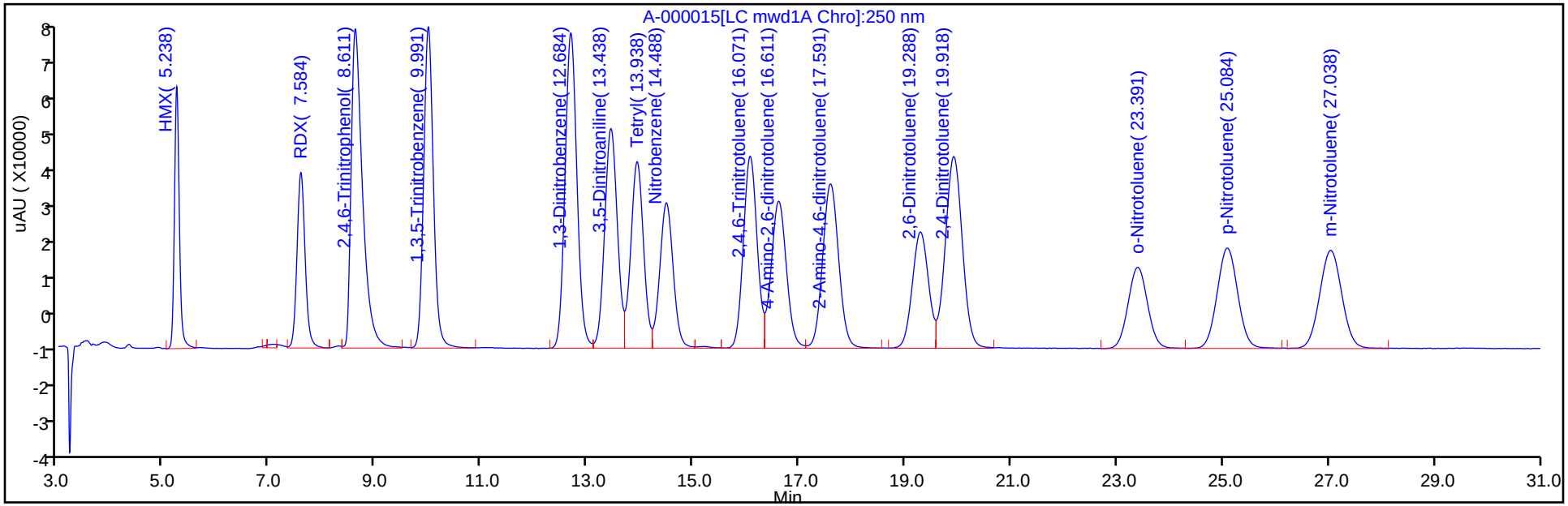
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
12 2,6-Dinitrotoluene						
1	19.288	19.285	0.003	28726	482.1	
23 2,4-Dinitrotoluene						
1	19.918	19.925	-0.007	47332	493.2	
16 o-Nitrotoluene						
1	23.391	23.415	-0.024	20070	450.5	
15 p-Nitrotoluene						
1	25.084	25.102	-0.018	24769	463.6	
8 m-Nitrotoluene						
1	27.038	27.052	-0.014	24271	450.0	
21 PETN						
2	29.648	29.649	-0.001	17969	489.3	

Report Date: 13-Sep-2012 10:20:00 Chrom Revision: 2.1 12-Sep-2012 21:43:20

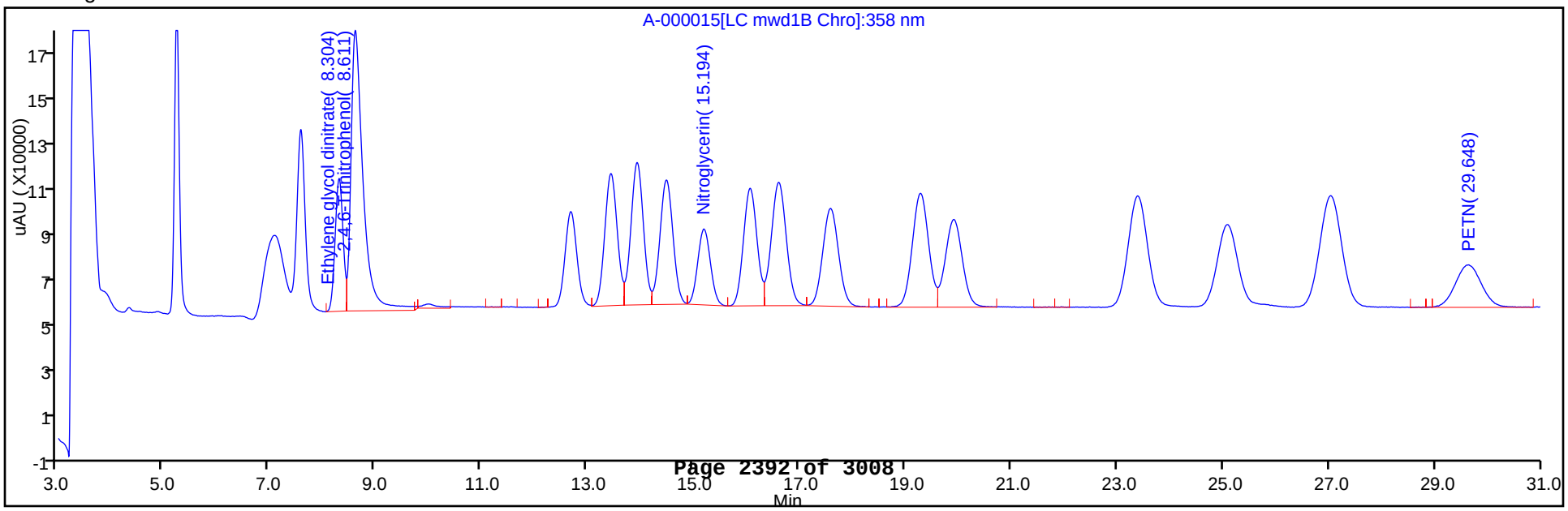
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000015.D		
Injection Date:	01-Sep-2012 17:51:02	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	11
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000017.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	123.8		4.92	5.00	-1.6	
RDX	Ave	88.99	99.40		5.59	5.00	11.7	
1,3,5-Trinitrobenzene	Ave	162.7	165.0		5.07	5.00	1.4	
1,3-Dinitrobenzene	Ave	161.7	168.6		5.21	5.00	4.3	
3,5-Dinitroaniline	Ave	103.9	110.0		5.29	5.00	5.9	
Tetryl	Ave	86.55	76.60		4.43	5.00	-11.5	
Nitrobenzene	Ave	73.74	77.80		5.28	5.00	5.5	
Nitroglycerin	Ave	64.89	84.10		25.9	20.0	29.6	
2,4,6-Trinitrotoluene	Ave	92.79	89.60		4.83	5.00	-3.4	
4-Amino-2,6-dinitrotoluene	Ave	75.73	92.20		6.09	5.00	21.7	
2-Amino-4,6-dinitrotoluene	Ave	83.59	91.20		5.46	5.00	9.1	
2,6-Dinitrotoluene	Ave	59.58	63.20		5.30	5.00	6.1	
2,4-Dinitrotoluene	Ave	95.97	108.0		5.63	5.00	12.5	
2-Nitrotoluene	Ave	44.56	55.20		6.19	5.00	23.9	
4-Nitrotoluene	Ave	53.43	69.20		6.48	5.00	29.5	
3-Nitrotoluene	Ave	53.94	62.60		5.80	5.00	16.1	
PETN	Ave	36.72	36.40		19.8	20.0	-0.9	
3,4-Dinitrotoluene	Ave	56.32	52.85		18.8	20.0	-6.2	

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: LODV 320-3377/13 Calibration Date: 09/01/2012 19:11

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: A-000017.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.25	4.99	5.49
RDX	7.57	7.33	7.83
1,3,5-Trinitrobenzene	10.01	9.74	10.24
1,3-Dinitrobenzene	12.70	12.43	12.93
3,5-Dinitroaniline	13.46	13.20	13.70
Tetryl	13.90	13.69	14.19
Nitrobenzene	14.53	14.25	14.75
Nitroglycerin	15.19	14.95	15.45
2,4,6-Trinitrotoluene	16.09	15.82	16.32
4-Amino-2,6-dinitrotoluene	16.61	16.37	16.87
2-Amino-4,6-dinitrotoluene	17.57	17.35	17.85
2,6-Dinitrotoluene	19.30	19.04	19.54
2,4-Dinitrotoluene	19.97	19.68	20.18
2-Nitrotoluene	23.32	23.17	23.67
4-Nitrotoluene	25.07	24.85	25.35
3-Nitrotoluene	27.00	26.80	27.30
PETN	29.57	29.40	29.90
Ethylene glycol dinitrate			
3,4-Dinitrotoluene	17.07	16.82	17.32

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D
Lims ID: LODV 5-20ng/mL Client ID:
Inject. Date: 01-Sep-2012 19:11:04 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: MRL HP8330ICL_00002 5-50ng/mL;2
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 21
Lims Batch ID: 3377 Lims Sample ID: 13

Method: \\SACChrom\ChromData\LC10\20120905-755.b\8330_LC10.m
Last Update: 13-Sep-2012 13:28:32 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK036

First Level Reviewer: noonanr Date: 12-Sep-2012 14:27:02

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.245	5.235	0.010	619	4.92	
19 RDX						
1	7.565	7.579	-0.014	497	5.59	
27 1,3,5-Trinitrobenzene						
1	10.005	9.992	0.013	825	5.07	
24 1,3-Dinitrobenzene						
1	12.702	12.682	0.020	843	5.21	
9 3,5-Dinitroaniline						
1	13.459	13.449	0.010	550	5.29	
20 Tetryl						
1	13.902	13.939	-0.037	383	4.43	
5 Nitrobenzene						
1	14.532	14.495	0.037	389	5.28	
7 Nitroglycerin						
2	15.186	15.202	-0.016	1682	25.9	
25 2,4,6-Trinitrotoluene						
1	16.092	16.069	0.023	448	4.83	
26 4-Amino-2,6-dinitrotoluene						
1	16.609	16.619	-0.010	461	6.09	
$ 30 3,4-Dinitrotoluene						
1	17.069	17.072	-0.003	1057	18.8	
2	17.109	17.082	0.027	2127	20.6	
6 2-Amino-4,6-dinitrotoluene						
1	17.569	17.595	-0.026	456	5.46	
12 2,6-Dinitrotoluene						
1	19.299	19.285	0.014	316	5.30	
23 2,4-Dinitrotoluene						
1	19.966	19.925	0.041	540	5.63	

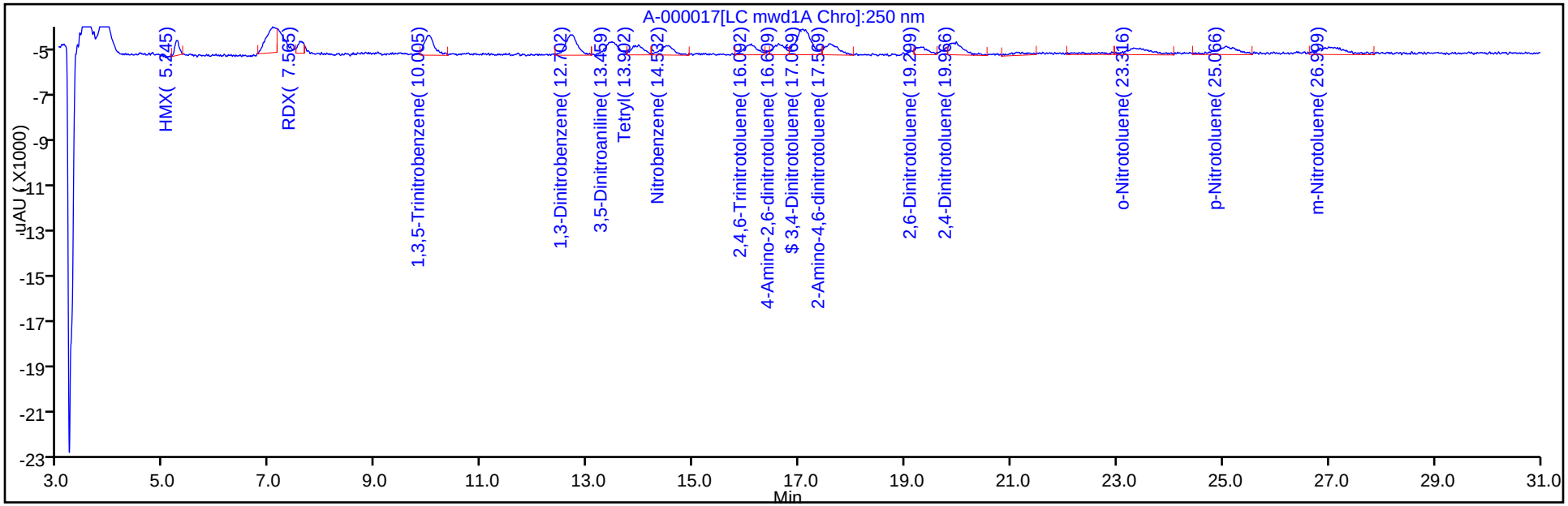
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	23.316	23.415	-0.099	276	6.19	
15 p-Nitrotoluene						
1	25.066	25.102	-0.036	346	6.48	
8 m-Nitrotoluene						
1	26.999	27.052	-0.053	313	5.80	
21 PETN						
2	29.572	29.649	-0.077	728	19.8	

Report Date: 18-Sep-2012 08:28:09 Chrom Revision: 2.1 16-Sep-2012 09:37:06

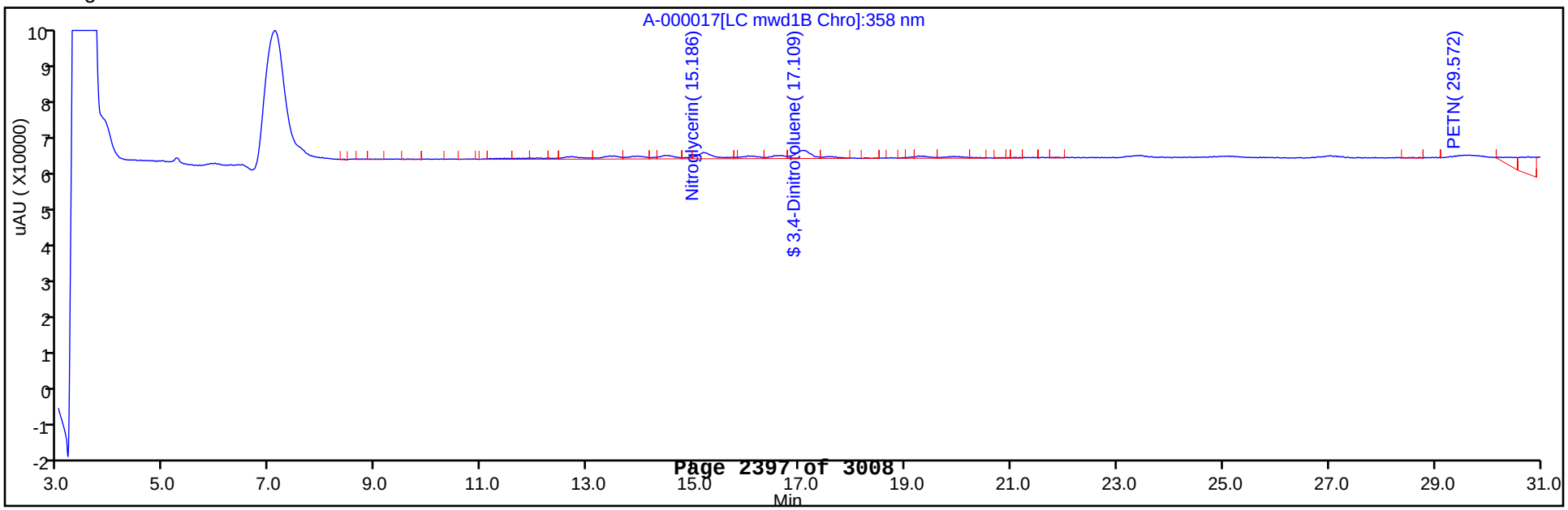
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000017.D		
Injection Date:	01-Sep-2012 19:11:04	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	3377	Lims Sample ID:	13
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCVL 320-6640/30 Calibration Date: 12/01/2012 05:50

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZD000030.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	136.8		5.44	5.00	8.7	30.0
RDX	Ave	88.99	110.2		6.19	5.00	23.8	30.0
1,3,5-Trinitrobenzene	Ave	162.7	169.0		5.19	5.00	3.9	30.0
1,3-Dinitrobenzene	Ave	161.7	189.4		5.86	5.00	17.2	30.0
3,5-Dinitroaniline	Ave	103.9	108.8		5.24	5.00	4.7	30.0
Tetryl	Ave	86.55	81.20		4.69	5.00	-6.2	30.0
Nitrobenzene	Ave	73.74	57.60		3.91	5.00	-21.9	30.0
Nitroglycerin	Ave	64.89	72.85		22.5	20.0	12.3	30.0
2,4,6-Trinitrotoluene	Ave	92.79	82.20		4.43	5.00	-11.4	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	69.60		4.60	5.00	-8.1	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	88.00		5.26	5.00	5.3	30.0
2,6-Dinitrotoluene	Ave	59.58	54.60		4.58	5.00	-8.4	30.0
2,4-Dinitrotoluene	Ave	95.97	100.6		5.24	5.00	4.8	30.0
2-Nitrotoluene	Ave	44.56	57.80		6.49	5.00	29.7	30.0
4-Nitrotoluene	Ave	53.43	70.80		6.63	5.00	32.5*	30.0
3-Nitrotoluene	Ave	53.94	61.80		5.73	5.00	14.6	30.0
PETN	Ave	36.72	49.20		26.8	20.0	34.0*	30.0
3,4-Dinitrotoluene	Ave	56.32	52.40		18.6	20.0	-7.0	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCVL 320-6640/30 Calibration Date: 12/01/2012 05:50

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZD000030.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.23	4.98	5.48
RDX	7.50	7.25	7.75
1,3,5-Trinitrobenzene	9.89	9.64	10.14
1,3-Dinitrobenzene	12.51	12.26	12.76
3,5-Dinitroaniline	13.27	13.02	13.52
Tetryl	13.63	13.38	13.88
Nitrobenzene	14.17	13.92	14.42
Nitroglycerin	14.90	14.65	15.15
2,4,6-Trinitrotoluene	15.76	15.51	16.01
4-Amino-2,6-dinitrotoluene	16.25	16.00	16.50
2-Amino-4,6-dinitrotoluene	17.25	17.00	17.50
2,6-Dinitrotoluene	18.84	18.59	19.09
2,4-Dinitrotoluene	19.48	19.23	19.73
2-Nitrotoluene	22.86	22.61	23.11
4-Nitrotoluene	24.48	24.23	24.73
3-Nitrotoluene	26.37	26.12	26.62
PETN	28.72	28.47	28.97
3,4-Dinitrotoluene	16.78	16.53	17.03

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000030.D		
Lims ID:	CCVL	Client ID:	
Inject. Date:	01-Dec-2012 05:50:54	Dil. Factor:	1.0000
Sample Type:	CCVL		
Sample ID:	320-0001608-030		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	10
Lims Batch ID:	6640	Lims Sample ID:	30
Sublist:	chrom-8330_LC10*sub2		
Method:	\\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m		
Last Update:	03-Dec-2012 08:50:04	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK011		

First Level Reviewer: noonanr Date: 03-Dec-2012 08:50:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.233	5.233	0.0	684	5.44	
19 RDX						
1	7.499	7.499	0.0	551	6.19	
27 1,3,5-Trinitrobenzene						
1	9.886	9.886	0.0	845	5.19	
24 1,3-Dinitrobenzene						
1	12.513	12.513	0.0	947	5.86	
9 3,5-Dinitroaniline						
1	13.266	13.266	0.0	544	5.24	
20 Tetryl						
1	13.633	13.633	0.0	406	4.69	
5 Nitrobenzene						
1	14.166	14.166	0.0	288	3.91	
7 Nitroglycerin						
2	14.896	14.896	0.0	1457	22.5	
25 2,4,6-Trinitrotoluene						
1	15.763	15.763	0.0	411	4.43	
26 4-Amino-2,6-dinitrotoluene						
1	16.253	16.253	0.0	348	4.60	
$ 30 3,4-Dinitrotoluene						
1	16.780	16.780	0.0	1048	18.6	
2	16.776	16.776	0.0	2084	20.2	
6 2-Amino-4,6-dinitrotoluene						
1	17.246	17.246	0.0	440	5.26	
12 2,6-Dinitrotoluene						
1	18.840	18.840	0.0	273	4.58	

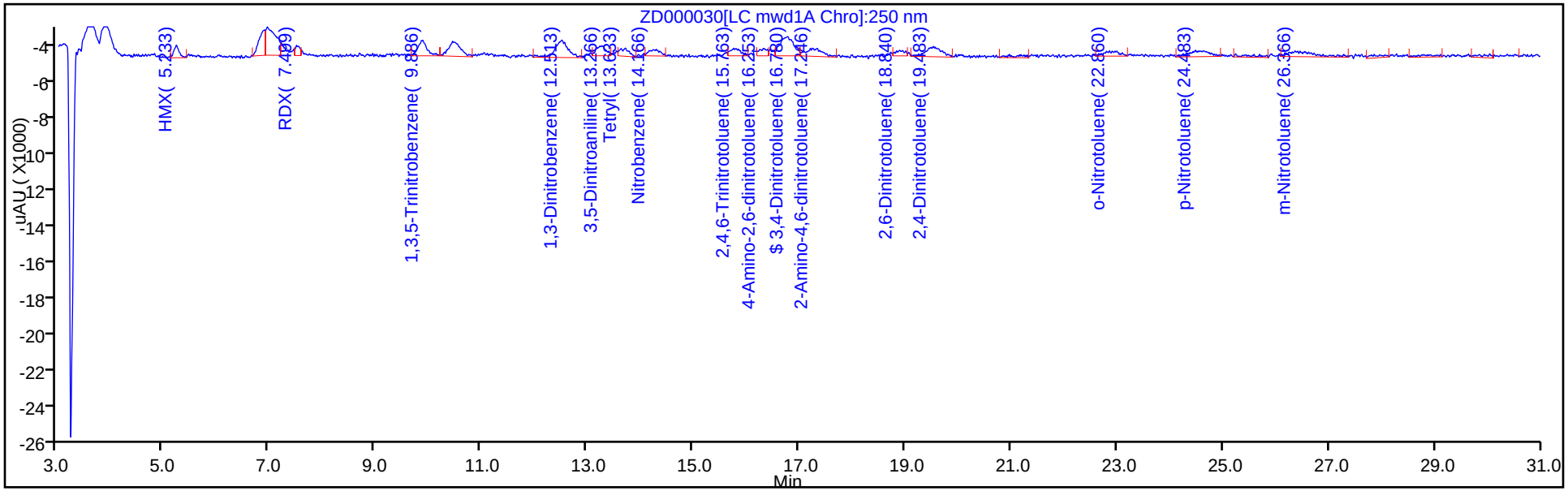
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.483	19.483	0.0	503	5.24	
16 o-Nitrotoluene						
1	22.860	22.860	0.0	289	6.49	
15 p-Nitrotoluene						
1	24.483	24.483	0.0	354	6.63	
8 m-Nitrotoluene						
1	26.366	26.366	0.0	309	5.73	
21 PETN						
2	28.716	28.716	0.0	984	26.8	

Report Date: 03-Dec-2012 08:50:04 Chrom Revision: 2.1 29-Nov-2012 15:29:30

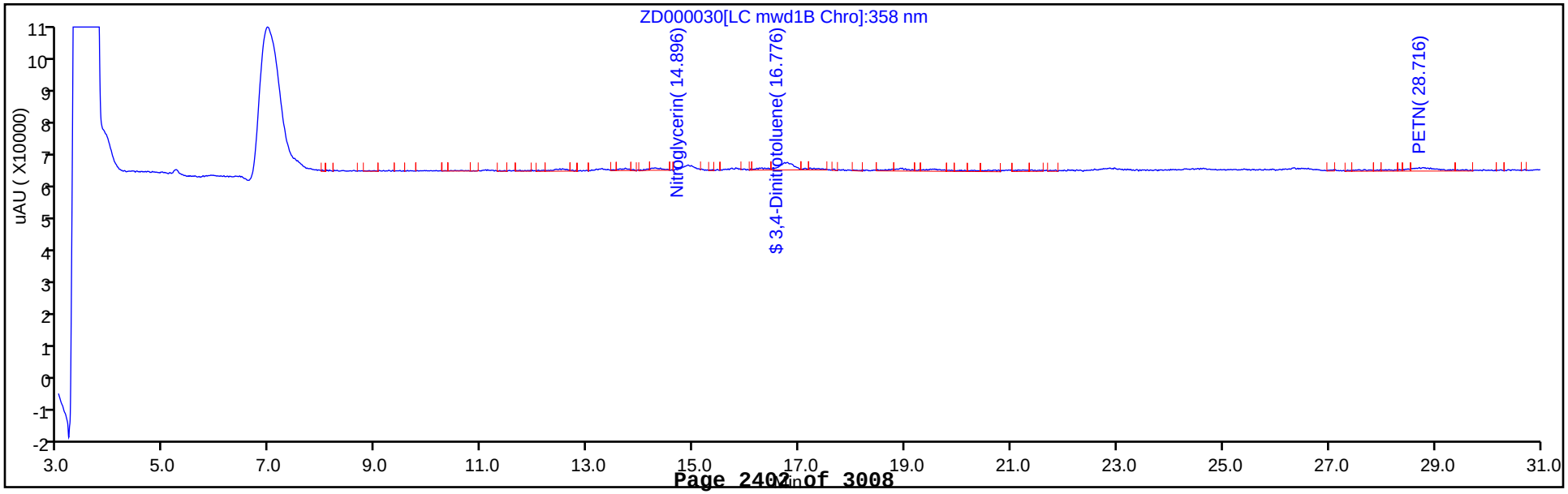
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000030.D		
Injection Date:	01-Dec-2012 05:50:54	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	30
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: STD05 320-6640/37 Calibration Date: 12/01/2012 10:32

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZD000037.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	129.4		103	100	2.8	20.0
RDX	Ave	88.99	89.29		100	100	0.3	20.0
Ethylene glycol dinitrate	Ave	96.86	107.5		111	100	10.9	20.0
1,3,5-Trinitrobenzene	Ave	162.7	165.2		102	100	1.6	20.0
1,3-Dinitrobenzene	Ave	161.7	164.5		102	100	1.8	20.0
3,5-Dinitroaniline	Ave	103.9	105.4		101	100	1.4	20.0
Tetryl	Ave	86.55	87.58		101	100	1.2	20.0
Nitrobenzene	Ave	73.74	73.15		99.2	100	-0.8	20.0
Nitroglycerin	Ave	64.89	65.85		101	100	1.5	20.0
2,4,6-Trinitrotoluene	Ave	92.79	93.01		100	100	0.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	77.06		102	100	1.8	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	83.91		100	100	0.4	20.0
2,6-Dinitrotoluene	Ave	59.58	58.91		98.9	100	-1.1	20.0
2,4-Dinitrotoluene	Ave	95.97	97.31		101	100	1.4	20.0
2-Nitrotoluene	Ave	44.56	41.36		92.8	100	-7.2	20.0
4-Nitrotoluene	Ave	53.43	51.20		95.8	100	-4.2	20.0
3-Nitrotoluene	Ave	53.94	52.33		97.0	100	-3.0	20.0
PETN	Ave	36.72	37.10		101	100	1.0	20.0
3,4-Dinitrotoluene	Ave	56.32	55.59		98.7	100	-1.3	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: STD05 320-6640/37 Calibration Date: 12/01/2012 10:32

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZD000037.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.21	4.96	5.46
RDX	7.50	7.25	7.75
Ethylene glycol dinitrate	8.20	7.95	8.45
1,3,5-Trinitrobenzene	9.85	9.60	10.10
1,3-Dinitrobenzene	12.48	12.23	12.73
3,5-Dinitroaniline	13.22	12.97	13.47
Tetryl	13.64	13.39	13.89
Nitrobenzene	14.23	13.98	14.48
Nitroglycerin	14.86	14.61	15.11
2,4,6-Trinitrotoluene	15.74	15.49	15.99
4-Amino-2,6-dinitrotoluene	16.28	16.03	16.53
2-Amino-4,6-dinitrotoluene	17.23	16.98	17.48
2,6-Dinitrotoluene	18.86	18.61	19.11
2,4-Dinitrotoluene	19.49	19.24	19.74
2-Nitrotoluene	22.86	22.61	23.11
4-Nitrotoluene	24.49	24.24	24.74
3-Nitrotoluene	26.38	26.13	26.63
PETN	28.72	28.47	28.97
3,4-Dinitrotoluene	16.70	16.45	16.95

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000037.D
Lims ID: STD05 Client ID:
Inject. Date: 01-Dec-2012 10:32:51 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 320-0001608-037
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 4
Lims Batch ID: 6640 Lims Sample ID: 37
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
Last Update: 03-Dec-2012 09:00:44 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK011

First Level Reviewer: noonanr Date: 03-Dec-2012 09:00:44

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.207	5.207	0.0	12937	102.8	
19 RDX						
1	7.501	7.501	0.0	8929	100.3	
3 Ethylene glycol dinitrate						
2	8.197	8.197	0.0	10746	110.9	
10 2,4,6-Trinitrophenol						
2	8.587	8.587	0.0	25228	204.8	
1	8.587	8.587	0.0	17356	209.9	
27 1,3,5-Trinitrobenzene						
1	9.847	9.847	0.0	16524	101.6	
24 1,3-Dinitrobenzene						
1	12.477	12.477	0.0	16452	101.8	
9 3,5-Dinitroaniline						
1	13.217	13.217	0.0	10535	101.4	
20 Tetryl						
1	13.641	13.641	0.0	8758	101.2	
5 Nitrobenzene						
1	14.227	14.227	0.0	7315	99.2	
7 Nitroglycerin						
2	14.857	14.857	0.0	6585	101.5	
25 2,4,6-Trinitrotoluene						
1	15.741	15.741	0.0	9301	100.2	
26 4-Amino-2,6-dinitrotoluene						
1	16.281	16.281	0.0	7706	101.8	
$ 30 3,4-Dinitrotoluene						
1	16.701	16.701	0.0	5559	98.7	
2	16.701	16.701	0.0	10402	100.7	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.234	17.234	0.0	8391	100.4	
12 2,6-Dinitrotoluene						
1	18.861	18.861	0.0	5891	98.9	
23 2,4-Dinitrotoluene						
1	19.491	19.491	0.0	9731	101.4	
16 o-Nitrotoluene						
1	22.861	22.861	0.0	4136	92.8	
15 p-Nitrotoluene						
1	24.487	24.487	0.0	5120	95.8	
8 m-Nitrotoluene						
1	26.377	26.377	0.0	5233	97.0	
21 PETN						M
2	28.724	28.724	0.0	3710	101.0	M

QC Flag Legend

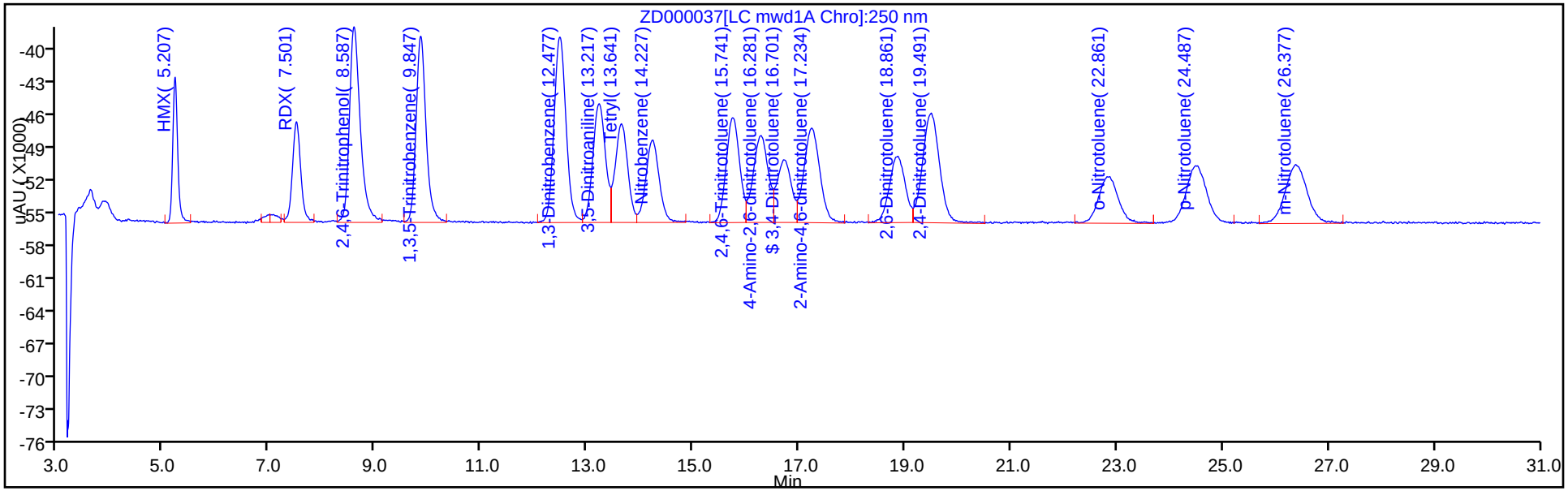
Review Flags
M - Manually Integrated

Report Date: 03-Dec-2012 09:00:44 Chrom Revision: 2.1 29-Nov-2012 15:29:30

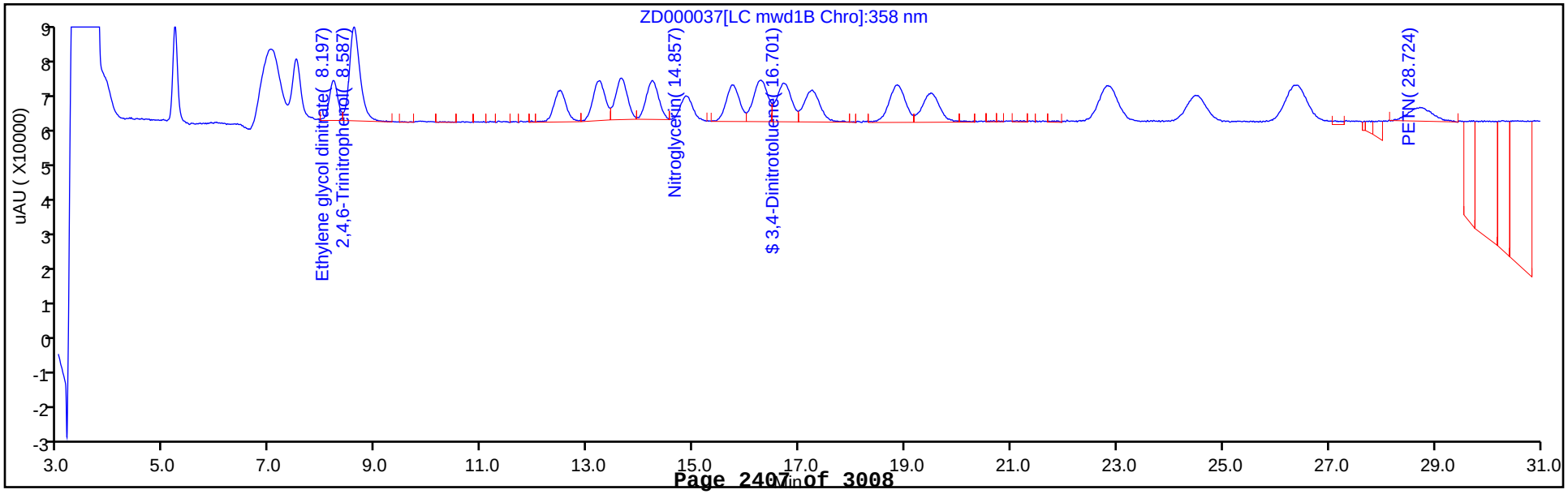
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000037.D		
Injection Date:	01-Dec-2012 10:32:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	37
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

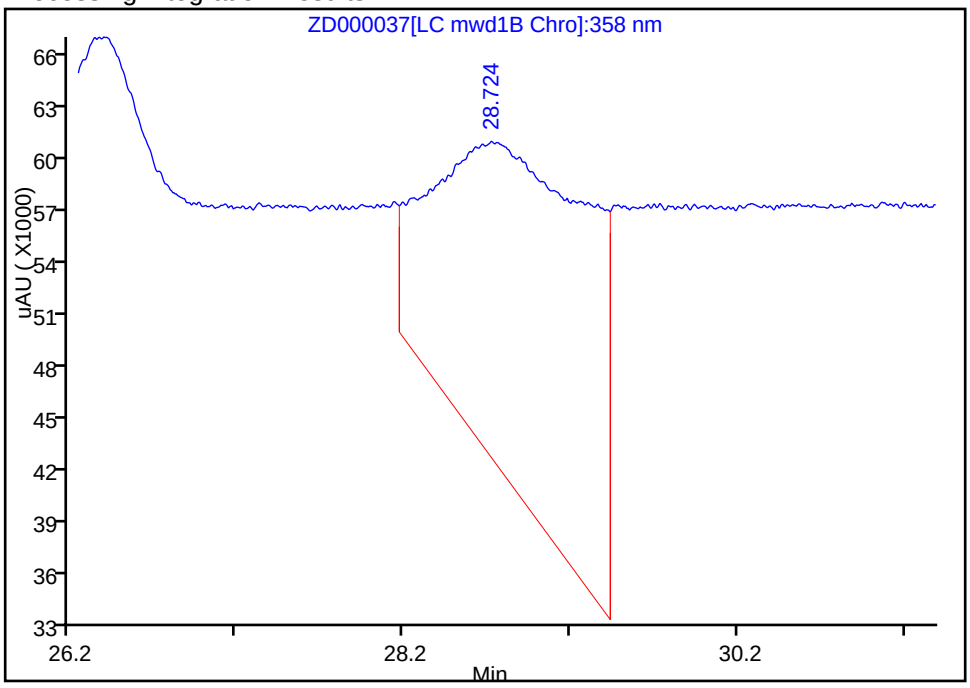
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000037.D		
Injection Date:	01-Dec-2012 10:32:51	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	37
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

21 PETN, Signal: 1, Type: quant, RT: 28.72, Det: LC mwd1B

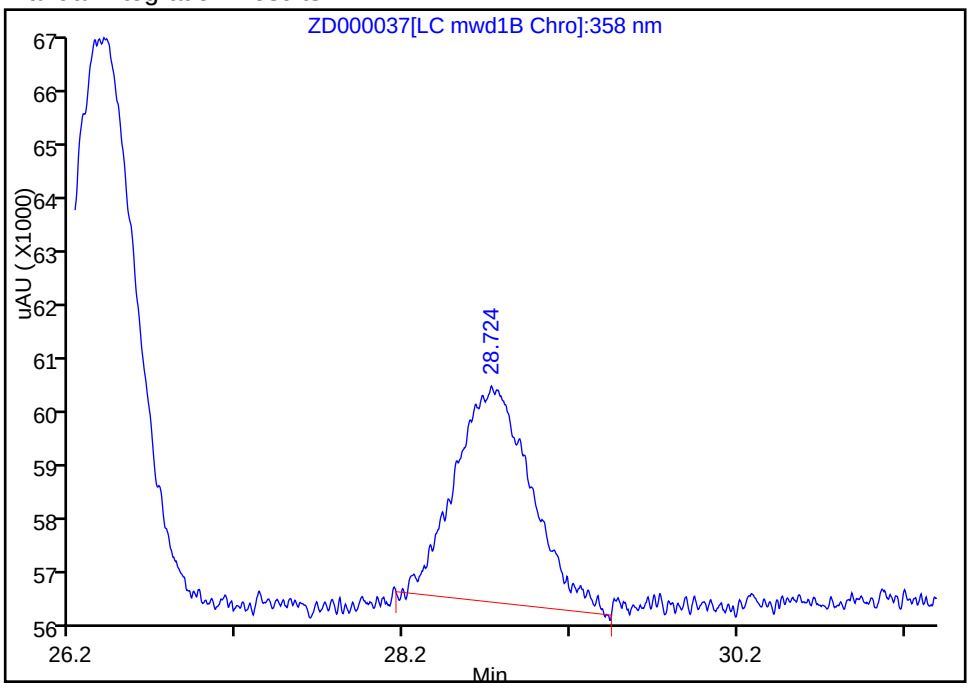
Processing Integration Results

RT: 28.72
Response: 18112
Amount: 493.1835



Manual Integration Results

RT: 28.72
Response: 3710
Amount: 101.0220



Reviewer: noonanr, 03-Dec-2012 09:00:44
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: STD05 320-6640/48 Calibration Date: 12/01/2012 17:54

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZD000048.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	127.7		101	100	1.5	20.0
RDX	Ave	88.99	87.48		98.3	100	-1.7	20.0
Ethylene glycol dinitrate	Ave	96.86	107.9		111	100	11.4	20.0
1,3,5-Trinitrobenzene	Ave	162.7	163.8		101	100	0.7	20.0
1,3-Dinitrobenzene	Ave	161.7	165.0		102	100	2.0	20.0
3,5-Dinitroaniline	Ave	103.9	103.8		99.9	100	-0.1	20.0
Tetryl	Ave	86.55	85.79		99.1	100	-0.9	20.0
Nitrobenzene	Ave	73.74	73.10		99.1	100	-0.9	20.0
Nitroglycerin	Ave	64.89	65.88		102	100	1.5	20.0
2,4,6-Trinitrotoluene	Ave	92.79	92.71		99.9	100	-0.0	20.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	75.66		99.9	100	-0.0	20.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	83.83		100	100	0.3	20.0
2,6-Dinitrotoluene	Ave	59.58	58.97		99.0	100	-1.0	20.0
2,4-Dinitrotoluene	Ave	95.97	96.49		101	100	0.5	20.0
2-Nitrotoluene	Ave	44.56	42.64		95.7	100	-4.3	20.0
4-Nitrotoluene	Ave	53.43	51.88		97.1	100	-2.9	20.0
3-Nitrotoluene	Ave	53.94	52.90		98.1	100	-1.9	20.0
PETN	Ave	36.72	39.80		108	100	8.4	20.0
3,4-Dinitrotoluene	Ave	56.32	54.71		97.1	100	-2.9	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: STD05 320-6640/48 Calibration Date: 12/01/2012 17:54

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZD000048.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.22	4.97	5.47
RDX	7.51	7.26	7.76
Ethylene glycol dinitrate	8.21	7.96	8.46
1,3,5-Trinitrobenzene	9.86	9.61	10.11
1,3-Dinitrobenzene	12.47	12.22	12.72
3,5-Dinitroaniline	13.21	12.96	13.46
Tetryl	13.64	13.39	13.89
Nitrobenzene	14.21	13.96	14.46
Nitroglycerin	14.86	14.61	15.11
2,4,6-Trinitrotoluene	15.73	15.48	15.98
4-Amino-2,6-dinitrotoluene	16.24	15.99	16.49
2-Amino-4,6-dinitrotoluene	17.21	16.96	17.46
2,6-Dinitrotoluene	18.81	18.56	19.06
2,4-Dinitrotoluene	19.45	19.20	19.70
2-Nitrotoluene	22.78	22.53	23.03
4-Nitrotoluene	24.45	24.20	24.70
3-Nitrotoluene	26.29	26.04	26.54
PETN	28.66	28.41	28.91
3,4-Dinitrotoluene	16.69	16.44	16.94

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000048.D
Lims ID: STD05 Client ID:
Inject. Date: 01-Dec-2012 17:54:59 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 320-0001608-048
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 5
Lims Batch ID: 6640 Lims Sample ID: 48
Sublist: chrom-8330_LC10*sub1

Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
Last Update: 03-Dec-2012 09:09:23 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK011

First Level Reviewer: noonanr Date: 03-Dec-2012 09:09:23

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.215	5.215	0.0	12769	101.5	
19 RDX						
1	7.509	7.509	0.0	8748	98.3	
3 Ethylene glycol dinitrate						
2	8.205	8.205	0.0	10790	111.4	
10 2,4,6-Trinitrophenol						M
2	8.592	8.592	0.0	25302	205.4	
1	0.0	9.855	-9.855	0	0	
27 1,3,5-Trinitrobenzene						M
1	9.855	9.855	0.0	16379	100.7	M
24 1,3-Dinitrobenzene						
1	12.472	12.472	0.0	16495	102.0	
9 3,5-Dinitroaniline						
1	13.205	13.205	0.0	10381	99.9	
20 Tetryl						
1	13.639	13.639	0.0	8579	99.1	
5 Nitrobenzene						
1	14.209	14.209	0.0	7310	99.1	
7 Nitroglycerin						
2	14.859	14.859	0.0	6588	101.5	
25 2,4,6-Trinitrotoluene						
1	15.725	15.725	0.0	9271	99.9	
26 4-Amino-2,6-dinitrotoluene						
1	16.242	16.242	0.0	7566	99.9	
$ 30 3,4-Dinitrotoluene						
1	16.692	16.692	0.0	5471	97.1	
2	16.695	16.695	0.0	10442	101.1	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.205	17.205	0.0	8383	100.3	
12 2,6-Dinitrotoluene						
1	18.805	18.805	0.0	5897	99.0	
23 2,4-Dinitrotoluene						
1	19.452	19.452	0.0	9649	100.5	
16 o-Nitrotoluene						
1	22.779	22.779	0.0	4264	95.7	
15 p-Nitrotoluene						
1	24.445	24.445	0.0	5188	97.1	
8 m-Nitrotoluene						
1	26.285	26.285	0.0	5290	98.1	
21 PETN						
2	28.655	28.655	0.0	3980	108.4	

QC Flag Legend

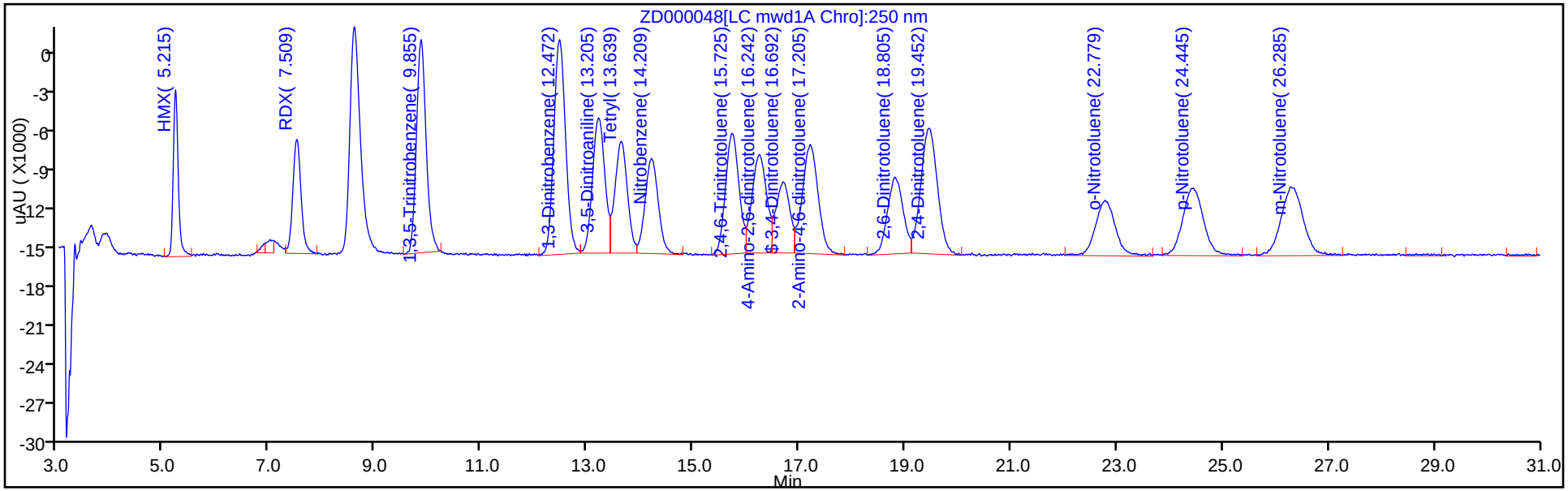
Review Flags
M - Manually Integrated

Report Date: 03-Dec-2012 09:09:23 Chrom Revision: 2.1 29-Nov-2012 15:29:30

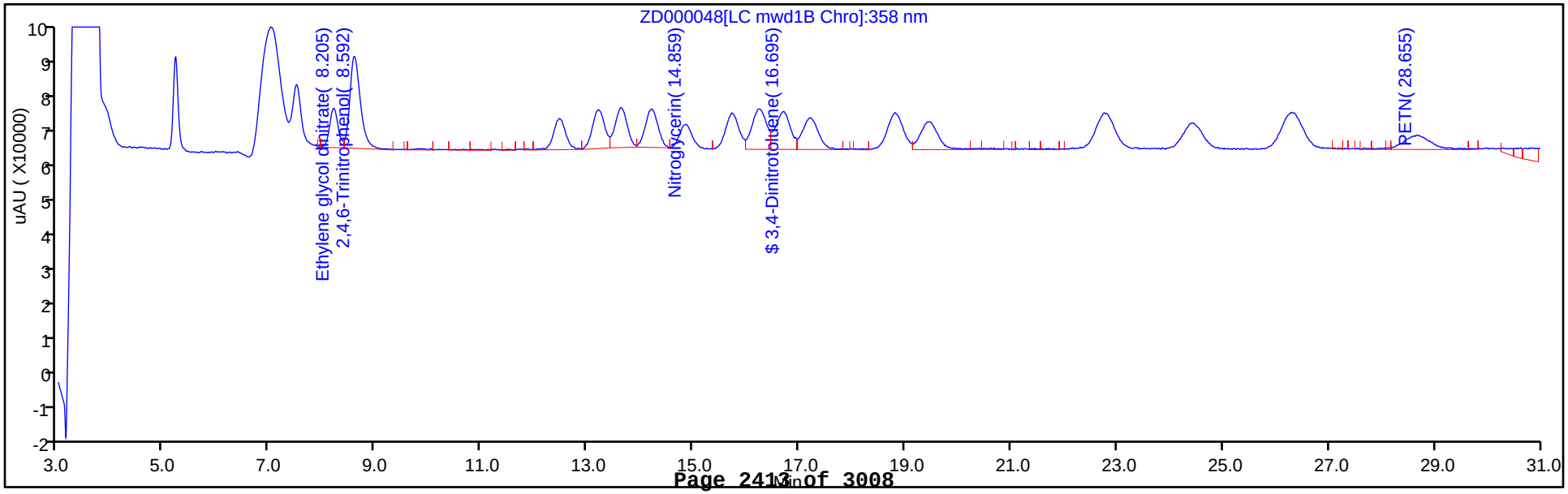
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000048.D		
Injection Date:	01-Dec-2012 17:54:59	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	48
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



Manual Integration/User Assign Peak Report

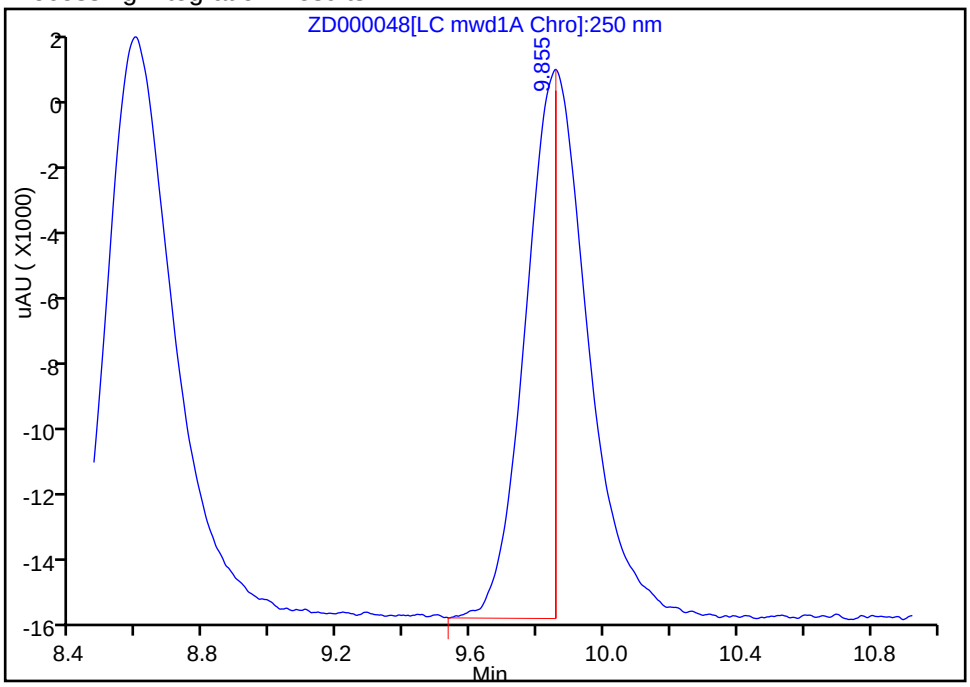
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000048.D		
Injection Date:	01-Dec-2012 17:54:59	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	48
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

27 1,3,5-Trinitrobenzene, Signal: 1, Type: quant, RT: 9.86, Det: LC mwd1A

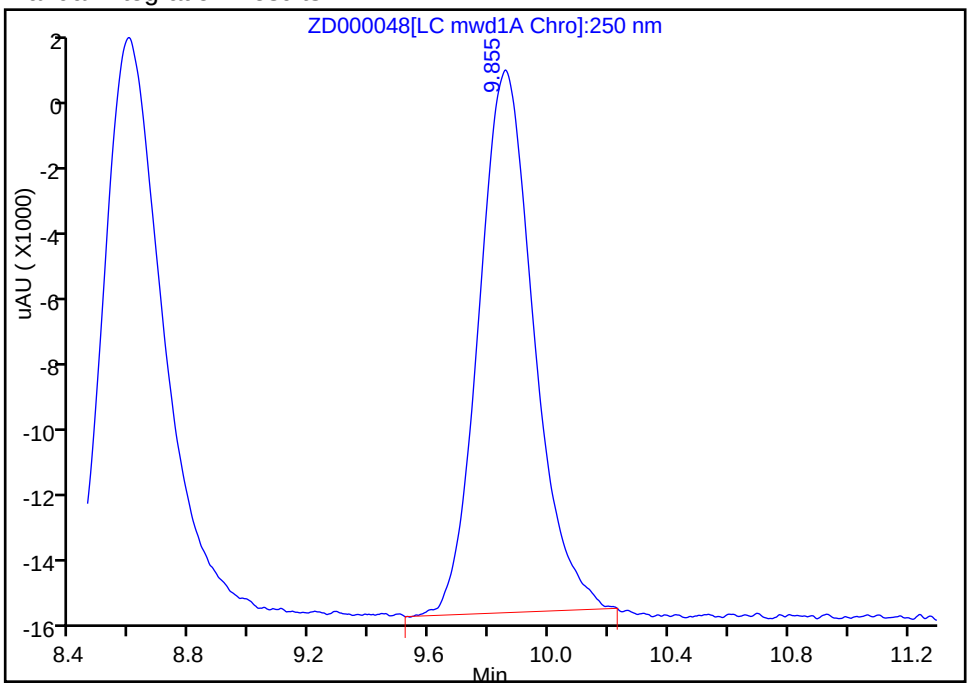
Processing Integration Results

RT: 9.86
Response: 16531
Amount: 101.6214



Manual Integration Results

RT: 9.86
Response: 16379
Amount: 100.6870



Reviewer: noonanr, 03-Dec-2012 09:09:23
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCVL 320-6640/61 Calibration Date: 12/02/2012 08:40

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZD000070.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
HMX	Ave	125.8	125.2		4.98	5.00	-0.5	30.0
RDX	Ave	88.99	117.2		6.59	5.00	31.7*	30.0
1,3,5-Trinitrobenzene	Ave	162.7	189.2		5.82	5.00	16.3	30.0
1,3-Dinitrobenzene	Ave	161.7	194.8		6.02	5.00	20.5	30.0
3,5-Dinitroaniline	Ave	103.9	135.4		6.52	5.00	30.3*	30.0
Tetryl	Ave	86.55	104.0		6.01	5.00	20.2	30.0
Nitrobenzene	Ave	73.74	102.2		6.93	5.00	38.6*	30.0
Nitroglycerin	Ave	64.89	66.70		20.6	20.0	2.8	30.0
2,4,6-Trinitrotoluene	Ave	92.79	106.6		5.74	5.00	14.9	30.0
4-Amino-2,6-dinitrotoluene	Ave	75.73	107.8		7.12	5.00	42.3*	30.0
2-Amino-4,6-dinitrotoluene	Ave	83.59	120.8		7.23	5.00	44.5*	30.0
2,6-Dinitrotoluene	Ave	59.58	97.60		8.19	5.00	63.8*	30.0
2,4-Dinitrotoluene	Ave	95.97	129.6		6.75	5.00	35.0*	30.0
2-Nitrotoluene	Ave	44.56	66.00		7.41	5.00	48.1*	30.0
4-Nitrotoluene	Ave	53.43	78.60		7.36	5.00	47.1*	30.0
3-Nitrotoluene	Ave	53.94	65.60		6.08	5.00	21.6	30.0
PETN	Ave	36.72	41.40		22.5	20.0	12.7	30.0
3,4-Dinitrotoluene	Ave	56.32	60.85		21.6	20.0	8.0	30.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Lab Sample ID: CCVL 320-6640/61 Calibration Date: 12/02/2012 08:40

Instrument ID: LC10 Calib Start Date: 09/01/2012 11:50

GC Column: Synergi C18 ID: 4.60(mm) Calib End Date: 09/01/2012 16:31

Lab File ID: ZD000070.D

Analyte	RT	RT WINDOW	
		FROM	TO
HMX	5.20	4.95	5.45
RDX	7.47	7.22	7.72
1,3,5-Trinitrobenzene	9.83	9.58	10.08
1,3-Dinitrobenzene	12.47	12.22	12.72
3,5-Dinitroaniline	13.15	12.90	13.40
Tetryl	13.55	13.30	13.80
Nitrobenzene	14.20	13.95	14.45
Nitroglycerin	14.77	14.52	15.02
2,4,6-Trinitrotoluene	15.74	15.49	15.99
4-Amino-2,6-dinitrotoluene	16.23	15.98	16.48
2-Amino-4,6-dinitrotoluene	17.17	16.92	17.42
2,6-Dinitrotoluene	18.77	18.52	19.02
2,4-Dinitrotoluene	19.39	19.14	19.64
2-Nitrotoluene	22.75	22.50	23.00
4-Nitrotoluene	24.40	24.15	24.65
3-Nitrotoluene	26.24	25.99	26.49
PETN	28.56	28.31	28.81
3,4-Dinitrotoluene	16.64	16.39	16.89

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000070.D
Lims ID: CCVL Client ID:
Inject. Date: 02-Dec-2012 08:40:40 Dil. Factor: 1.0000
Sample Type: CCVL
Sample ID: 320-0001608-061
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 10
Lims Batch ID: 6640 Lims Sample ID: 61
Sublist: chrom-8330_LC10*sub2

Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
Last Update: 03-Dec-2012 09:44:16 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK011

First Level Reviewer: noonanr Date: 03-Dec-2012 09:28:54

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.195	5.195	0.0	626	4.98	
19 RDX						
1	7.471	7.471	0.0	586	6.59	
27 1,3,5-Trinitrobenzene						
1	9.828	9.828	0.0	946	5.82	
24 1,3-Dinitrobenzene						
1	12.468	12.468	0.0	974	6.02	
9 3,5-Dinitroaniline						
1	13.152	13.152	0.0	677	6.52	
20 Tetryl						
1	13.548	13.548	0.0	520	6.01	
5 Nitrobenzene						
1	14.195	14.195	0.0	511	6.93	
7 Nitroglycerin						
2	14.768	14.768	0.0	1334	20.6	
25 2,4,6-Trinitrotoluene						
1	15.738	15.738	0.0	533	5.74	
26 4-Amino-2,6-dinitrotoluene						
1	16.228	16.228	0.0	539	7.12	
$ 30 3,4-Dinitrotoluene						
1	16.635	16.635	0.0	1217	21.6	
2	16.662	16.662	0.0	2158	20.9	
6 2-Amino-4,6-dinitrotoluene						
1	17.172	17.172	0.0	604	7.23	
12 2,6-Dinitrotoluene						
1	18.765	18.765	0.0	488	8.19	

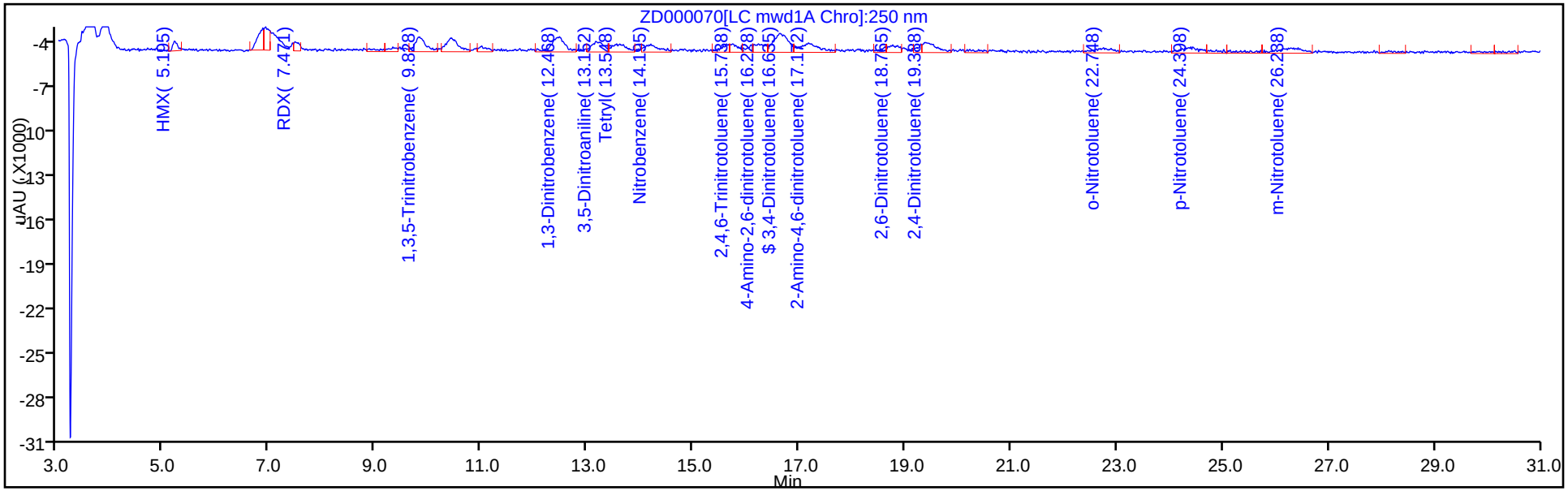
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
23 2,4-Dinitrotoluene						
1	19.388	19.388	0.0	648	6.75	
16 o-Nitrotoluene						
1	22.748	22.748	0.0	330	7.41	
15 p-Nitrotoluene						
1	24.398	24.398	0.0	393	7.36	
8 m-Nitrotoluene						
1	26.238	26.238	0.0	328	6.08	
21 PETN						
2	28.562	28.562	0.0	828	22.5	

Report Date: 03-Dec-2012 09:44:16 Chrom Revision: 2.1 29-Nov-2012 15:29:30

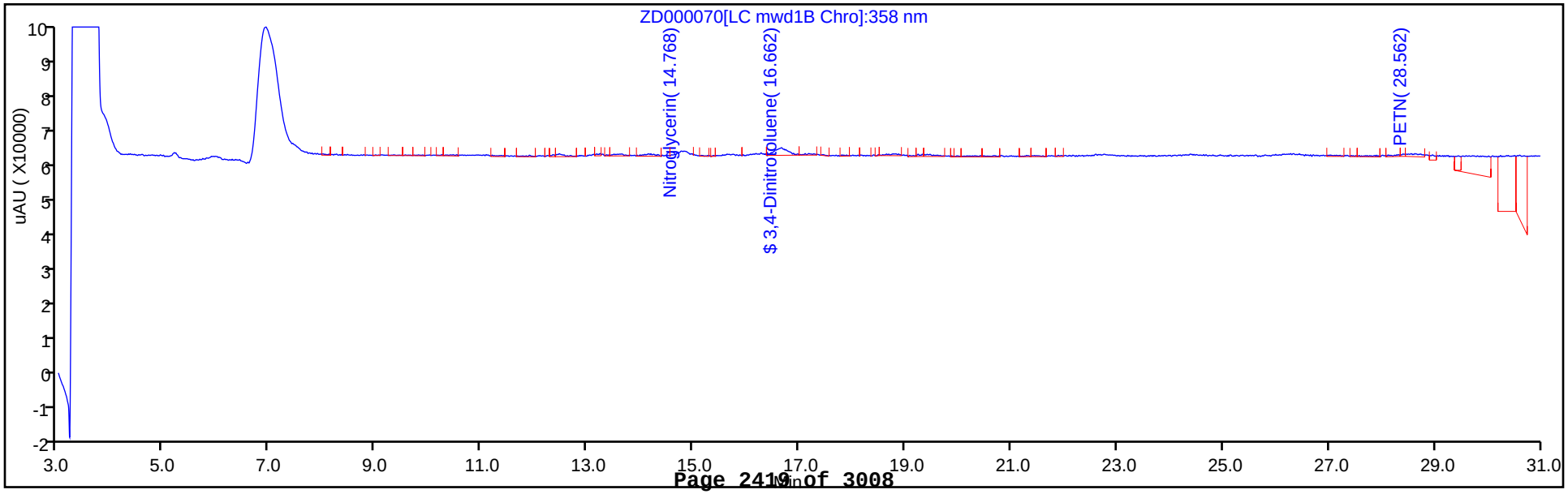
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000070.D		
Injection Date:	02-Dec-2012 08:40:40	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	61
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 320-6245/1-A

Matrix: Solid Lab File ID: ZD000038.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330B Date Extracted: 11/21/2012 15:09

Sample wt/vol: 10.00(g) Date Analyzed: 12/01/2012 11:13

Con. Extract Vol.: 80.00(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.050	U	0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.050	U	0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.050	U	0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.050	U	0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.050	U	0.25	0.050	0.0073
2691-41-0	HMX	0.050	U	0.25	0.050	0.012
98-95-3	Nitrobenzene	0.050	U	0.25	0.050	0.018
55-63-0	Nitroglycerin	0.25	U	0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.050	U	0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.050	U	0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.050	U	0.25	0.050	0.018
78-11-5	PETN	0.25	U	0.50	0.25	0.025
121-82-4	RDX	0.050	U	0.25	0.050	0.012
479-45-8	Tetryl	0.050	U	0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.050	U	0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.050	U	0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	94		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000038.D		
Lims ID:	MB 320-6245/1-A	Client ID:	
Inject. Date:	01-Dec-2012 11:13:07	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	320-0001608-038		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	40
Lims Batch ID:	6640	Lims Sample ID:	38
Method:	\\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m		
Last Update:	03-Dec-2012 09:03:27	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK011		

First Level Reviewer: noonanr Date: 03-Dec-2012 09:03:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
$ 30 3,4-Dinitrotoluene						
1	16.707	16.701	0.006	3292	58.5	
2	16.724	16.701	0.023	6274	60.7	

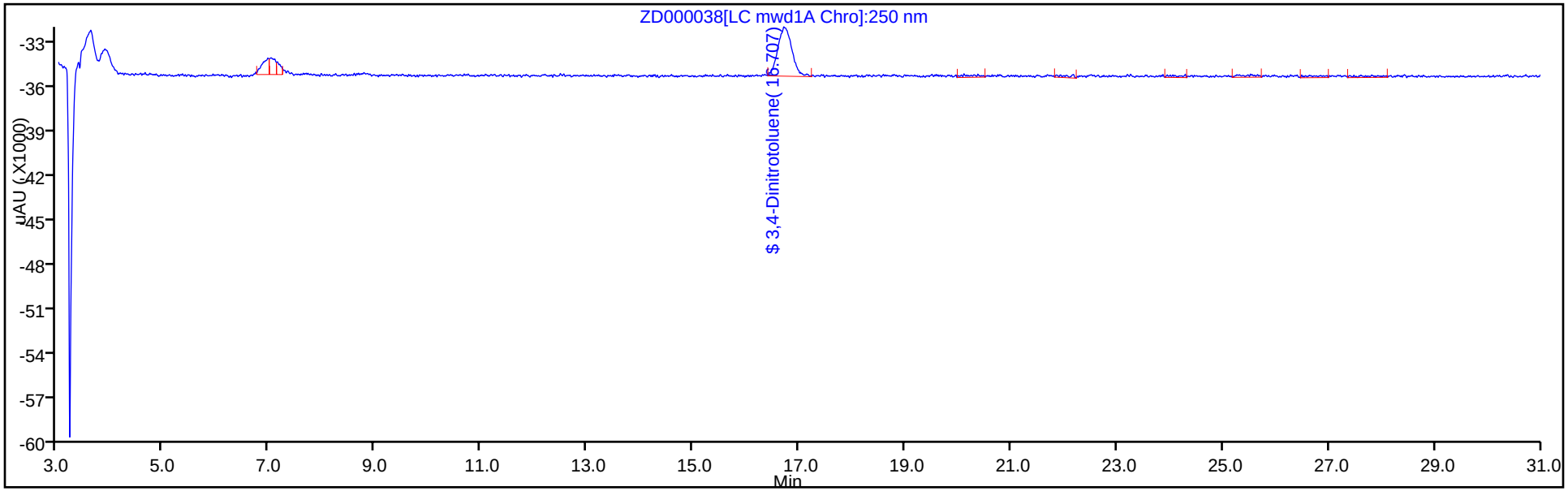
Report Date: 03-Dec-2012 09:03:27 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

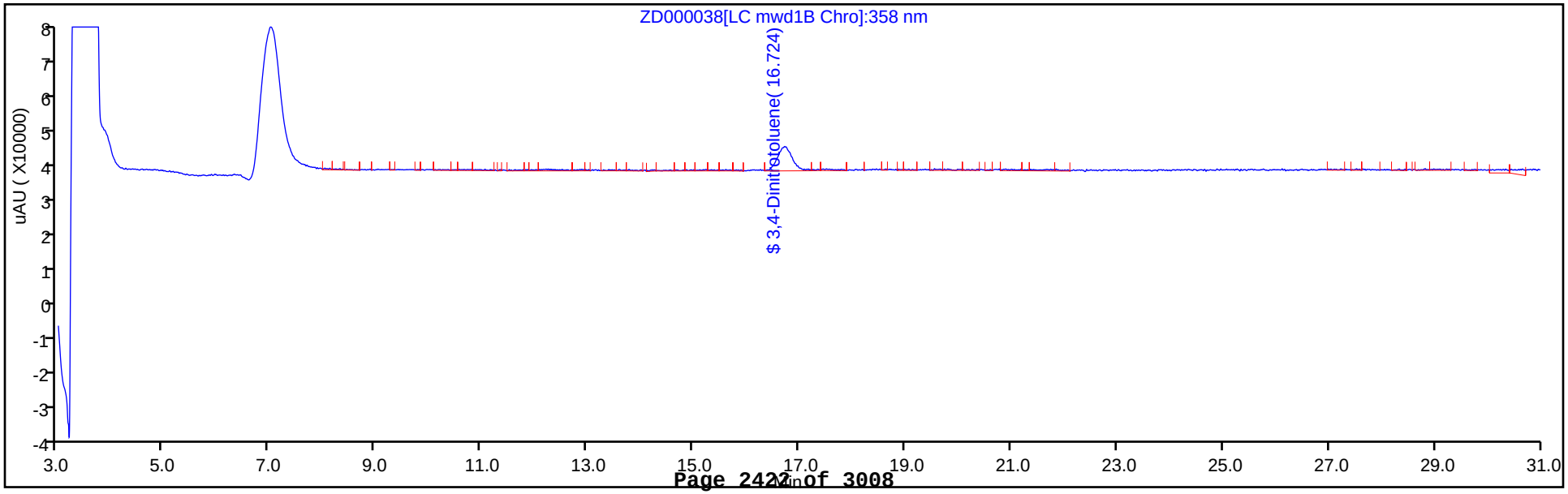
Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000038.D

Injection Date:	01-Dec-2012 11:13:07	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	38
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 320-6245/2-A

Matrix: Solid Lab File ID: ZD000039.D

Analysis Method: 8330B Date Collected:

Extraction Method: 8330B Date Extracted: 11/21/2012 15:09

Sample wt/vol: 10.00(g) Date Analyzed: 12/01/2012 11:53

Con. Extract Vol.: 80.00(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.495		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.512		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.508		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.498		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.486		0.25	0.050	0.0073
2691-41-0	HMX	0.507		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.499		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.968		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.465		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.478		0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.472		0.25	0.050	0.018
78-11-5	PETN	0.948		0.50	0.25	0.025
121-82-4	RDX	0.497		0.25	0.050	0.012
479-45-8	Tetryl	0.417		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.510		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.417		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	96		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000039.D
Lims ID: LCS 320-6245/2-A Client ID:
Inject. Date: 01-Dec-2012 11:53:10 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 320-0001608-039
Misc. Info.:
Operator: RN Instrument ID: LC10
Injection Vol: 500.0 ul ALS Bottle#: 41
Lims Batch ID: 6640 Lims Sample ID: 39

Method: \\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m
Last Update: 03-Dec-2012 09:03:56 Calib Date: 01-Sep-2012 16:31:00
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D
Limit Group: LC 8330B ICAL
Integrator: Falcon
Column Type: Synergi Hydro-RP C18 Column Dia: 4.60 mm
Process Host: XAWRK011

First Level Reviewer: noonanr Date: 03-Dec-2012 09:03:56

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.206	5.207	-0.001	7974	63.4	
19 RDX						
1	7.503	7.501	0.002	5528	62.1	
27 1,3,5-Trinitrobenzene						
1	9.846	9.847	-0.001	10365	63.7	
24 1,3-Dinitrobenzene						
1	12.476	12.477	-0.001	10274	63.5	
9 3,5-Dinitroaniline						
1	13.206	13.217	-0.011	6602	63.5	
20 Tetryl						
1	13.636	13.641	-0.005	4509	52.1	
5 Nitrobenzene						
1	14.206	14.227	-0.021	4601	62.4	
7 Nitroglycerin						
2	14.849	14.857	-0.008	7855	121.1	
25 2,4,6-Trinitrotoluene						
1	15.733	15.741	-0.008	4836	52.1	
26 4-Amino-2,6-dinitrotoluene						
1	16.269	16.281	-0.012	4846	64.0	
$ 30 3,4-Dinitrotoluene						
1	16.703	16.701	0.002	3375	59.9	
2	16.726	16.701	0.025	6158	59.6	
6 2-Amino-4,6-dinitrotoluene						
1	17.213	17.234	-0.021	5170	61.8	
12 2,6-Dinitrotoluene						
1	18.833	18.861	-0.028	3617	60.7	
23 2,4-Dinitrotoluene						
1	19.473	19.491	-0.018	5972	62.2	

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
16 o-Nitrotoluene						
1	22.839	22.861	-0.022	2589	58.1	
15 p-Nitrotoluene						
1	24.489	24.487	0.002	3149	58.9	
8 m-Nitrotoluene						
1	26.366	26.377	-0.011	3224	59.8	
21 PETN						
2	28.669	28.724	-0.055	4352	118.5	

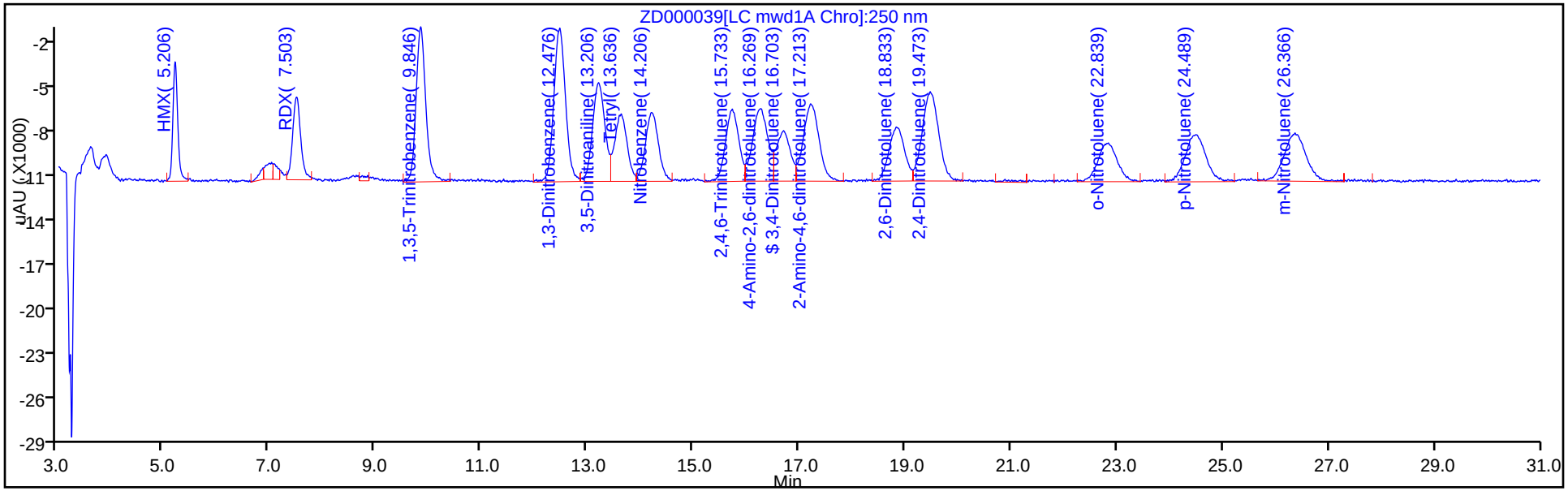
Report Date: 03-Dec-2012 09:03:56 Chrom Revision: 2.1 29-Nov-2012 15:29:30

TestAmerica West Sacramento

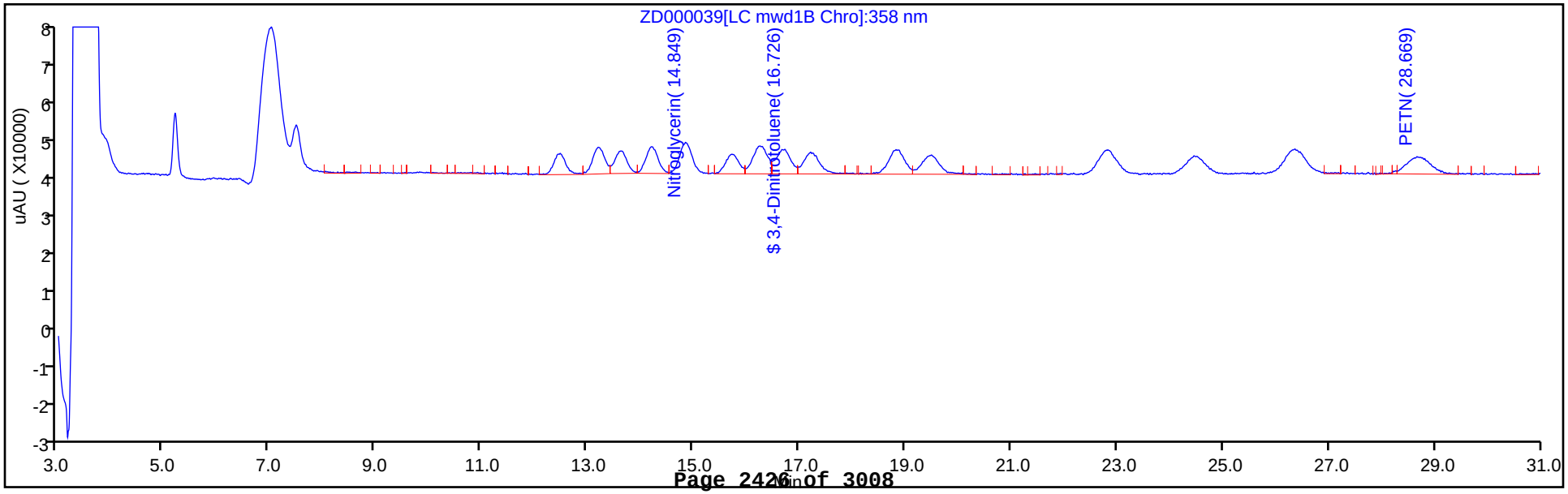
Data File: \\SACChrom\ChromData\LC10\20121130-1608.b\ZD000039.D

Injection Date:	01-Dec-2012 11:53:10	Limit Group:	LC 8330B ICAL
Client ID:		Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	39
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MS Lab Sample ID: 240-17477-6 MS

Matrix: Solid Lab File ID: ZD000041.D

Analysis Method: 8330B Date Collected: 11/09/2012 11:10

Extraction Method: 8330B Date Extracted: 11/21/2012 15:09

Sample wt/vol: 10.00(g) Date Analyzed: 12/01/2012 13:13

Con. Extract Vol.: 80.00(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.472		0.25	0.050	0.013
19406-51-0	4-Amino-2,6-dinitrotoluene	0.489		0.25	0.050	0.010
99-65-0	1,3-Dinitrobenzene	0.500		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.484		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.478		0.25	0.050	0.0073
2691-41-0	HMX	0.494		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.484		0.25	0.050	0.018
55-63-0	Nitroglycerin	0.964		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.468		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.475		0.25	0.050	0.016
99-99-0	4-Nitrotoluene	0.459		0.25	0.050	0.018
78-11-5	PETN	0.956		0.50	0.25	0.025
121-82-4	RDX	0.473		0.25	0.050	0.012
479-45-8	Tetryl	0.401		0.25	0.050	0.010
99-35-4	1,3,5-Trinitrobenzene	0.492		0.25	0.050	0.010
118-96-7	2,4,6-Trinitrotoluene	0.401		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	92		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000041.D		
Lims ID:	240-17477-A-6-Z MS	Client ID:	079SS-0004M-0002-SO
Inject. Date:	01-Dec-2012 13:13:34	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	320-0001608-041		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	43
Lims Batch ID:	6640	Lims Sample ID:	41
Method:	\\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m		
Last Update:	03-Dec-2012 09:05:08	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK011		

First Level Reviewer: noonanr Date: 03-Dec-2012 09:05:08

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.207	5.207	0.0	7770	61.8	
19 RDX						
1	7.504	7.501	0.003	5257	59.1	
3 Ethylene glycol dinitrate						
2	8.141	8.197	-0.056	573	5.92	
10 2,4,6-Trinitrophenol						
2	8.697	8.587	0.110	266	2.16	
1	8.641	8.587	0.054	276	3.34	
27 1,3,5-Trinitrobenzene						
1	9.847	9.847	0.0	9997	61.5	
24 1,3-Dinitrobenzene						
1	12.471	12.477	-0.006	10099	62.5	
9 3,5-Dinitroaniline						
1	13.211	13.217	-0.006	6048	58.2	
20 Tetryl						
1	13.624	13.641	-0.017	4333	50.1	
5 Nitrobenzene						
1	14.214	14.227	-0.013	4458	60.5	
7 Nitroglycerin						
2	14.857	14.857	0.0	7816	120.5	
25 2,4,6-Trinitrotoluene						
1	15.747	15.741	0.006	4650	50.1	
26 4-Amino-2,6-dinitrotoluene						
1	16.261	16.281	-0.020	4627	61.1	
$ 30 3,4-Dinitrotoluene						
1	16.691	16.701	-0.010	3236	57.5	
2	16.711	16.701	0.010	6127	59.3	

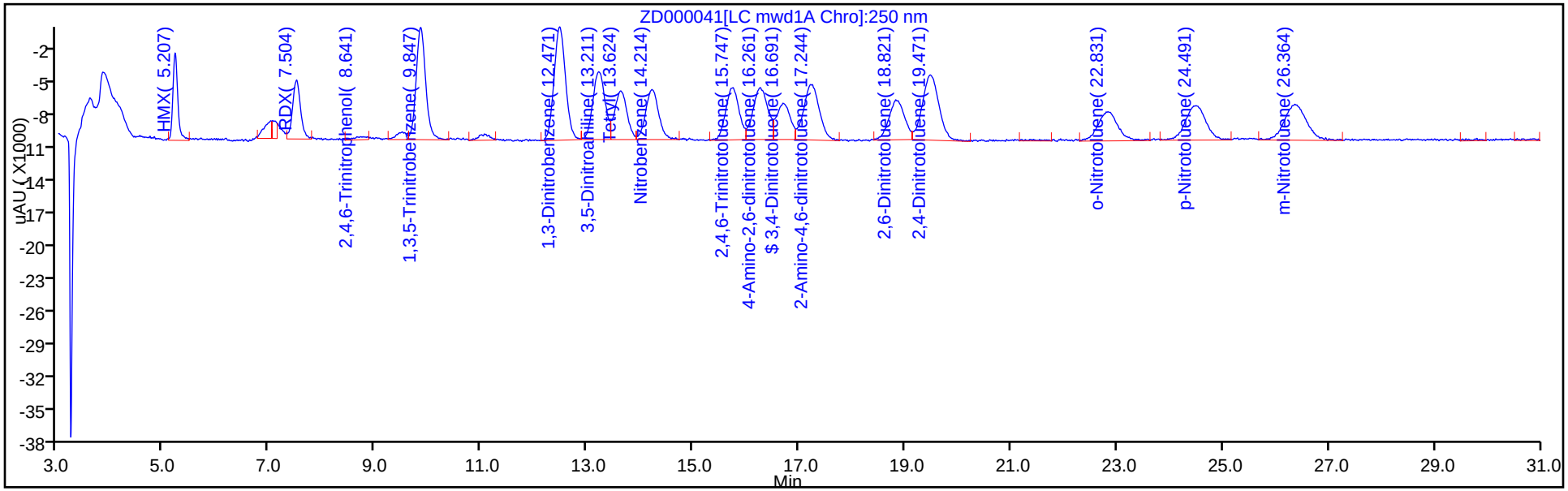
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.244	17.234	0.010	4936	59.0	
12 2,6-Dinitrotoluene						
1	18.821	18.861	-0.040	3559	59.7	
23 2,4-Dinitrotoluene						
1	19.471	19.491	-0.020	5811	60.6	
16 o-Nitrotoluene						
1	22.831	22.861	-0.030	2605	58.5	
15 p-Nitrotoluene						
1	24.491	24.487	0.004	3066	57.4	
8 m-Nitrotoluene						
1	26.364	26.377	-0.013	3201	59.3	
21 PETN						
2	28.711	28.724	-0.013	4388	119.5	

Report Date: 03-Dec-2012 09:05:09 Chrom Revision: 2.1 29-Nov-2012 15:29:30

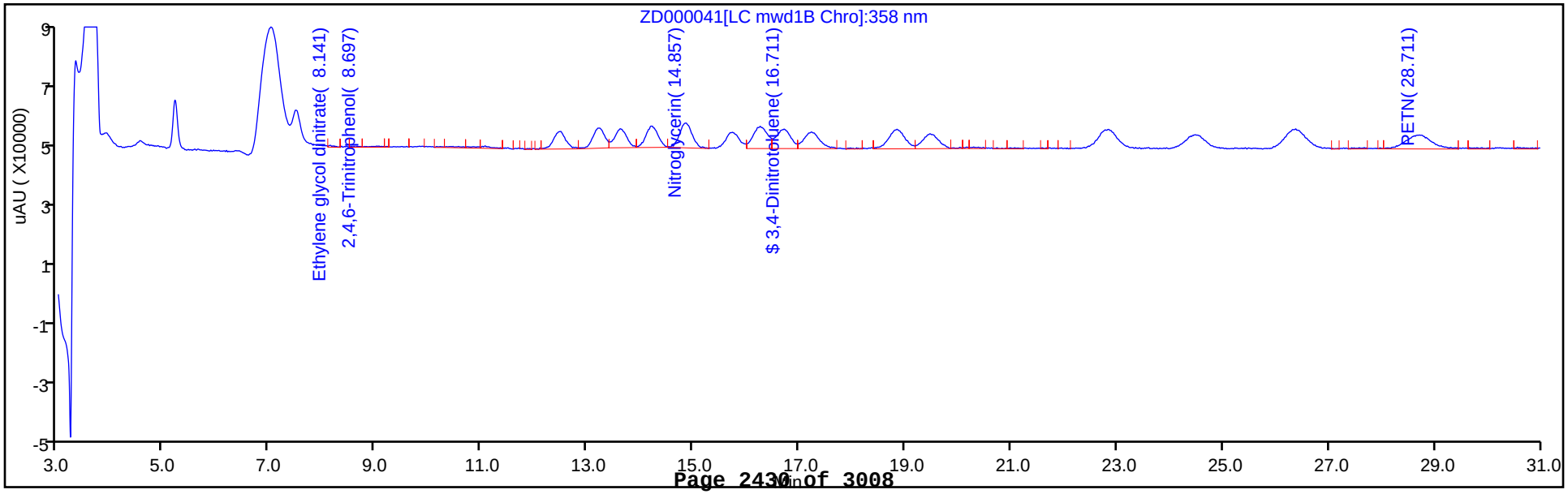
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000041.D		
Injection Date:	01-Dec-2012 13:13:34	Limit Group:	LC 8330B ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	41
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Client Sample ID: 079SS-0004M-0001-SO MSD Lab Sample ID: 240-17477-6 MSD

Matrix: Solid Lab File ID: ZD000042.D

Analysis Method: 8330B Date Collected: 11/09/2012 11:10

Extraction Method: 8330B Date Extracted: 11/21/2012 15:09

Sample wt/vol: 10.07(g) Date Analyzed: 12/01/2012 13:53

Con. Extract Vol.: 80.00(mL) Dilution Factor: 1

Injection Volume: 500(uL) GC Column: Synergi C18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 6640 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.474		0.25	0.050	0.012
19406-51-0	4-Amino-2,6-dinitrotoluene	0.500		0.25	0.050	0.0099
99-65-0	1,3-Dinitrobenzene	0.494		0.25	0.050	0.0042
121-14-2	2,4-Dinitrotoluene	0.483		0.25	0.050	0.0053
606-20-2	2,6-Dinitrotoluene	0.481		0.25	0.050	0.0072
2691-41-0	HMX	0.492		0.25	0.050	0.012
98-95-3	Nitrobenzene	0.492		0.25	0.050	0.017
55-63-0	Nitroglycerin	0.937		0.50	0.25	0.015
88-72-2	2-Nitrotoluene	0.464		0.25	0.050	0.013
99-08-1	3-Nitrotoluene	0.483		0.25	0.050	0.015
99-99-0	4-Nitrotoluene	0.467		0.25	0.050	0.018
78-11-5	PETN	0.991		0.50	0.25	0.025
121-82-4	RDX	0.476		0.25	0.050	0.012
479-45-8	Tetryl	0.411		0.25	0.050	0.0099
99-35-4	1,3,5-Trinitrobenzene	0.490		0.25	0.050	0.0099
118-96-7	2,4,6-Trinitrotoluene	0.407		0.25	0.050	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
610-39-9	3,4-Dinitrotoluene	93		78-118

TestAmerica West Sacramento
Target Compound Quantitation Report

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000042.D		
Lims ID:	240-17477-A-6-AA MSD	Client ID:	079SS-0004M-0002-SO
Inject. Date:	01-Dec-2012 13:53:38	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	320-0001608-042		
Misc. Info.:			
Operator:	RN	Instrument ID:	LC10
Injection Vol:	500.0 ul	ALS Bottle#:	44
Lims Batch ID:	6640	Lims Sample ID:	42
Method:	\\SACChrom\ChromData\LC10\20121130-1608.b\8330_LC10.m		
Last Update:	03-Dec-2012 09:05:28	Calib Date:	01-Sep-2012 16:31:00
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\SACChrom\ChromData\LC10\20120905-755.b\A-000013.D		
Limit Group:	LC 8330B ICAL		
Integrator:	Falcon		
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm
Process Host:	XAWRK011		

First Level Reviewer: noonanr Date: 03-Dec-2012 09:05:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
11 HMX						
1	5.210	5.207	0.003	7796	62.0	
19 RDX						
1	7.497	7.501	-0.004	5327	59.9	
3 Ethylene glycol dinitrate						
2	8.070	8.197	-0.127	508	5.24	
10 2,4,6-Trinitrophenol						
2	8.640	8.587	0.053	339	2.75	
1	8.680	8.587	0.093	340	4.11	
27 1,3,5-Trinitrobenzene						
1	9.853	9.847	0.006	10029	61.7	
24 1,3-Dinitrobenzene						
1	12.484	12.477	0.007	10047	62.1	
9 3,5-Dinitroaniline						
1	13.224	13.217	0.007	6132	59.0	
20 Tetryl						
1	13.630	13.641	-0.011	4478	51.7	
5 Nitrobenzene						
1	14.214	14.227	-0.013	4570	62.0	
7 Nitroglycerin						
2	14.860	14.857	0.003	7656	118.0	
25 2,4,6-Trinitrotoluene						
1	15.757	15.741	0.016	4755	51.2	
26 4-Amino-2,6-dinitrotoluene						
1	16.277	16.281	-0.004	4763	62.9	
$ 30 3,4-Dinitrotoluene						
1	16.727	16.701	0.026	3279	58.2	
2	16.710	16.701	0.009	6070	58.7	

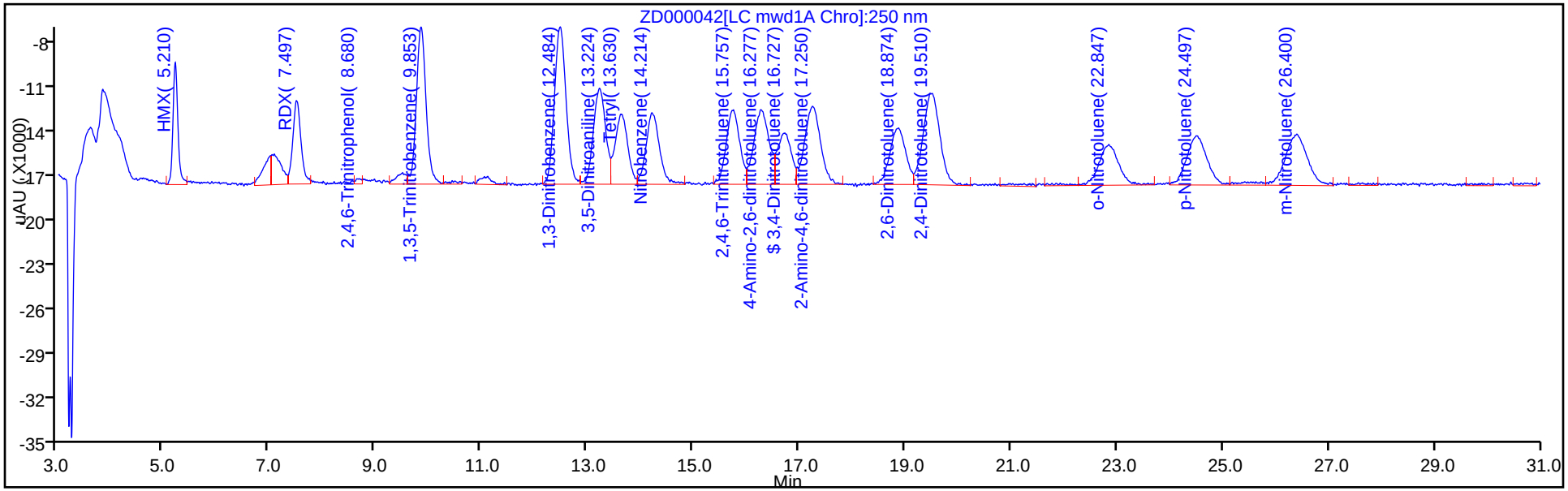
Det	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Flags
6 2-Amino-4,6-dinitrotoluene						
1	17.250	17.234	0.016	4983	59.6	
12 2,6-Dinitrotoluene						
1	18.874	18.861	0.013	3606	60.5	
23 2,4-Dinitrotoluene						
1	19.510	19.491	0.019	5836	60.8	
16 o-Nitrotoluene						
1	22.847	22.861	-0.014	2601	58.4	
15 p-Nitrotoluene						
1	24.497	24.487	0.010	3144	58.8	
8 m-Nitrotoluene						
1	26.400	26.377	0.023	3277	60.8	
21 PETN						
2	28.674	28.724	-0.050	4581	124.7	

Report Date: 03-Dec-2012 09:05:28 Chrom Revision: 2.1 29-Nov-2012 15:29:30

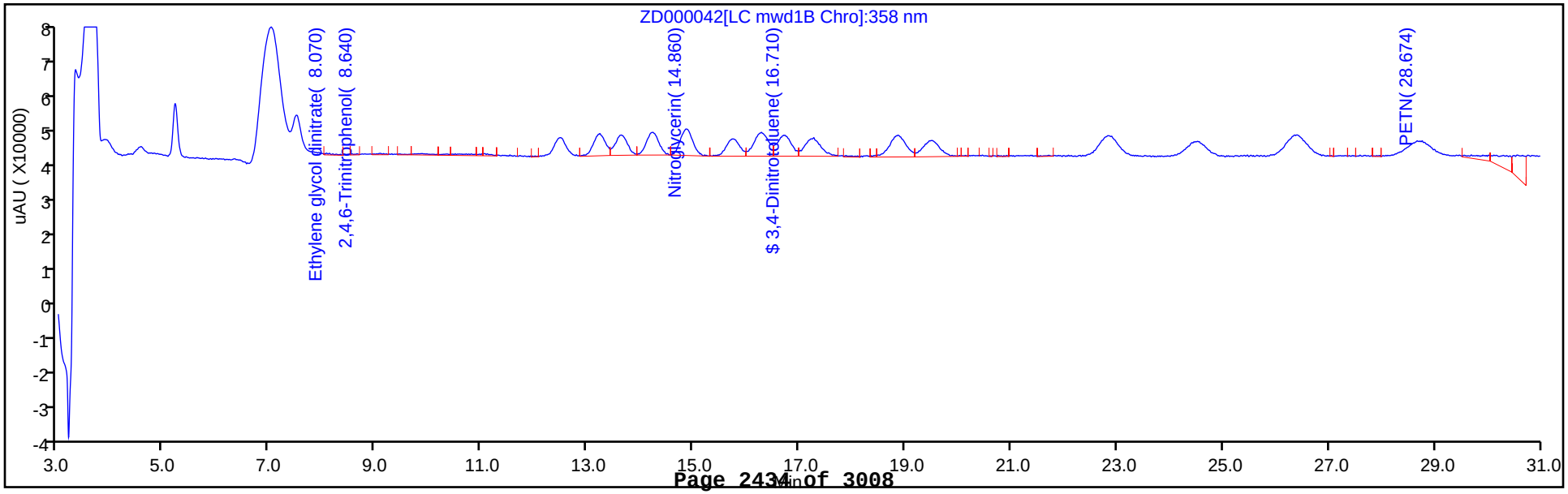
TestAmerica West Sacramento

Data File:	\\SACChrom\ChromData\LC10\20121130-1608.b\ZD000042.D		
Injection Date:	01-Dec-2012 13:53:38	Limit Group:	LC 8330B ICAL
Client ID:	079SS-0004M-0002-SO	Instrument ID:	LC10
Lims Batch ID:	6640	Lims Sample ID:	42
Operator ID:	RN	Injection Vol:	500.0 ul
Column Type:	Synergi Hydro-RP C18	Column Dia:	4.60 mm

Y Scaling:



Y Scaling:



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Instrument ID: LC10 Start Date: 09/01/2012 11:10

Analysis Batch Number: 3377 End Date: 09/01/2012 19:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/01/2012 11:10	1		Synergi C18 4.6(mm)
STD01 320-3377/2 IC		09/01/2012 11:50	1	A-000006.D	Synergi C18 4.6(mm)
STD02 320-3377/3 IC		09/01/2012 12:30	1	A-000007.D	Synergi C18 4.6(mm)
STD03 320-3377/4 IC		09/01/2012 13:10	1	A-000008.D	Synergi C18 4.6(mm)
STD04 320-3377/5 IC		09/01/2012 13:50	1	A-000009.D	Synergi C18 4.6(mm)
STD05 320-3377/6 IC		09/01/2012 14:30	1	A-000010.D	Synergi C18 4.6(mm)
STD06 320-3377/7 IC		09/01/2012 15:10	1	A-000011.D	Synergi C18 4.6(mm)
STD07 320-3377/8 IC		09/01/2012 15:50	1	A-000012.D	Synergi C18 4.6(mm)
STD08 320-3377/9 IC		09/01/2012 16:31	1	A-000013.D	Synergi C18 4.6(mm)
ZZZZZ		09/01/2012 17:10	1		Synergi C18 4.6(mm)
ICV 320-3377/11		09/01/2012 17:51	1	A-000015.D	Synergi C18 4.6(mm)
ICV 320-3377/12		09/01/2012 18:31	1		
LODV 320-3377/13		09/01/2012 19:11	1	A-000017.D	Synergi C18 4.6(mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Instrument ID: LC10 Start Date: 12/01/2012 05:10

Analysis Batch Number: 6640 End Date: 12/02/2012 09:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD05 320-6640/29 CCVRT		12/01/2012 05:10	1		Synergi C18 4.6(mm)
CCVL 320-6640/30		12/01/2012 05:50	1	ZD000030.D	Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 06:31	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 07:11	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 07:51	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 08:32	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 09:12	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 09:52	1		Synergi C18 4.6(mm)
STD05 320-6640/37 CCVRT		12/01/2012 10:32	1	ZD000037.D	Synergi C18 4.6(mm)
MB 320-6245/1-A		12/01/2012 11:13	1	ZD000038.D	Synergi C18 4.6(mm)
LCS 320-6245/2-A		12/01/2012 11:53	1	ZD000039.D	Synergi C18 4.6(mm)
240-17477-6	079SS-0004M-0001-SO	12/01/2012 12:33	1	ZD000040.D	Synergi C18 4.6(mm)
240-17477-6 MS	079SS-0004M-0001-SO MS	12/01/2012 13:13	1	ZD000041.D	Synergi C18 4.6(mm)
240-17477-6 MSD	079SS-0004M-0001-SO MSD	12/01/2012 13:53	1	ZD000042.D	Synergi C18 4.6(mm)
240-17477-7	079SS-0005M-0001-SO	12/01/2012 14:33	1	ZD000043.D	Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 15:14	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 15:54	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 16:34	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 17:14	1		Synergi C18 4.6(mm)
STD05 320-6640/48 CCVRT		12/01/2012 17:54	1	ZD000048.D	Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 18:35	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 19:15	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 19:55	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 20:35	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 21:15	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 21:56	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 22:36	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 23:16	1		Synergi C18 4.6(mm)
ZZZZZ		12/01/2012 23:56	1		Synergi C18 4.6(mm)
ZZZZZ		12/02/2012 00:37	1		Synergi C18 4.6(mm)
STD05 320-6640/59 CCVRT		12/02/2012 01:17	1		Synergi C18 4.6(mm)
ZZZZZ		12/02/2012 01:57	1		Synergi C18 4.6(mm)
CCVL 320-6640/61		12/02/2012 08:40	1	ZD000070.D	Synergi C18 4.6(mm)
STD05 320-6640/62 CCVRT		12/02/2012 09:21	1		Synergi C18 4.6(mm)

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Batch Number: 6245 Batch Start Date: 11/21/12 15:09 Batch Analyst: Reed, Jonathan E

Batch Method: 8330B Batch End Date: 11/26/12 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HP34DNTSU 00008	HP8330SP 00008	HPNGSP 00006	HPPETNSP 00005
MB 320-6245/1		8330B, 8330B		10.00 g	80.00 mL	100 uL			
LCS 320-6245/2		8330B, 8330B		10.00 g	80.00 mL	100 uL	100 uL	200 uL	200 uL
240-17477-O-6	079SS-0004M-0001-SO	8330B, 8330B	T	10.04 g	80.00 mL	100 uL			
240-17477-A-6 MS	079SS-0004M-0001-SO	8330B, 8330B	T	10.00 g	80.00 mL	100 uL	100 uL	200 uL	200 uL
240-17477-A-6 MSD	079SS-0004M-0001-SO	8330B, 8330B	T	10.07 g	80.00 mL	100 uL	100 uL	200 uL	200 uL
240-17477-F-7	079SS-0005M-0001-SO	8330B, 8330B	T	9.98 g	80.00 mL	100 uL			

Batch Notes	
Balance ID	QA-070
Person's name who did the concentration	HA
Date of Clean up	11-26-12
Analyst performed Clean Up	HA
Diluting Solvent Lot #	CaCL2_00003
Date Dilution Performed	11-26-12
Analytst performing Dilution	HA
Filter Lot #	R2DA02309
Filter Type	.45 MILLIPORE
Minumum Temperature	0
Person's name who witnessed reagent drop	Anil Matri
Blank Sand Lot #	FISHER 120571
Solvent Lot #	HPHOAC/ACN_00002
Solvent Name	0.1% HOAC/ACN
Sonication Start Time	20:10 11-21-12
Sonication Stop Time	14:10 11-22-12
SOP Number	WS-LC-0009
Maximum Temperature	35

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
068SW-0013-0001-SW	240-17477-1
068SW-0014-0001-SW	240-17477-2
068SW-0015-0001-SW	240-17477-3
068SW-0016-0001-SW	240-17477-4
079SS-0003M-0001-SO	240-17477-5
079SS-0004M-0001-SO	240-17477-6
079SS-0005M-0001-SO	240-17477-7

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 068SW-0013-0001-SW
Lab Sample ID: 240-17477-1
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG ID.:
Matrix: Water
Date Sampled: 11/08/2012 14:00
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.20	0.20	0.20	0.12	ug/L	U		1	7470A/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 068SW-0013-0001-SW
Lab Sample ID: 240-17477-1
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG ID.:
Matrix: Water
Date Sampled: 11/08/2012 14:00
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	54	60	60	20	ug/L	J		1	6020/DOD
Antimony	0.50	2.0	0.50	0.21	ug/L	U		1	6020/DOD
Arsenic	0.64	5.0	1.0	0.44	ug/L	J		1	6020/DOD
Barium	30	5.0	4.0	1.6	ug/L			1	6020/DOD
Beryllium	0.50	1.0	0.50	0.50	ug/L	U		1	6020/DOD
Cadmium	0.40	2.0	0.40	0.40	ug/L	U		1	6020/DOD
Calcium	33000	2000	1000	540	ug/L			1	6020/DOD
Chromium	1.5	2.0	1.5	0.53	ug/L	U		1	6020/DOD
Cobalt	0.29	1.0	0.20	0.20	ug/L	J		1	6020/DOD
Copper	4.0	4.0	4.0	1.4	ug/L	U		1	6020/DOD
Iron	1400	150	100	44	ug/L			1	6020/DOD
Lead	0.50	1.0	0.50	0.20	ug/L	U		1	6020/DOD
Magnesium	9400	1000	300	120	ug/L			1	6020/DOD
Manganese	620	5.0	3.0	1.1	ug/L			1	6020/DOD
Nickel	1.5	5.0	1.5	0.62	ug/L	U		1	6020/DOD
Potassium	1700	1000	50	16	ug/L			1	6020/DOD
Selenium	0.50	5.0	0.50	0.20	ug/L	U		1	6020/DOD
Silver	0.25	1.0	0.25	0.080	ug/L	U		1	6020/DOD
Sodium	4300	1000	400	160	ug/L			1	6020/DOD
Thallium	1.0	2.0	1.0	0.32	ug/L	U		1	6020/DOD
Vanadium	1.5	5.0	1.5	0.51	ug/L	U		1	6020/DOD
Zinc	20	40	20	8.8	ug/L	U		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 068SW-0014-0001-SW
Lab Sample ID: 240-17477-2
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG ID.:
Matrix: Water
Date Sampled: 11/08/2012 13:25
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.20	0.20	0.20	0.12	ug/L	U		1	7470A/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 068SW-0014-0001-SW
Lab Sample ID: 240-17477-2
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG ID.:
Matrix: Water
Date Sampled: 11/08/2012 13:25
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	250	60	60	20	ug/L			1	6020/DOD
Antimony	0.50	2.0	0.50	0.21	ug/L	U		1	6020/DOD
Arsenic	0.70	5.0	1.0	0.44	ug/L	J		1	6020/DOD
Barium	32	5.0	4.0	1.6	ug/L			1	6020/DOD
Beryllium	0.50	1.0	0.50	0.50	ug/L	U		1	6020/DOD
Cadmium	0.40	2.0	0.40	0.40	ug/L	U		1	6020/DOD
Calcium	33000	2000	1000	540	ug/L			1	6020/DOD
Chromium	1.5	2.0	1.5	0.53	ug/L	U		1	6020/DOD
Cobalt	0.20	1.0	0.20	0.20	ug/L	U		1	6020/DOD
Copper	4.0	4.0	4.0	1.4	ug/L	U		1	6020/DOD
Iron	1000	150	100	44	ug/L			1	6020/DOD
Lead	0.31	1.0	0.50	0.20	ug/L	J		1	6020/DOD
Magnesium	9000	1000	300	120	ug/L			1	6020/DOD
Manganese	240	5.0	3.0	1.1	ug/L			1	6020/DOD
Nickel	0.74	5.0	1.5	0.62	ug/L	J		1	6020/DOD
Potassium	2000	1000	50	16	ug/L			1	6020/DOD
Selenium	0.50	5.0	0.50	0.20	ug/L	U		1	6020/DOD
Silver	0.25	1.0	0.25	0.080	ug/L	U		1	6020/DOD
Sodium	4100	1000	400	160	ug/L			1	6020/DOD
Thallium	1.0	2.0	1.0	0.32	ug/L	U		1	6020/DOD
Vanadium	0.55	5.0	1.5	0.51	ug/L	J		1	6020/DOD
Zinc	20	40	20	8.8	ug/L	U		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 068SW-0015-0001-SW
Lab Sample ID: 240-17477-3
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG ID.:
Matrix: Water
Date Sampled: 11/08/2012 13:40
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.20	0.20	0.20	0.12	ug/L	U		1	7470A/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 068SW-0015-0001-SW
Lab Sample ID: 240-17477-3
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG ID.:
Matrix: Water
Date Sampled: 11/08/2012 13:40
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	38	60	60	20	ug/L	J		1	6020/DOD
Antimony	0.50	2.0	0.50	0.21	ug/L	U		1	6020/DOD
Arsenic	1.0	5.0	1.0	0.44	ug/L	U		1	6020/DOD
Barium	27	5.0	4.0	1.6	ug/L			1	6020/DOD
Beryllium	0.50	1.0	0.50	0.50	ug/L	U		1	6020/DOD
Cadmium	0.40	2.0	0.40	0.40	ug/L	U		1	6020/DOD
Calcium	32000	2000	1000	540	ug/L			1	6020/DOD
Chromium	1.5	2.0	1.5	0.53	ug/L	U		1	6020/DOD
Cobalt	0.20	1.0	0.20	0.20	ug/L	U		1	6020/DOD
Copper	4.0	4.0	4.0	1.4	ug/L	U		1	6020/DOD
Iron	620	150	100	44	ug/L			1	6020/DOD
Lead	0.50	1.0	0.50	0.20	ug/L	U		1	6020/DOD
Magnesium	8900	1000	300	120	ug/L			1	6020/DOD
Manganese	190	5.0	3.0	1.1	ug/L			1	6020/DOD
Nickel	1.5	5.0	1.5	0.62	ug/L	U		1	6020/DOD
Potassium	1800	1000	50	16	ug/L			1	6020/DOD
Selenium	0.50	5.0	0.50	0.20	ug/L	U		1	6020/DOD
Silver	0.25	1.0	0.25	0.080	ug/L	U		1	6020/DOD
Sodium	4200	1000	400	160	ug/L			1	6020/DOD
Thallium	1.0	2.0	1.0	0.32	ug/L	U		1	6020/DOD
Vanadium	1.5	5.0	1.5	0.51	ug/L	U		1	6020/DOD
Zinc	20	40	20	8.8	ug/L	U		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 068SW-0016-0001-SW
Lab Sample ID: 240-17477-4
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG ID.:
Matrix: Water
Date Sampled: 11/08/2012 13:25
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.20	0.20	0.20	0.12	ug/L	U		1	7470A/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 068SW-0016-0001-SW
Lab Sample ID: 240-17477-4
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG ID.:
Matrix: Water
Date Sampled: 11/08/2012 13:25
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	320	60	60	20	ug/L			1	6020/DOD
Antimony	1.0	2.0	0.50	0.21	ug/L	J		1	6020/DOD
Arsenic	0.78	5.0	1.0	0.44	ug/L	J		1	6020/DOD
Barium	34	5.0	4.0	1.6	ug/L			1	6020/DOD
Beryllium	0.50	1.0	0.50	0.50	ug/L	U		1	6020/DOD
Cadmium	0.40	2.0	0.40	0.40	ug/L	U		1	6020/DOD
Calcium	31000	2000	1000	540	ug/L			1	6020/DOD
Chromium	1.5	2.0	1.5	0.53	ug/L	U		1	6020/DOD
Cobalt	0.31	1.0	0.20	0.20	ug/L	J		1	6020/DOD
Copper	1.6	4.0	4.0	1.4	ug/L	J		1	6020/DOD
Iron	1300	150	100	44	ug/L			1	6020/DOD
Lead	0.59	1.0	0.50	0.20	ug/L	J		1	6020/DOD
Magnesium	8300	1000	300	120	ug/L			1	6020/DOD
Manganese	330	5.0	3.0	1.1	ug/L			1	6020/DOD
Nickel	0.90	5.0	1.5	0.62	ug/L	J		1	6020/DOD
Potassium	1900	1000	50	16	ug/L			1	6020/DOD
Selenium	0.50	5.0	0.50	0.20	ug/L	U		1	6020/DOD
Silver	0.093	1.0	0.25	0.080	ug/L	J		1	6020/DOD
Sodium	3900	1000	400	160	ug/L			1	6020/DOD
Thallium	0.43	2.0	1.0	0.32	ug/L	J		1	6020/DOD
Vanadium	0.72	5.0	1.5	0.51	ug/L	J		1	6020/DOD
Zinc	12	40	20	8.8	ug/L	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0003M-0001-SO
Lab Sample ID: 240-17477-5
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/09/2012 12:10
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	7800	9.6	3.8	2.4	mg/Kg			1	6020/DOD
Antimony	0.71	0.19	0.14	0.060	mg/Kg			1	6020/DOD
Arsenic	37	0.48	0.14	0.050	mg/Kg			1	6020/DOD
Barium	63	0.48	0.29	0.13	mg/Kg			1	6020/DOD
Beryllium	0.65	0.096	0.0096	0.0034	mg/Kg			1	6020/DOD
Cadmium	0.13	0.19	0.0096	0.0030	mg/Kg	J		1	6020/DOD
Calcium	9800	190	96	39	mg/Kg			1	6020/DOD
Chromium	26	0.48	0.43	0.15	mg/Kg			1	6020/DOD
Cobalt	14	0.096	0.014	0.0043	mg/Kg			1	6020/DOD
Copper	16	0.38	0.29	0.11	mg/Kg			1	6020/DOD
Iron	21000	48	29	10	mg/Kg			1	6020/DOD
Lead	24	0.29	0.19	0.068	mg/Kg			1	6020/DOD
Magnesium	3300	96	24	8.6	mg/Kg			1	6020/DOD
Manganese	720	0.48	0.38	0.15	mg/Kg			1	6020/DOD
Nickel	33	0.48	0.24	0.083	mg/Kg			1	6020/DOD
Potassium	920	96	9.6	3.6	mg/Kg			1	6020/DOD
Selenium	0.53	0.48	0.058	0.020	mg/Kg			1	6020/DOD
Silver	0.20	0.096	0.048	0.015	mg/Kg			1	6020/DOD
Sodium	66	96	38	13	mg/Kg	J		1	6020/DOD
Thallium	0.084	0.19	0.14	0.054	mg/Kg	J		1	6020/DOD
Vanadium	14	0.48	0.096	0.042	mg/Kg			1	6020/DOD
Zinc	57	3.8	1.9	0.96	mg/Kg			1	6020/DOD
Hg	0.062	0.097	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0004M-0001-SO
Lab Sample ID: 240-17477-6
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/09/2012 11:10
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	7700	7.9	3.2	2.0	mg/Kg			1	6020/DOD
Antimony	0.23	0.16	0.12	0.049	mg/Kg		J	1	6020/DOD
Arsenic	21	0.40	0.12	0.041	mg/Kg			1	6020/DOD
Barium	60	0.40	0.24	0.10	mg/Kg			1	6020/DOD
Beryllium	0.53	0.079	0.0079	0.0028	mg/Kg			1	6020/DOD
Cadmium	0.087	0.16	0.0079	0.0025	mg/Kg	J		1	6020/DOD
Calcium	5500	160	79	32	mg/Kg		J	1	6020/DOD
Chromium	20	0.40	0.36	0.13	mg/Kg			1	6020/DOD
Cobalt	8.4	0.079	0.012	0.0036	mg/Kg			1	6020/DOD
Copper	11	0.32	0.24	0.087	mg/Kg			1	6020/DOD
Iron	19000	40	24	8.7	mg/Kg		J	1	6020/DOD
Lead	14	0.24	0.16	0.056	mg/Kg			1	6020/DOD
Magnesium	2700	79	20	7.1	mg/Kg		J	1	6020/DOD
Manganese	530	0.40	0.32	0.13	mg/Kg		J	1	6020/DOD
Nickel	23	0.40	0.20	0.069	mg/Kg			1	6020/DOD
Potassium	870	79	7.9	3.0	mg/Kg			1	6020/DOD
Selenium	0.46	0.40	0.048	0.016	mg/Kg			1	6020/DOD
Silver	0.053	0.079	0.040	0.013	mg/Kg	J		1	6020/DOD
Sodium	52	79	32	11	mg/Kg	J		1	6020/DOD
Thallium	0.13	0.16	0.12	0.045	mg/Kg	J		1	6020/DOD
Vanadium	14	0.40	0.079	0.034	mg/Kg			1	6020/DOD
Zinc	44	3.2	1.6	0.79	mg/Kg			1	6020/DOD
Hg	0.058	0.098	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0005M-0001-SO
Lab Sample ID: 240-17477-7
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/09/2012 11:10
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	6500	8.5	3.4	2.1	mg/Kg			1	6020/DOD
Antimony	0.21	0.17	0.13	0.053	mg/Kg			1	6020/DOD
Arsenic	22	0.42	0.13	0.044	mg/Kg			1	6020/DOD
Barium	44	0.42	0.25	0.11	mg/Kg			1	6020/DOD
Beryllium	0.43	0.085	0.0085	0.0030	mg/Kg			1	6020/DOD
Cadmium	0.081	0.17	0.0085	0.0026	mg/Kg	J		1	6020/DOD
Calcium	3600	170	85	34	mg/Kg			1	6020/DOD
Chromium	14	0.42	0.38	0.14	mg/Kg			1	6020/DOD
Cobalt	8.3	0.085	0.013	0.0038	mg/Kg			1	6020/DOD
Copper	10	0.34	0.25	0.093	mg/Kg			1	6020/DOD
Iron	19000	42	25	9.2	mg/Kg			1	6020/DOD
Lead	13	0.25	0.17	0.060	mg/Kg			1	6020/DOD
Magnesium	2300	85	21	7.5	mg/Kg			1	6020/DOD
Manganese	440	0.42	0.34	0.14	mg/Kg			1	6020/DOD
Nickel	21	0.42	0.21	0.073	mg/Kg			1	6020/DOD
Potassium	730	85	8.5	3.2	mg/Kg			1	6020/DOD
Selenium	0.40	0.42	0.051	0.018	mg/Kg	J		1	6020/DOD
Silver	0.064	0.085	0.042	0.014	mg/Kg	J		1	6020/DOD
Sodium	37	85	34	12	mg/Kg	J		1	6020/DOD
Thallium	0.13	0.17	0.13	0.048	mg/Kg	J		1	6020/DOD
Vanadium	13	0.42	0.085	0.037	mg/Kg			1	6020/DOD
Zinc	43	3.4	1.7	0.85	mg/Kg			1	6020/DOD
Hg	0.049	0.090	0.030	0.013	mg/Kg	J		1	7471/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICV Source: MTMSICVW_00017 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00053

Analyte	ICV 240-66205/5 11/23/2012 09:52				CCV 240-66205/58 11/23/2012 14:48				CCV 240-66205/70 11/23/2012 15:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	414		400	103	517		500	103	521		500	104
Antimony	82.5		80.0	103	104		100	104	106		100	106
Arsenic	79.8		80.0	100	98.9		100	99	98.4		100	98
Barium	80.3		80.0	100	101		100	101	101		100	101
Beryllium	82.5		80.0	103	102		100	102	101		100	101
Cadmium	83.4		80.0	104	107		100	107	106		100	106
Calcium	40000		40000	100	48700		50000	97	48300		50000	97
Chromium	80.2		80.0	100	99.8		100	100	98.3		100	98
Cobalt	79.9		80.0	100	99.4		100	99	97.8		100	98
Copper	82.3		80.0	103	101		100	101	99.4		100	99
Iron	20300		20000	101	26300		25000	105	26300		25000	105
Lead	80.4		80.0	101	105		100	105	105		100	105
Magnesium	41300		40000	103	52200		50000	104	52000		50000	104
Manganese	405		400	101	499		500	100	490		500	98
Nickel	81.0		80.0	101	99.0		100	99	99.0		100	99
Potassium	40000		40000	100	51900		50000	104	52300		50000	105
Selenium	82.2		80.0	103	102		100	102	101		100	101
Silver	83.7		80.0	105	105		100	105	104		100	104
Sodium	40900		40000	102	52000		50000	104	51700		50000	103
Thallium	84.4		80.0	105	104		100	104	103		100	103
Vanadium	79.5		80.0	99	99.0		100	99	97.1		100	97
Zinc	86.5		80.0	108	104		100	104	103		100	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICV Source: MTMSICVW_00017 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00053

Analyte	CCV 240-66205/82 11/23/2012 17:00				CCV 240-66205/94 11/23/2012 18:04				CCV 240-66205/99 11/23/2012 18:33			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	520		500	104	525		500	105	527		500	105
Antimony	104		100	104	106		100	106	104		100	104
Arsenic	98.7		100	99	98.6		100	99	98.3		100	98
Barium	102		100	102	103		100	103	102		100	102
Beryllium	104		100	104	103		100	103	103		100	103
Cadmium	106		100	106	108		100	108	107		100	107
Calcium	48400		50000	97	48400		50000	97	48200		50000	96
Chromium	98.3		100	98	99.4		100	99	97.1		100	97
Cobalt	98.1		100	98	97.6		100	98	97.3		100	97
Copper	99.5		100	99	99.6		100	100	97.8		100	98
Iron	26200		25000	105	26400		25000	106	26100		25000	104
Lead	106		100	106	106		100	106	106		100	106
Magnesium	51400		50000	103	52300		50000	105	51600		50000	103
Manganese	501		500	100	500		500	100	497		500	99
Nickel	98.3		100	98	98.6		100	99	97.0		100	97
Potassium	52100		50000	104	53200		50000	106	52300		50000	105
Selenium	100		100	100	101		100	101	100		100	100
Silver	105		100	105	106		100	106	105		100	105
Sodium	51400		50000	103	51800		50000	104	51200		50000	102
Thallium	103		100	103	104		100	104	103		100	103
Vanadium	97.7		100	98	98.3		100	98	97.3		100	97
Zinc	103		100	103	104		100	104	103		100	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICV Source: MTMSICVW_00017 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00054

Analyte	ICV 240-68088/5 12/10/2012 09:08				CCV 240-68088/20 12/10/2012 10:42				CCV 240-68088/32 12/10/2012 11:55			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	399		400	100	530		500	106	549		500	110
Antimony	82.1		80.0	103	101		100	101	102		100	102
Arsenic	81.0		80.0	101	102		100	102	102		100	102
Barium	80.5		80.0	101	101		100	101	101		100	101
Beryllium	81.9		80.0	102	101		100	101	98.9		100	99
Cadmium	83.0		80.0	104	104		100	104	104		100	104
Calcium	40500		40000	101	51000		50000	102	50900		50000	102
Chromium	81.5		80.0	102	102		100	102	102		100	102
Cobalt	81.0		80.0	101	103		100	103	102		100	102
Copper	83.4		80.0	104	105		100	105	104		100	104
Iron	20300		20000	102	25600		25000	102	26000		25000	104
Lead	83.8		80.0	105	105		100	105	105		100	105
Magnesium	40600		40000	101	51300		50000	103	52000		50000	104
Manganese	413		400	103	517		500	103	515		500	103
Nickel	82.4		80.0	103	104		100	104	103		100	103
Potassium	40300		40000	101	50500		50000	101	51100		50000	102
Selenium	81.0		80.0	101	101		100	101	101		100	101
Silver	83.4		80.0	104	104		100	104	105		100	105
Sodium	40600		40000	102	51600		50000	103	52100		50000	104
Thallium	82.3		80.0	103	104		100	104	103		100	103
Vanadium	80.0		80.0	100	99.9		100	100	101		100	101
Zinc	84.8		80.0	106	105		100	105	104		100	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICV Source: MTMSICVW_00017 Concentration Units: ug/L

CCV Source: MTMSCAL2CCVW_00054

Analyte	CCV 240-68088/39 12/10/2012 12:34											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	513		500	103								
Antimony	103		100	103								
Arsenic	102		100	102								
Barium	102		100	102								
Beryllium	99.5		100	99								
Cadmium	105		100	105								
Calcium	50800		50000	102								
Chromium	101		100	101								
Cobalt	102		100	102								
Copper	104		100	104								
Iron	26100		25000	104								
Lead	107		100	107								
Magnesium	52300		50000	105								
Manganese	513		500	103								
Nickel	104		100	104								
Potassium	52100		50000	104								
Selenium	102		100	102								
Silver	105		100	105								
Sodium	51600		50000	103								
Thallium	102		100	102								
Vanadium	99.8		100	100								
Zinc	105		100	105								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICV Source: MTHGICVW_00428 Concentration Units: ug/L

CCV Source: MTHGCALW_00280

Analyte	ICV 240-65225/7-A 11/16/2012 09:12				CCV 240-65225/10-A 11/16/2012 18:44				CCV 240-65225/10-A 11/16/2012 19:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	2.38		2.50	95	5.05		5.00	101	5.03		5.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICV Source: MTHGICVW_00428 Concentration Units: ug/L

CCV Source: MTHGCALW_00280

Analyte	CCV 240-65225/10-A 11/16/2012 19:36				CCV 240-65225/10-A 11/16/2012 19:51							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	5.05		5.00	101	5.05		5.00	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICV Source: MTHGICVW_00435 Concentration Units: ug/L

CCV Source: MTHGCALW_00283

Analyte	ICV 240-66340/7-A 11/27/2012 10:32				CCVL 240-66340/10-A 11/27/2012 11:33				CCV 240-66340/11-A 11/27/2012 15:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.38		2.50	95	4.99		5.00	100	5.14		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICV Source: MTHGICVW_00435 Concentration Units: ug/L

CCV Source: MTHGCALW_00283

Analyte	CCV 240-66340/11-A 11/27/2012 15:52				CCV 240-66340/11-A 11/27/2012 16:21				CCV 240-66340/11-A 11/27/2012 16:50			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.17		5.00	103	5.13		5.00	103	5.12		5.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Method: 6020/DOD Instrument ID: I8

Lab Sample ID: CRI 240-66205/7 Concentration Units: ug/L

CRQL Check Standard Source: MTMSCRIW_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	50.0	53.7	J	107	70-130
Antimony	2.00	2.04		102	70-130
Arsenic	2.00	2.02	J	101	70-130
Barium	1.00	3.0	U	114	70-130
Beryllium	1.00	0.986	J	99	70-130
Cadmium	0.500	0.507	J	101	70-130
Calcium	1000	990	J	99	70-130
Chromium	2.00	1.95	J	98	70-130
Cobalt	1.00	1.02		102	70-130
Copper	2.00	2.23	J	112	70-130
Iron	50.0	57.4	J	115	70-130
Lead	1.00	0.974	J	97	70-130
Magnesium	1000	1050		105	70-130
Manganese	1.00	3.0	U	107	70-130
Nickel	2.00	2.08	J	104	70-130
Potassium	1000	1030		103	70-130
Selenium	2.00	2.03	J	101	70-130
Silver	0.500	0.551	J	110	70-130
Sodium	1000	1070		107	70-130
Thallium	1.00	1.21	J	121	70-130
Vanadium	5.00	5.00		100	70-130
Zinc	10.0	10.7	J	107	70-130

Lab Sample ID: CRI 240-66205/101 Concentration Units: ug/L

CRQL Check Standard Source: MTMSCRIW_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	50.0	53.2	J	106	70-130
Antimony	2.00	2.16		108	70-130
Arsenic	2.00	2.03	J	101	70-130
Barium	1.00	3.0	U	103	70-130
Beryllium	1.00	1.11		111	70-130
Cadmium	0.500	0.577	J	115	70-130
Calcium	1000	967	J	97	70-130
Chromium	2.00	1.85	J	93	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Method: 6020/DOD Instrument ID: I8

Lab Sample ID: CRI 240-66205/101 Concentration Units: ug/L

CRQL Check Standard Source: MTMSCRIW_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	1.00	1.01		101	70-130
Copper	2.00	2.27	J	113	70-130
Iron	50.0	70.5	J	141	70-130
Lead	1.00	1.09		109	70-130
Magnesium	1000	1100		110	70-130
Manganese	1.00	1.28	J	128	70-130
Nickel	2.00	1.98	J	99	70-130
Potassium	1000	1080		108	70-130
Selenium	2.00	2.09	J	105	70-130
Silver	0.500	0.588	J	118	70-130
Sodium	1000	1080		108	70-130
Thallium	1.00	1.20	J	120	70-130
Vanadium	5.00	4.77	J	95	70-130
Zinc	10.0	11.1	J	111	70-130

Lab Sample ID: CRI 240-68088/7 Concentration Units: ug/L

CRQL Check Standard Source: MTMSCRIW_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	50.0	47.9	J	96	70-130
Antimony	2.00	2.06		103	70-130
Arsenic	2.00	1.90	J	95	70-130
Barium	1.00	3.0	U	108	70-130
Beryllium	1.00	1.08		108	70-130
Cadmium	0.500	0.517	J	103	70-130
Calcium	1000	1000	J	100	70-130
Chromium	2.00	2.04		102	70-130
Cobalt	1.00	1.05		105	70-130
Copper	2.00	2.31	J	116	70-130
Iron	50.0	60.6	J	121	70-130
Lead	1.00	1.13		113	70-130
Magnesium	1000	1100		110	70-130
Manganese	1.00	1.17	J	117	70-130
Nickel	2.00	2.05	J	103	70-130
Potassium	1000	1010		101	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Method: 6020/DOD Instrument ID: I8

Lab Sample ID: CRI 240-68088/7 Concentration Units: ug/L

CRQL Check Standard Source: MTMSCRIW_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	2.00	1.94	J	97	70-130
Silver	0.500	0.602	J	120	70-130
Sodium	1000	1010		101	70-130
Thallium	1.00	1.19	J	119	70-130
Vanadium	5.00	5.01		100	70-130
Zinc	10.0	11.0	J	110	70-130

Lab Sample ID: CRI 240-68088/42 Concentration Units: ug/L

CRQL Check Standard Source: MTMSCRIW_00028

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	50.0	47.3	J	95	70-130
Antimony	2.00	2.09		104	70-130
Arsenic	2.00	1.96	J	98	70-130
Barium	1.00	3.0	U	101	70-130
Beryllium	1.00	1.02		102	70-130
Cadmium	0.500	0.517	J	103	70-130
Calcium	1000	990	J	99	70-130
Chromium	2.00	2.02		101	70-130
Cobalt	1.00	1.07		107	70-130
Copper	2.00	2.22	J	111	70-130
Iron	50.0	59.2	J	118	70-130
Lead	1.00	1.12		112	70-130
Magnesium	1000	1080		108	70-130
Manganese	1.00	1.11	J	111	70-130
Nickel	2.00	2.08	J	104	70-130
Potassium	1000	1030		103	70-130
Selenium	2.00	1.92	J	96	70-130
Silver	0.500	0.574	J	115	70-130
Sodium	1000	1010		101	70-130
Thallium	1.00	1.12	J	112	70-130
Vanadium	5.00	4.84	J	97	70-130
Zinc	10.0	10.6	J	106	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Method: 7470A/DOD Instrument ID: H1

Lab Sample ID: CRA 240-66340/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00283

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.166	J	83	

Lab Sample ID: CRA 240-66340/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00283

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.144	J	72	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Method: 7471/DOD Instrument ID: H1

Lab Sample ID: CRA 240-65225/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00280

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.200	0.209		105	

Lab Sample ID: CRA 240-65225/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00280

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.200	0.208		104	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-66205/6 11/23/2012 09:59		CCB 240-66205/59 11/23/2012 14:55		CCB 240-66205/71 11/23/2012 16:04		CCB 240-66205/83 11/23/2012 17:08	
		Found	C	Found	C	Found	C	Found	C
Aluminum	60	40	U	40	U	40	U	40	U
Antimony	2.0	0.50	U	0.50	U	0.342	J	0.50	U
Arsenic	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Barium	5.0	3.0	U	3.0	U	3.0	U	3.0	U
Beryllium	1.0	0.10	U	0.0500	J	0.0670	J	0.0660	J
Cadmium	2.0	0.070	U	0.0270	J	0.0470	J	0.0380	J
Calcium	2000	1000	U	1000	U	1000	U	1000	U
Chromium	2.0	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	1.0	0.090	U	0.0380	J	0.0430	J	0.0420	J
Copper	4.0	3.0	U	3.0	U	3.0	U	3.0	U
Iron	150	100	U	100	U	100	U	100	U
Lead	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Magnesium	1000	250	U	250	U	250	U	250	U
Manganese	5.0	3.0	U	3.0	U	3.0	U	3.0	U
Nickel	5.0	1.5	U	1.5	U	1.5	U	1.5	U
Potassium	1000	50	U	20.8	J	27.8	J	28.3	J
Selenium	5.0	0.50	U	0.50	U	0.50	U	0.50	U
Silver	1.0	0.25	U	0.25	U	0.25	U	0.25	U
Sodium	1000	400	U	400	U	400	U	400	U
Thallium	2.0	0.350	J	0.346	J	0.448	J	0.396	J
Vanadium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Zinc	40	20	U	20	U	20	U	20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-66205/95 11/23/2012 18:11		CCB 240-66205/100 11/23/2012 18:41					
		Found	C	Found	C	Found	C	Found	C
Aluminum	60	40	U	40	U				
Antimony	2.0	0.50	U	0.50	U				
Arsenic	5.0	1.0	U	1.0	U				
Barium	5.0	3.0	U	3.0	U				
Beryllium	1.0	0.0680	J	0.0720	J				
Cadmium	2.0	0.0580	J	0.0740	J				
Calcium	2000	1000	U	1000	U				
Chromium	2.0	1.5	U	1.5	U				
Cobalt	1.0	0.0680	J	0.0810	J				
Copper	4.0	3.0	U	3.0	U				
Iron	150	100	U	51.9	J				
Lead	1.0	0.50	U	0.50	U				
Magnesium	1000	250	U	250	U				
Manganese	5.0	3.0	U	3.0	U				
Nickel	5.0	1.5	U	1.5	U				
Potassium	1000	30.4	J	33.7	J				
Selenium	5.0	0.50	U	0.50	U				
Silver	1.0	0.25	U	0.25	U				
Sodium	1000	400	U	400	U				
Thallium	2.0	0.344	J	0.397	J				
Vanadium	5.0	1.0	U	1.0	U				
Zinc	40	20	U	20	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-68088/6 12/10/2012 09:15		CCB 240-68088/21 12/10/2012 10:49		CCB 240-68088/33 12/10/2012 12:02		CCB 240-68088/40 12/10/2012 12:41	
		Found	C	Found	C	Found	C	Found	C
Aluminum	60	40	U	40	U	40	U	40	U
Antimony	2.0	0.50	U	0.50	U	0.298	J	0.50	U
Arsenic	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Barium	5.0	3.0	U	3.0	U	3.0	U	3.0	U
Beryllium	1.0	0.0450	J	0.0810	J	0.101	J	0.140	J
Cadmium	2.0	0.0380	J	0.0820	J	0.140	J	0.131	J
Calcium	2000	1000	U	1000	U	1000	U	1000	U
Chromium	2.0	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	1.0	0.0400	J	0.123	J	0.162	J	0.162	J
Copper	4.0	3.0	U	3.0	U	3.0	U	3.0	U
Iron	150	100	U	100	U	100	U	100	U
Lead	1.0	0.272	J	0.353	J	0.395	J	0.394	J
Magnesium	1000	250	U	250	U	250	U	250	U
Manganese	5.0	3.0	U	3.0	U	3.0	U	3.0	U
Nickel	5.0	1.5	U	1.5	U	1.5	U	1.5	U
Potassium	1000	50	U	23.4	J	30.6	J	39.5	J
Selenium	5.0	0.50	U	0.50	U	0.229	J	0.50	U
Silver	1.0	0.25	U	0.25	U	0.0820	J	0.0820	J
Sodium	1000	400	U	400	U	400	U	400	U
Thallium	2.0	0.419	J	0.614	J	0.657	J	0.534	J
Vanadium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Zinc	40	20	U	20	U	20	U	20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-65225/8-A 11/16/2012 09:14		CCB 240-65225/11-A 11/16/2012 18:45		CCB 240-65225/11-A 11/16/2012 19:03		CCB 240-65225/11-A 11/16/2012 19:38	
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-65225/11-A 11/16/2012 19:52							
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-66340/8-A 11/27/2012 10:34		CCB 240-66340/12-A 11/27/2012 15:27		CCB 240-66340/12-A 11/27/2012 15:55		CCB 240-66340/12-A 11/27/2012 16:23	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-66340/12-A 11/27/2012 16:52							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-65198/1-A

Instrument Code: I8 Batch No.: 66205

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	4.0	U		6020_DoD
7440-36-0	Antimony	0.15	U		6020_DoD
7440-38-2	Arsenic	0.15	U		6020_DoD
7440-39-3	Barium	0.30	U		6020_DoD
7440-41-7	Beryllium	0.010	U		6020_DoD
7440-43-9	Cadmium	0.010	U		6020_DoD
7440-70-2	Calcium	100	U		6020_DoD
7440-47-3	Chromium	0.45	U		6020_DoD
7440-48-4	Cobalt	0.015	U		6020_DoD
7440-50-8	Copper	0.30	U		6020_DoD
7439-89-6	Iron	30	U		6020_DoD
7439-92-1	Lead	0.20	U		6020_DoD
7439-95-4	Magnesium	25	U		6020_DoD
7439-96-5	Manganese	0.40	U		6020_DoD
7440-02-0	Nickel	0.25	U		6020_DoD
7440-09-7	Potassium	4.92	J		6020_DoD
7782-49-2	Selenium	0.060	U		6020_DoD
7440-22-4	Silver	0.050	U		6020_DoD
7440-23-5	Sodium	40	U		6020_DoD
7440-28-0	Thallium	0.15	U		6020_DoD
7440-62-2	Vanadium	0.10	U		6020_DoD
7440-66-6	Zinc	2.0	U		6020_DoD

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 240-65311/1-A

Instrument Code: I8 Batch No.: 68088

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	60	U		6020_DoD
7440-36-0	Antimony	0.50	U		6020_DoD
7440-38-2	Arsenic	1.0	U		6020_DoD
7440-39-3	Barium	4.0	U		6020_DoD
7440-41-7	Beryllium	0.50	U		6020_DoD
7440-43-9	Cadmium	0.40	U		6020_DoD
7440-70-2	Calcium	1000	U		6020_DoD
7440-47-3	Chromium	1.5	U		6020_DoD
7440-48-4	Cobalt	0.20	U		6020_DoD
7440-50-8	Copper	4.0	U		6020_DoD
7439-89-6	Iron	100	U		6020_DoD
7439-92-1	Lead	0.50	U		6020_DoD
7439-95-4	Magnesium	300	U		6020_DoD
7439-96-5	Manganese	3.0	U		6020_DoD
7440-02-0	Nickel	1.5	U		6020_DoD
7440-09-7	Potassium	20.7	J		6020_DoD
7782-49-2	Selenium	0.50	U		6020_DoD
7440-22-4	Silver	0.25	U		6020_DoD
7440-23-5	Sodium	400	U		6020_DoD
7440-28-0	Thallium	0.348	J		6020_DoD
7440-62-2	Vanadium	1.5	U		6020_DoD
7440-66-6	Zinc	10.4	J		6020_DoD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 240-66219/1-A

Instrument Code: H1 Batch No.: 66485

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470_DOD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-65204/1-A

Instrument Code: H1 Batch No.: 65450

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Hg	0.0276	J		7471_DOD

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICSA 240-66205/8 Instrument ID: I8

Lab File ID: I8112312A.csv ICS Source: MTMSICSAW_00020

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**50000**	**50100**	**100**
Antimony		**0.195**	
Arsenic		**0.353**	
Barium		**0.0430**	
Beryllium		**0.0070**	
Cadmium		**-0.0790**	
Calcium	**50000**	**50380**	**101**
Chromium		**0.513**	
Cobalt		**0.0890**	
Copper		**0.321**	
Iron	**50000**	**50610**	**101**
Lead		**0.167**	
Magnesium	**50000**	**51640**	**103**
Manganese		**0.0820**	
Nickel		**0.345**	
Potassium	**50000**	**50000**	**100**
Selenium		**-0.0360**	
Silver		**0.0270**	
Sodium	**50000**	**51410**	**103**
Thallium		**0.189**	
Vanadium		**-0.0340**	
Zinc		**0.870**	
Boron		*0.418*	
Molybdenum	*1000*	*986*	*99*
Strontium		*0.167*	
Tin		*0.0560*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICSAB 240-66205/9 Instrument ID: I8

Lab File ID: I8112312A.csv ICS Source: MTMSICSABW_00019

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**50000**	**50540**	**101**
Antimony	**100**	**100**	**100**
Arsenic	**100**	**97.9**	**98**
Barium	**100**	**102**	**102**
Beryllium	**100**	**103**	**103**
Cadmium	**100**	**102**	**102**
Calcium	**50000**	**50300**	**101**
Chromium	**100**	**101**	**101**
Cobalt	**100**	**99.6**	**100**
Copper	**100**	**99.0**	**99**
Iron	**50000**	**50840**	**102**
Lead	**100**	**100**	**100**
Magnesium	**50000**	**52270**	**105**
Manganese	**100**	**107**	**107**
Nickel	**100**	**99.7**	**100**
Potassium	**50000**	**50040**	**100**
Selenium	**100**	**100**	**100**
Silver	**100**	**102**	**102**
Sodium	**50000**	**51700**	**103**
Thallium	**100**	**105**	**105**
Vanadium	**100**	**101**	**101**
Zinc	**100**	**104**	**104**
Boron	*100*	*99.3*	*99*
Molybdenum	*1100*	*1093*	*99*
Strontium	*100*	*97.0*	*97*
Tin	*100*	*102*	*102*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICSA 240-68088/8 Instrument ID: I8

Lab File ID: I8121012A.csv ICS Source: MTMSICSAW_00020

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**50000**	**49820**	**100**
Antimony		**0.170**	
Arsenic		**0.131**	
Barium		**0.0290**	
Beryllium		**0.0020**	
Cadmium		**-0.0220**	
Calcium	**50000**	**51120**	**102**
Chromium		**0.562**	
Cobalt		**0.0400**	
Copper		**0.202**	
Iron	**50000**	**50240**	**100**
Lead		**0.155**	
Magnesium	**50000**	**50070**	**100**
Manganese		**0.0680**	
Nickel		**0.309**	
Potassium	**50000**	**50330**	**101**
Selenium		**-0.0310**	
Silver		**0.0400**	
Sodium	**50000**	**50500**	**101**
Thallium		**0.168**	
Vanadium		**0.0670**	
Zinc		**0.849**	
Boron		*-4.10*	
Molybdenum	*1000*	*1003*	*100*
Strontium		*0.0990*	
Tin		*0.0860*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Lab Sample ID: ICSAB 240-68088/9 Instrument ID: I8

Lab File ID: I8121012A.csv ICS Source: MTMSICSABW_00019

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**50000**	**49930**	**100**
Antimony	**100**	**102**	**102**
Arsenic	**100**	**100**	**100**
Barium	**100**	**103**	**103**
Beryllium	**100**	**101**	**101**
Cadmium	**100**	**103**	**103**
Calcium	**50000**	**51260**	**103**
Chromium	**100**	**102**	**102**
Cobalt	**100**	**101**	**101**
Copper	**100**	**103**	**103**
Iron	**50000**	**50950**	**102**
Lead	**100**	**106**	**106**
Magnesium	**50000**	**50110**	**100**
Manganese	**100**	**100**	**100**
Nickel	**100**	**103**	**103**
Potassium	**50000**	**51050**	**102**
Selenium	**100**	**100**	**100**
Silver	**100**	**103**	**103**
Sodium	**50000**	**50500**	**101**
Thallium	**100**	**103**	**103**
Vanadium	**100**	**99.3**	**99**
Zinc	**100**	**105**	**105**
Boron	*100*	*92.9*	*93*
Molybdenum	*1100*	*1122*	*102*
Strontium	*100*	*97.0*	*97*
Tin	*100*	*102*	*102*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 068SW-0016-0001-SW MS Lab ID: 240-17477-4 MS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.972		0.20	U	1.00	97	80-120		7470A/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: 068SW-0016-0001-SW MS Lab ID: 240-17477-4 MS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10400		320		10000	101	63-128		6020/DOD
Antimony	98.3		1.0	J	100	97	44-153		6020/DOD
Arsenic	98.4		0.78	J	100	98	82-123		6020/DOD
Barium	132		34		100	97	45-144		6020/DOD
Beryllium	98.0		0.50	U	100	98	77-124		6020/DOD
Cadmium	102		0.40	U	100	102	78-117		6020/DOD
Calcium	42900		31000		10000	115	70-130		6020/DOD
Chromium	98.6		1.5	U	100	99	72-110		6020/DOD
Cobalt	98.3		0.31	J	100	98	67-114		6020/DOD
Copper	101		1.6	J	100	100	60-123		6020/DOD
Iron	11300		1300		10000	100	22-169		6020/DOD
Lead	105		0.59	J	100	105	73-115		6020/DOD
Magnesium	19400		8300		10000	110	70-130		6020/DOD
Manganese	445		330		100	116	10-172		6020/DOD
Nickel	101		0.90	J	100	100	72-111		6020/DOD
Potassium	12200		1900		10000	104	70-130		6020/DOD
Selenium	97.8		0.50	U	100	98	72-148		6020/DOD
Silver	103		0.093	J	100	103	10-139		6020/DOD
Sodium	14100		3900		10000	102	80-120		6020/DOD
Thallium	97.2		0.43	J	100	97	69-117		6020/DOD
Vanadium	96.3		0.72	J	100	96	70-112		6020/DOD
Zinc	105		12	J	100	93	49-156		6020/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 079SS-0004M-0001-SO MS
Lab ID: 240-17477-6 MS
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	8450		7700		794	91	70-130	4	6020/DOD
Antimony	2.32		0.23		7.94	26	75-125	J	6020/DOD
Arsenic	24.8		21		7.94	47	23-131		6020/DOD
Barium	63.6		60		7.94	46	10-199	4	6020/DOD
Beryllium	7.26		0.53		7.94	85	58-112		6020/DOD
Cadmium	7.15		0.087	J	7.94	89	58-110		6020/DOD
Calcium	5890		5500		794	44	70-130	4	6020/DOD
Chromium	27.1		20		7.94	90	10-199		6020/DOD
Cobalt	15.7		8.4		7.94	92	55-110		6020/DOD
Copper	17.2		11		7.94	81	10-199		6020/DOD
Iron	21500		19000		794	329	70-130	4	6020/DOD
Lead	22.4		14		7.94	111	10-199		6020/DOD
Magnesium	3150		2700		794	58	70-130	J	6020/DOD
Manganese	579		530		7.94	599	10-199	4	6020/DOD
Nickel	29.7		23		7.94	80	10-176		6020/DOD
Potassium	1490		870		794	79	70-130		6020/DOD
Selenium	6.12		0.46		7.94	71	39-116		6020/DOD
Silver	7.38		0.053	J	7.94	92	75-125		6020/DOD
Sodium	793		52	J	794	93	70-130		6020/DOD
Thallium	7.35		0.13	J	7.94	91	82-110		6020/DOD
Vanadium	22.0		14		7.94	107	39-129		6020/DOD
Zinc	46.5		44		7.94	32	10-199	4	6020/DOD
Hg	0.191		0.058	J	0.164	82	80-120		7471/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

6-IN
DUPLICATES
METALS

Client ID: 068SW-0016-0001-SW DU Lab ID: 240-17477-4 DU

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

% Solids for Sample: % Solids for Duplicate:

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	0.20	U	0.20	U	NC		7470A/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS - TOTAL RECOVERABLE

Client ID: 068SW-0016-0001-SW DU
Lab ID: 240-17477-4 DU
Lab Name: TestAmerica Canton
Job No.: 240-17477-1
SDG No.:
% Solids for Sample:
% Solids for Duplicate:
Matrix: Water
Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	60	320		319		0.6		6020/DOD
Antimony	2.0	1.0	J	0.384	J	91		6020/DOD
Arsenic	5.0	0.78	J	0.734	J	6		6020/DOD
Barium	5.0	34		36.1		5		6020/DOD
Beryllium	1.0	0.50	U	0.50	U	NC		6020/DOD
Cadmium	2.0	0.40	U	0.40	U	NC		6020/DOD
Calcium	2000	31000		33800		7		6020/DOD
Chromium	2.0	1.5	U	1.5	U	NC		6020/DOD
Cobalt	1.0	0.31	J	0.233	J	27		6020/DOD
Copper	4.0	1.6	J	4.0	U	NC		6020/DOD
Iron	150	1300		1330		4		6020/DOD
Lead	1.0	0.59	J	0.383	J	42		6020/DOD
Magnesium	1000	8300		8890		7		6020/DOD
Manganese	5.0	330		355		8		6020/DOD
Nickel	5.0	0.90	J	0.794	J	13		6020/DOD
Potassium	1000	1900		2040		8		6020/DOD
Selenium	5.0	0.50	U	0.50	U	NC		6020/DOD
Silver	1.0	0.093	J	0.25	U	NC		6020/DOD
Sodium	1000	3900		4160		5		6020/DOD
Thallium	2.0	0.43	J	1.0	U	NC		6020/DOD
Vanadium	5.0	0.72	J	0.646	J	11		6020/DOD
Zinc	40	12	J	20	U	NC		6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: 079SS-0004M-0001-SO DU Lab ID: 240-17477-6 DU

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

% Solids for Sample: % Solids for Duplicate:

Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	7.9	7700		7570		2		6020/DOD
Antimony	0.16	0.23		0.245		8		6020/DOD
Arsenic	0.40	21		25.1		17		6020/DOD
Barium	0.40	60		57.2		5		6020/DOD
Beryllium	0.079	0.53		0.544		3		6020/DOD
Cadmium	0.16	0.087	J	0.0975	J	11		6020/DOD
Calcium	160	5500		6310		13		6020/DOD
Chromium	0.40	20		18.8		6		6020/DOD
Cobalt	0.079	8.4		9.53		13		6020/DOD
Copper	0.32	11		11.1		2		6020/DOD
Iron	40	19000		21000		10		6020/DOD
Lead	0.24	14		15.6		14		6020/DOD
Magnesium	79	2700		2650		2		6020/DOD
Manganese	0.40	530		626		16		6020/DOD
Nickel	0.40	23		23.4		0.4		6020/DOD
Potassium	79	870		775		11		6020/DOD
Selenium	0.40	0.46		0.443		4		6020/DOD
Silver	0.079	0.053	J	0.0563	J	6		6020/DOD
Sodium	79	52	J	49.1	J	6		6020/DOD
Thallium	0.16	0.13	J	0.153	J	16		6020/DOD
Vanadium	0.40	14		14.5		7		6020/DOD
Zinc	3.2	44		41.3		6		6020/DOD
Hg	0.098	0.058	J	0.0523	J	10		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-65198/2-A

Lab Name: TestAmerica Canton Job No.: 240-17477-1

Sample Matrix: Solid LCS Source: MTICPMS2_00009

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	1000	936		94	80	120		6020/DOD
Antimony	10.0	9.31		93	68	113		6020/DOD
Arsenic	100	86.3		86	73	110		6020/DOD
Barium	100	93.6		94	70	110		6020/DOD
Beryllium	100	93.4		93	79	110		6020/DOD
Cadmium	100	97.4		97	74	110		6020/DOD
Calcium	1000	902		90	80	120		6020/DOD
Chromium	100	93.0		93	70	110		6020/DOD
Cobalt	100	91.9		92	74	110		6020/DOD
Copper	100	94.5		95	73	110		6020/DOD
Iron	1000	984		98	80	120		6020/DOD
Lead	100	91.9		92	75	110		6020/DOD
Magnesium	1000	986		99	80	120		6020/DOD
Manganese	100	94.5		94	80	120		6020/DOD
Nickel	100	93.4		93	75	110		6020/DOD
Potassium	1000	966		97	80	120		6020/DOD
Selenium	100	85.5		85	65	110		6020/DOD
Silver	10.0	10.2		102	60	114		6020/DOD
Sodium	1000	994		99	80	120		6020/DOD
Thallium	25.0	22.3		89	71	110		6020/DOD
Vanadium	100	89.0		89	72	110		6020/DOD
Zinc	100	93.3		93	72	113		6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 240-65311/2-A

Lab Name: TestAmerica Canton Job No.: 240-17477-1

Sample Matrix: Water LCS Source: MTICPMS2_00009

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10000	9160		92	80	120		6020/DOD
Antimony	100	92.0		92	80	120		6020/DOD
Arsenic	1000	933		93	80	120		6020/DOD
Barium	1000	927		93	80	120		6020/DOD
Beryllium	1000	944		94	80	120		6020/DOD
Cadmium	1000	973		97	80	120		6020/DOD
Calcium	10000	9590		96	80	120		6020/DOD
Chromium	1000	948		95	80	120		6020/DOD
Cobalt	1000	924		92	80	120		6020/DOD
Copper	1000	991		99	80	120		6020/DOD
Iron	10000	9160		92	80	120		6020/DOD
Lead	1000	953		95	80	120		6020/DOD
Magnesium	10000	9480		95	80	120		6020/DOD
Manganese	1000	980		98	80	120		6020/DOD
Nickel	1000	968		97	80	120		6020/DOD
Potassium	10000	9230		92	80	120		6020/DOD
Selenium	1000	938		94	80	120		6020/DOD
Silver	100	98.5		99	80	120		6020/DOD
Sodium	10000	9120		91	80	120		6020/DOD
Thallium	250	220		88	80	120		6020/DOD
Vanadium	1000	903		90	80	120		6020/DOD
Zinc	1000	1010		101	80	120		6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-66219/2-A

Lab Name: TestAmerica Canton Job No.: 240-17477-1

Sample Matrix: Water LCS Source: MTHGICVW_00435

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	5.11		102	80	120		7470A/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-65204/2-A

Lab Name: TestAmerica Canton Job No.: 240-17477-1

Sample Matrix: Solid LCS Source: MTHGICVW_00428

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Hg	0.833	0.705		85	80	120		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG Number:

Matrix: Solid Instrument ID: I8

Method: 6020/DOD DL Date: 02/22/2010 11:00

Prep Method: 3050B

Leach Method: Increment, Prep

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Aluminum	27.00	10	2.49
Antimony	121.00	0.2	0.062
Arsenic	75.00	0.5	0.0522
Barium	137.00	0.5	0.13
Beryllium	9.00	0.1	0.1
Cadmium	111.00	0.2	0.0031
Calcium	43.00	200	40.05
Chromium	52.00	0.5	0.16
Cobalt	59.00	0.1	0.0045
Copper	65.00	0.4	0.11
Iron	56.00	50	10.91
Lead	208.00	0.3	0.0705
Magnesium	25.00	100	8.9
Manganese	55.00	0.5	0.16
Nickel	60.00	0.5	0.0864
Potassium	39.00	100	3.76
Selenium	78.00	0.5	0.0207
Silver	107.00	0.1	0.016
Sodium	23.00	100	14.01
Thallium	205.00	0.2	0.0562
Vanadium	51.00	0.5	0.0432
Zinc	66.00	4	1

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG Number:

Matrix: Solid Instrument ID: I8

Method: 6020/DOD XMDL Date: 07/15/2011 16:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	27.00	60	20.2
Antimony	121.00	2	0.21
Arsenic	75.00	5	0.44
Barium	137.00	5	1.3
Beryllium	9.00	1	0.033
Cadmium	111.00	2	0.023
Calcium	43.00	2000	400.5
Chromium	52.00	2	0.53
Cobalt	59.00	1	0.03
Copper	65.00	4	1.1
Iron	56.00	150	43.7
Lead	208.00	1	0.2
Magnesium	25.00	1000	89
Manganese	55.00	5	1.05
Nickel	60.00	5	0.62
Potassium	39.00	1000	15.69
Selenium	78.00	5	0.199
Silver	107.00	1	0.08
Sodium	23.00	1000	140.1
Thallium	205.00	2	0.32
Vanadium	51.00	5	0.432
Zinc	66.00	40	8.84

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG Number:

Matrix: Water Instrument ID: I8

Method: 6020/DOD DL Date: 02/22/2010 11:04

Prep Method: 3005A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Aluminum	27.00	60	20.2
Antimony	121.00	2	0.21
Arsenic	75.00	5	0.44
Barium	137.00	5	1.63
Beryllium	9.00	1	0.5
Cadmium	111.00	2	0.4
Calcium	43.00	2000	539
Chromium	52.00	2	0.53
Cobalt	59.00	1	0.2
Copper	65.00	4	1.36
Iron	56.00	150	43.7
Lead	208.00	1	0.2
Magnesium	25.00	1000	119
Manganese	55.00	5	1.05
Nickel	60.00	5	0.62
Potassium	39.00	1000	15.69
Selenium	78.00	5	0.199
Silver	107.00	1	0.08
Sodium	23.00	1000	162
Thallium	205.00	2	0.32
Vanadium	51.00	5	0.51
Zinc	66.00	40	8.84

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG Number:

Matrix: Water Instrument ID: I8

Method: 6020/DOD XMDL Date: 02/22/2010 11:04

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	27.00	60	20.2
Antimony	121.00	2	0.21
Arsenic	75.00	5	0.44
Barium	137.00	5	1.3
Beryllium	9.00	1	0.033
Cadmium	111.00	2	0.023
Calcium	43.00	2000	400.5
Chromium	52.00	2	0.53
Cobalt	59.00	1	0.03
Copper	65.00	4	1.1
Iron	56.00	150	43.7
Lead	208.00	1	0.2
Magnesium	25.00	1000	89
Manganese	55.00	5	1.05
Nickel	60.00	5	0.62
Potassium	39.00	1000	15.69
Selenium	78.00	5	0.199
Silver	107.00	1	0.08
Sodium	23.00	1000	140.1
Thallium	205.00	2	0.32
Vanadium	51.00	5	0.432
Zinc	66.00	40	8.84

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG Number:

Matrix: Water Instrument ID: H1

Method: 7470A/DOD DL Date: 02/16/2010 09:31

Prep Method: 7470A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Mercury	253.7	0.2	0.12

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG Number:

Matrix: Water Instrument ID: H1

Method: 7470A/DOD XMDL Date: 02/16/2010 09:31

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.12

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471/DOD DL Date: 02/16/2010 09:46

Prep Method: 7471A

Leach Method: Increment, Prep

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Hg	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471/DOD XMDL Date: 02/16/2010 09:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Hg	253.7	0.2	0.12

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-17477-1

SDG No.:

Instrument ID: I8 Date: 12/04/2012 16:25

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Aluminum		500000	6020/DOD
Antimony		2000	6020/DOD
Arsenic		10000	6020/DOD
Barium		10000	6020/DOD
Beryllium		10000	6020/DOD
Cadmium		10000	6020/DOD
Calcium		500000	6020/DOD
Chromium		10000	6020/DOD
Cobalt		10000	6020/DOD
Copper		10000	6020/DOD
Iron		500000	6020/DOD
Lead		10000	6020/DOD
Magnesium		500000	6020/DOD
Manganese		10000	6020/DOD
Nickel		10000	6020/DOD
Potassium		500000	6020/DOD
Selenium		10000	6020/DOD
Silver		2000	6020/DOD
Sodium		500000	6020/DOD
Thallium		10000	6020/DOD
Vanadium		10000	6020/DOD
Zinc		10000	6020/DOD

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-17477-1

SDG No.:

Instrument ID: H1 Date: 04/01/2011 10:45

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Mercury		10	7470A/DOD

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-65198/1-A	11/15/2012 12:19	65198	1.00		100
LCS 240-65198/2-A	11/15/2012 12:19	65198	1.00		100
240-17477-5	11/15/2012 12:19	65198	1.04		100
240-17477-6	11/15/2012 12:26	65198	1.26		100
240-17477-6 DU	11/15/2012 12:26	65198	1.26		100
240-17477-6 MS	11/15/2012 12:26	65198	1.26		100
240-17477-7	11/15/2012 12:26	65198	1.18		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-65311/1-A	11/16/2012 09:08	65311		50	50
LCS 240-65311/2-A	11/16/2012 09:08	65311		50	50
240-17477-4	11/16/2012 09:08	65311		50	50
240-17477-4 DU	11/16/2012 09:08	65311		50	50
240-17477-4 MS	11/16/2012 09:08	65311		50	50
240-17477-1	11/16/2012 09:08	65311		50	50
240-17477-2	11/16/2012 09:08	65311		50	50
240-17477-3	11/16/2012 09:08	65311		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-65204/1-A	11/15/2012 14:40	65204	0.60		100
LCS 240-65204/2-A	11/15/2012 14:40	65204	0.60		100
240-17477-5	11/15/2012 14:40	65204	0.62		100
240-17477-6	11/15/2012 14:40	65204	0.61		100
240-17477-6 DU	11/15/2012 14:40	65204	0.61		100
240-17477-6 MS	11/15/2012 14:40	65204	0.61		100
240-17477-7	11/15/2012 14:40	65204	0.67		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 240-66219/1-A	11/26/2012 15:25	66219		100	100
LCS 240-66219/2-A	11/26/2012 15:25	66219		100	100
240-17477-1	11/26/2012 15:25	66219		100	100
240-17477-2	11/26/2012 15:25	66219		100	100
240-17477-3	11/26/2012 15:25	66219		100	100
240-17477-4	11/26/2012 15:25	66219		100	100
240-17477-4 DU	11/26/2012 15:25	66219		100	100
240-17477-4 MS	11/26/2012 15:25	66219		100	100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 11/23/2012 09:28 End Date: 11/24/2012 01:13

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ICIS 240-66205/1	1		09:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 240-66205/2 IC	1		09:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD3 240-66205/3 IC	1		09:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD4 240-66205/4 IC	1		09:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 240-66205/5	1		09:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 240-66205/6	1		09:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 240-66205/7	1		10:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 240-66205/8	1		10:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 240-66205/9	1		10:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 240-66205/10			10:25																				
CCB 240-66205/11			10:32																				
ZZZZZZ			10:37																				
ZZZZZZ			10:45																				
ZZZZZZ			10:51																				
ZZZZZZ			10:58																				
ZZZZZZ			11:04																				
ZZZZZZ			11:09																				
ZZZZZZ			11:14																				
CCV 240-66205/19			11:21																				
CCB 240-66205/20			11:28																				
ZZZZZZ			11:33																				
ZZZZZZ			11:38																				
ZZZZZZ			11:43																				
CCV 240-66205/24			11:48																				
CCB 240-66205/25			11:55																				
ZZZZZZ			12:02																				
ZZZZZZ			12:07																				
ZZZZZZ			12:12																				
ZZZZZZ			12:17																				
ZZZZZZ			12:22																				
ZZZZZZ			12:28																				
ZZZZZZ			12:33																				
ZZZZZZ			12:38																				
ZZZZZZ			12:43																				
ZZZZZZ			12:48																				
CCV 240-66205/36			12:53																				
CCB 240-66205/37			13:00																				
ZZZZZZ			13:05																				
ZZZZZZ			13:10																				
ZZZZZZ			13:15																				
ZZZZZZ			13:20																				
ZZZZZZ			13:25																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 11/23/2012 09:28 End Date: 11/24/2012 01:13

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			13:31																				
ZZZZZZ			13:36																				
ZZZZZZ			13:41																				
ZZZZZZ			13:46																				
ZZZZZZ			13:51																				
CCV 240-66205/48			13:56																				
CCB 240-66205/49			14:03																				
ZZZZZZ			14:08																				
ZZZZZZ			14:13																				
ZZZZZZ			14:18																				
ZZZZZZ			14:23																				
ZZZZZZ			14:28																				
ZZZZZZ			14:33																				
ZZZZZZ			14:38																				
ZZZZZZ			14:43																				
CCV 240-66205/58	1		14:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 240-66205/59	1		14:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:00																				
ZZZZZZ			15:05																				
MB 240-65198/1-A	1	T	15:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 240-65198/2-A	1	T	15:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:22																				
ZZZZZZ			15:27																				
ZZZZZZ			15:32																				
ZZZZZZ			15:37																				
ZZZZZZ			15:44																				
ZZZZZZ			15:52																				
CCV 240-66205/70	1		15:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 240-66205/71	1		16:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:09																				
ZZZZZZ			16:14																				
ZZZZZZ			16:18																				
ZZZZZZ			16:23																				
ZZZZZZ			16:28																				
ZZZZZZ			16:33																				
ZZZZZZ			16:38																				
ZZZZZZ			16:43																				
ZZZZZZ			16:48																				
ZZZZZZ			16:53																				
CCV 240-66205/82	1		17:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 240-66205/83	1		17:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:13																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 11/23/2012 09:28 End Date: 11/24/2012 01:13

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			17:18																				
ZZZZZZ			17:22																				
ZZZZZZ			17:27																				
ZZZZZZ			17:32																				
ZZZZZZ			17:39																				
ZZZZZZ			17:44																				
ZZZZZZ			17:49																				
240-17477-5	1	T	17:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-17477-6	1	T	17:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 240-66205/94	1		18:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 240-66205/95	1		18:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-17477-6 DU	1	T	18:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-17477-6 MS	1	T	18:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-17477-7	1	T	18:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 240-66205/99	1		18:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 240-66205/100	1		18:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 240-66205/101	1		18:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			18:51																				
ICSA 240-66205/103			18:56																				
ICSAB 240-66205/104			19:01																				
CCV 240-66205/105			19:08																				
CCB 240-66205/106			19:15																				
ZZZZZZ			19:20																				
ZZZZZZ			19:25																				
ZZZZZZ			19:32																				
ZZZZZZ			19:37																				
ZZZZZZ			19:42																				
ZZZZZZ			19:49																				
ZZZZZZ			19:55																				
ZZZZZZ			20:02																				
CCV 240-66205/115			20:07																				
CCB 240-66205/116			20:14																				
ZZZZZZ			20:19																				
ZZZZZZ			20:24																				
ZZZZZZ			20:29																				
ZZZZZZ			20:34																				
ZZZZZZ			20:39																				
ZZZZZZ			20:44																				
ZZZZZZ			20:49																				
ZZZZZZ			20:54																				
ZZZZZZ			20:59																				
ZZZZZZ			21:04																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 11/23/2012 09:28 End Date: 11/24/2012 01:13

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
CCV 240-66205/127			21:11																				
CCB 240-66205/128			21:18																				
ZZZZZZ			21:23																				
ZZZZZZ			21:28																				
ZZZZZZ			21:33																				
ZZZZZZ			21:41																				
ZZZZZZ			21:48																				
ZZZZZZ			21:55																				
ZZZZZZ			22:00																				
ZZZZZZ			22:05																				
ZZZZZZ			22:10																				
ZZZZZZ			22:15																				
CCV 240-66205/139			22:20																				
CCB 240-66205/140			22:27																				
ZZZZZZ			22:32																				
ZZZZZZ			22:37																				
ZZZZZZ			22:42																				
ZZZZZZ			22:47																				
ZZZZZZ			22:52																				
ZZZZZZ			22:57																				
ZZZZZZ			23:02																				
ZZZZZZ			23:07																				
ZZZZZZ			23:12																				
ZZZZZZ			23:17																				
CCV 240-66205/151			23:25																				
CCB 240-66205/152			23:32																				
ZZZZZZ			23:37																				
ZZZZZZ			23:42																				
ZZZZZZ			23:47																				
ZZZZZZ			23:52																				
ZZZZZZ			23:57																				
ZZZZZZ			00:02																				
ZZZZZZ			00:07																				
ZZZZZZ			00:12																				
ZZZZZZ			00:17																				
CCV 240-66205/162			00:22																				
CCB 240-66205/163			00:29																				
ZZZZZZ			00:34																				
ZZZZZZ			00:39																				
ZZZZZZ			00:44																				
ZZZZZZ			00:49																				
ZZZZZZ			00:56																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 11/23/2012 09:28 End Date: 11/24/2012 01:13

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			01:01																				
CCV 240-66205/170			01:06																				
CCB 240-66205/171			01:13																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 11/23/2012 09:28 End Date: 11/24/2012 01:13

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ICIS 240-66205/1	1		09:28	X	X																		
STD2 240-66205/2 IC	1		09:33	X	X																		
STD3 240-66205/3 IC	1		09:40	X	X																		
STD4 240-66205/4 IC	1		09:47	X	X																		
ICV 240-66205/5	1		09:52	X	X																		
ICB 240-66205/6	1		09:59	X	X																		
CRI 240-66205/7	1		10:04	X	X																		
ICSA 240-66205/8	1		10:09	X	X																		
ICSAB 240-66205/9	1		10:18	X	X																		
CCV 240-66205/10			10:25																				
CCB 240-66205/11			10:32																				
ZZZZZZ			10:37																				
ZZZZZZ			10:45																				
ZZZZZZ			10:51																				
ZZZZZZ			10:58																				
ZZZZZZ			11:04																				
ZZZZZZ			11:09																				
ZZZZZZ			11:14																				
CCV 240-66205/19			11:21																				
CCB 240-66205/20			11:28																				
ZZZZZZ			11:33																				
ZZZZZZ			11:38																				
ZZZZZZ			11:43																				
CCV 240-66205/24			11:48																				
CCB 240-66205/25			11:55																				
ZZZZZZ			12:02																				
ZZZZZZ			12:07																				
ZZZZZZ			12:12																				
ZZZZZZ			12:17																				
ZZZZZZ			12:22																				
ZZZZZZ			12:28																				
ZZZZZZ			12:33																				
ZZZZZZ			12:38																				
ZZZZZZ			12:43																				
ZZZZZZ			12:48																				
CCV 240-66205/36			12:53																				
CCB 240-66205/37			13:00																				
ZZZZZZ			13:05																				
ZZZZZZ			13:10																				
ZZZZZZ			13:15																				
ZZZZZZ			13:20																				
ZZZZZZ			13:25																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 11/23/2012 09:28 End Date: 11/24/2012 01:13

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			13:31																				
ZZZZZZ			13:36																				
ZZZZZZ			13:41																				
ZZZZZZ			13:46																				
ZZZZZZ			13:51																				
CCV 240-66205/48			13:56																				
CCB 240-66205/49			14:03																				
ZZZZZZ			14:08																				
ZZZZZZ			14:13																				
ZZZZZZ			14:18																				
ZZZZZZ			14:23																				
ZZZZZZ			14:28																				
ZZZZZZ			14:33																				
ZZZZZZ			14:38																				
ZZZZZZ			14:43																				
CCV 240-66205/58	1		14:48	X	X																		
CCB 240-66205/59	1		14:55	X	X																		
ZZZZZZ			15:00																				
ZZZZZZ			15:05																				
MB 240-65198/1-A	1	T	15:10	X	X																		
LCS 240-65198/2-A	1	T	15:15	X	X																		
ZZZZZZ			15:22																				
ZZZZZZ			15:27																				
ZZZZZZ			15:32																				
ZZZZZZ			15:37																				
ZZZZZZ			15:44																				
ZZZZZZ			15:52																				
CCV 240-66205/70	1		15:56	X	X																		
CCB 240-66205/71	1		16:04	X	X																		
ZZZZZZ			16:09																				
ZZZZZZ			16:14																				
ZZZZZZ			16:18																				
ZZZZZZ			16:23																				
ZZZZZZ			16:28																				
ZZZZZZ			16:33																				
ZZZZZZ			16:38																				
ZZZZZZ			16:43																				
ZZZZZZ			16:48																				
ZZZZZZ			16:53																				
CCV 240-66205/82	1		17:00	X	X																		
CCB 240-66205/83	1		17:08	X	X																		
ZZZZZZ			17:13																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 11/23/2012 09:28 End Date: 11/24/2012 01:13

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			17:18																				
ZZZZZZ			17:22																				
ZZZZZZ			17:27																				
ZZZZZZ			17:32																				
ZZZZZZ			17:39																				
ZZZZZZ			17:44																				
ZZZZZZ			17:49																				
240-17477-5	1	T	17:54	X	X																		
240-17477-6	1	T	17:59	X	X																		
CCV 240-66205/94	1		18:04	X	X																		
CCB 240-66205/95	1		18:11	X	X																		
240-17477-6 DU	1	T	18:16	X	X																		
240-17477-6 MS	1	T	18:21	X	X																		
240-17477-7	1	T	18:28	X	X																		
CCV 240-66205/99	1		18:33	X	X																		
CCB 240-66205/100	1		18:41	X	X																		
CRI 240-66205/101	1		18:46	X	X																		
ZZZZZZ			18:51																				
ICSA 240-66205/103			18:56																				
ICSAB 240-66205/104			19:01																				
CCV 240-66205/105			19:08																				
CCB 240-66205/106			19:15																				
ZZZZZZ			19:20																				
ZZZZZZ			19:25																				
ZZZZZZ			19:32																				
ZZZZZZ			19:37																				
ZZZZZZ			19:42																				
ZZZZZZ			19:49																				
ZZZZZZ			19:55																				
ZZZZZZ			20:02																				
CCV 240-66205/115			20:07																				
CCB 240-66205/116			20:14																				
ZZZZZZ			20:19																				
ZZZZZZ			20:24																				
ZZZZZZ			20:29																				
ZZZZZZ			20:34																				
ZZZZZZ			20:39																				
ZZZZZZ			20:44																				
ZZZZZZ			20:49																				
ZZZZZZ			20:54																				
ZZZZZZ			20:59																				
ZZZZZZ			21:04																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 11/23/2012 09:28 End Date: 11/24/2012 01:13

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
CCV 240-66205/127			21:11																				
CCB 240-66205/128			21:18																				
ZZZZZZ			21:23																				
ZZZZZZ			21:28																				
ZZZZZZ			21:33																				
ZZZZZZ			21:41																				
ZZZZZZ			21:48																				
ZZZZZZ			21:55																				
ZZZZZZ			22:00																				
ZZZZZZ			22:05																				
ZZZZZZ			22:10																				
ZZZZZZ			22:15																				
CCV 240-66205/139			22:20																				
CCB 240-66205/140			22:27																				
ZZZZZZ			22:32																				
ZZZZZZ			22:37																				
ZZZZZZ			22:42																				
ZZZZZZ			22:47																				
ZZZZZZ			22:52																				
ZZZZZZ			22:57																				
ZZZZZZ			23:02																				
ZZZZZZ			23:07																				
ZZZZZZ			23:12																				
ZZZZZZ			23:17																				
CCV 240-66205/151			23:25																				
CCB 240-66205/152			23:32																				
ZZZZZZ			23:37																				
ZZZZZZ			23:42																				
ZZZZZZ			23:47																				
ZZZZZZ			23:52																				
ZZZZZZ			23:57																				
ZZZZZZ			00:02																				
ZZZZZZ			00:07																				
ZZZZZZ			00:12																				
ZZZZZZ			00:17																				
CCV 240-66205/162			00:22																				
CCB 240-66205/163			00:29																				
ZZZZZZ			00:34																				
ZZZZZZ			00:39																				
ZZZZZZ			00:44																				
ZZZZZZ			00:49																				
ZZZZZZ			00:56																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 11/23/2012 09:28 End Date: 11/24/2012 01:13

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			01:01																				
CCV 240-66205/170			01:06																				
CCB 240-66205/171			01:13																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ICIS 240-68088/1	1		08:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 240-68088/2 IC	1		08:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD3 240-68088/3 IC	1		08:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD4 240-68088/4 IC	1		09:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 240-68088/5	1		09:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 240-68088/6	1		09:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 240-68088/7	1		09:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 240-68088/8	1		09:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 240-68088/9	1		09:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 240-68088/10			09:38																				
CCB 240-68088/11			09:46																				
ZZZZZZ			09:51																				
ZZZZZZ			09:58																				
ZZZZZZ			10:05																				
CCV 240-68088/15			10:10																				
CCB 240-68088/16			10:17																				
ZZZZZZ			10:22																				
ZZZZZZ			10:27																				
ZZZZZZ			10:35																				
CCV 240-68088/20	1		10:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 240-68088/21	1		10:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 240-65311/1-A	1	R	10:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 240-65311/2-A	1	R	10:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:06																				
ZZZZZZ			11:13																				
ZZZZZZ			11:18																				
ZZZZZZ			11:23																				
ZZZZZZ			11:30																				
240-17477-4	1	R	11:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-17477-4 DU	1	R	11:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-17477-4 MS	1	R	11:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 240-68088/32	1		11:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 240-68088/33	1		12:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:09																				
ZZZZZZ			12:14																				
240-17477-1	1	R	12:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-17477-2	1	R	12:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-17477-3	1	R	12:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 240-68088/39	1		12:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 240-68088/40	1		12:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:46																				
CRI 240-68088/42	1		12:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			12:57																					
CCV 240-68088/44			13:02																					
CCB 240-68088/45			13:09																					
ZZZZZZ			13:14																					
ZZZZZZ			13:19																					
ZZZZZZ			13:27																					
ZZZZZZ			13:34																					
ZZZZZZ			13:39																					
ZZZZZZ			13:46																					
ZZZZZZ			13:53																					
ZZZZZZ			14:00																					
ZZZZZZ			14:08																					
ZZZZZZ			14:15																					
CCV 240-68088/56			14:22																					
CCB 240-68088/57			14:29																					
ZZZZZZ			14:36																					
ZZZZZZ			14:41																					
ZZZZZZ			14:46																					
ZZZZZZ			14:51																					
ZZZZZZ			14:56																					
ZZZZZZ			15:01																					
ZZZZZZ			15:06																					
ZZZZZZ			15:11																					
CCV 240-68088/66			15:16																					
CCB 240-68088/67			15:23																					
ZZZZZZ			15:28																					
ZZZZZZ			15:33																					
ZZZZZZ			15:38																					
ZZZZZZ			15:43																					
ZZZZZZ			15:48																					
ZZZZZZ			15:53																					
ZZZZZZ			15:58																					
ZZZZZZ			16:03																					
ZZZZZZ			16:08																					
ZZZZZZ			16:13																					
CCV 240-68088/78			16:18																					
CCB 240-68088/79			16:25																					
ZZZZZZ			16:30																					
ZZZZZZ			16:37																					
ZZZZZZ			16:45																					
ZZZZZZ			16:50																					
ZZZZZZ			16:57																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			17:04																					
ZZZZZZ			17:11																					
ZZZZZZ			17:18																					
ZZZZZZ			17:26																					
ZZZZZZ			17:30																					
CCV 240-68088/90			17:38																					
CCB 240-68088/91			17:45																					
ZZZZZZ			17:52																					
ZZZZZZ			17:59																					
ZZZZZZ			18:06																					
ZZZZZZ			18:14																					
ZZZZZZ			18:19																					
ZZZZZZ			18:24																					
ZZZZZZ			18:29																					
ZZZZZZ			18:34																					
ZZZZZZ			18:39																					
ZZZZZZ			18:44																					
CCV 240-68088/102			18:48																					
CCB 240-68088/103			18:56																					
ZZZZZZ			19:01																					
ZZZZZZ			19:06																					
ZZZZZZ			19:11																					
ZZZZZZ			19:16																					
ZZZZZZ			19:21																					
ZZZZZZ			19:26																					
ZZZZZZ			19:31																					
ZZZZZZ			19:36																					
ZZZZZZ			19:43																					
ZZZZZZ			19:50																					
CCV 240-68088/114			19:55																					
CCB 240-68088/115			20:02																					
ICSA 240-68088/116			20:10																					
ICSAB 240-68088/117			20:14																					
CCV 240-68088/118			20:22																					
CCB 240-68088/119			20:29																					
ZZZZZZ			20:36																					
ZZZZZZ			20:43																					
ZZZZZZ			20:51																					
ZZZZZZ			20:58																					
ZZZZZZ			21:05																					
ZZZZZZ			21:10																					
CCV 240-68088/126			21:15																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
CCB 240-68088/127			21:22																				
ZZZZZZ			21:29																				
ZZZZZZ			21:35																				
ZZZZZZ			21:40																				
ZZZZZZ			21:45																				
ZZZZZZ			21:50																				
ZZZZZZ			21:55																				
ZZZZZZ			22:00																				
ZZZZZZ			22:04																				
ZZZZZZ			22:09																				
ZZZZZZ			22:14																				
CCV 240-68088/138			22:19																				
CCB 240-68088/139			22:27																				
ZZZZZZ			22:32																				
ZZZZZZ			22:37																				
ZZZZZZ			22:42																				
ZZZZZZ			22:47																				
ZZZZZZ			22:52																				
CCV 240-68088/145			22:57																				
CCB 240-68088/146			23:04																				
ZZZZZZ			23:09																				
ZZZZZZ			23:14																				
ZZZZZZ			23:22																				
ZZZZZZ			23:29																				
ZZZZZZ			23:34																				
ZZZZZZ			23:39																				
CCV 240-68088/153			23:44																				
CCB 240-68088/154			23:51																				
ZZZZZZ			23:56																				
ZZZZZZ			00:01																				
ZZZZZZ			00:09																				
ZZZZZZ			00:14																				
ZZZZZZ			00:19																				
ZZZZZZ			00:26																				
ZZZZZZ			00:33																				
ZZZZZZ			00:40																				
ZZZZZZ			00:45																				
ZZZZZZ			00:50																				
CCV 240-68088/165			00:56																				
CCB 240-68088/166			01:03																				
ZZZZZZ			01:08																				
ZZZZZZ			01:13																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			01:18																					
ZZZZZZ			01:23																					
ZZZZZZ			01:28																					
ZZZZZZ			01:33																					
ZZZZZZ			01:38																					
ZZZZZZ			01:43																					
ZZZZZZ			01:48																					
ZZZZZZ			01:53																					
CCV 240-68088/177			01:58																					
CCB 240-68088/178			02:05																					
ZZZZZZ			02:10																					
ZZZZZZ			02:15																					
ZZZZZZ			02:20																					
ZZZZZZ			02:25																					
ZZZZZZ			02:33																					
ZZZZZZ			02:38																					
ZZZZZZ			02:43																					
ZZZZZZ			02:50																					
ZZZZZZ			02:57																					
ZZZZZZ			03:03																					
CCV 240-68088/189			03:08																					
CCB 240-68088/190			03:15																					
ZZZZZZ			03:20																					
ZZZZZZ			03:25																					
ZZZZZZ			03:30																					
ZZZZZZ			03:35																					
ZZZZZZ			03:40																					
ZZZZZZ			03:45																					
ZZZZZZ			03:50																					
ZZZZZZ			03:55																					
ZZZZZZ			04:00																					
ZZZZZZ			04:05																					
CCV 240-68088/201			04:10																					
CCB 240-68088/202			04:18																					
ZZZZZZ			04:23																					
ZZZZZZ			04:28																					
ZZZZZZ			04:33																					
ZZZZZZ			04:38																					
CCV 240-68088/207			04:43																					
CCB 240-68088/208			04:50																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ICIS 240-68088/1	1		08:43	X	X																		
STD2 240-68088/2 IC	1		08:48	X	X																		
STD3 240-68088/3 IC	1		08:55	X	X																		
STD4 240-68088/4 IC	1		09:03	X	X																		
ICV 240-68088/5	1		09:08	X	X																		
ICB 240-68088/6	1		09:15	X	X																		
CRI 240-68088/7	1		09:20	X	X																		
ICSA 240-68088/8	1		09:26	X	X																		
ICSAB 240-68088/9	1		09:31	X	X																		
CCV 240-68088/10			09:38																				
CCB 240-68088/11			09:46																				
ZZZZZZ			09:51																				
ZZZZZZ			09:58																				
ZZZZZZ			10:05																				
CCV 240-68088/15			10:10																				
CCB 240-68088/16			10:17																				
ZZZZZZ			10:22																				
ZZZZZZ			10:27																				
ZZZZZZ			10:35																				
CCV 240-68088/20	1		10:42	X	X																		
CCB 240-68088/21	1		10:49	X	X																		
MB 240-65311/1-A	1	R	10:54	X	X																		
LCS 240-65311/2-A	1	R	10:59	X	X																		
ZZZZZZ			11:06																				
ZZZZZZ			11:13																				
ZZZZZZ			11:18																				
ZZZZZZ			11:23																				
ZZZZZZ			11:30																				
240-17477-4	1	R	11:38	X	X																		
240-17477-4 DU	1	R	11:43	X	X																		
240-17477-4 MS	1	R	11:48	X	X																		
CCV 240-68088/32	1		11:55	X	X																		
CCB 240-68088/33	1		12:02	X	X																		
ZZZZZZ			12:09																				
ZZZZZZ			12:14																				
240-17477-1	1	R	12:19	X	X																		
240-17477-2	1	R	12:24	X	X																		
240-17477-3	1	R	12:29	X	X																		
CCV 240-68088/39	1		12:34	X	X																		
CCB 240-68088/40	1		12:41	X	X																		
ZZZZZZ			12:46																				
CRI 240-68088/42	1		12:52	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			12:57																				
CCV 240-68088/44			13:02																				
CCB 240-68088/45			13:09																				
ZZZZZZ			13:14																				
ZZZZZZ			13:19																				
ZZZZZZ			13:27																				
ZZZZZZ			13:34																				
ZZZZZZ			13:39																				
ZZZZZZ			13:46																				
ZZZZZZ			13:53																				
ZZZZZZ			14:00																				
ZZZZZZ			14:08																				
ZZZZZZ			14:15																				
CCV 240-68088/56			14:22																				
CCB 240-68088/57			14:29																				
ZZZZZZ			14:36																				
ZZZZZZ			14:41																				
ZZZZZZ			14:46																				
ZZZZZZ			14:51																				
ZZZZZZ			14:56																				
ZZZZZZ			15:01																				
ZZZZZZ			15:06																				
ZZZZZZ			15:11																				
CCV 240-68088/66			15:16																				
CCB 240-68088/67			15:23																				
ZZZZZZ			15:28																				
ZZZZZZ			15:33																				
ZZZZZZ			15:38																				
ZZZZZZ			15:43																				
ZZZZZZ			15:48																				
ZZZZZZ			15:53																				
ZZZZZZ			15:58																				
ZZZZZZ			16:03																				
ZZZZZZ			16:08																				
ZZZZZZ			16:13																				
CCV 240-68088/78			16:18																				
CCB 240-68088/79			16:25																				
ZZZZZZ			16:30																				
ZZZZZZ			16:37																				
ZZZZZZ			16:45																				
ZZZZZZ			16:50																				
ZZZZZZ			16:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			17:04																				
ZZZZZZ			17:11																				
ZZZZZZ			17:18																				
ZZZZZZ			17:26																				
ZZZZZZ			17:30																				
CCV 240-68088/90			17:38																				
CCB 240-68088/91			17:45																				
ZZZZZZ			17:52																				
ZZZZZZ			17:59																				
ZZZZZZ			18:06																				
ZZZZZZ			18:14																				
ZZZZZZ			18:19																				
ZZZZZZ			18:24																				
ZZZZZZ			18:29																				
ZZZZZZ			18:34																				
ZZZZZZ			18:39																				
ZZZZZZ			18:44																				
CCV 240-68088/102			18:48																				
CCB 240-68088/103			18:56																				
ZZZZZZ			19:01																				
ZZZZZZ			19:06																				
ZZZZZZ			19:11																				
ZZZZZZ			19:16																				
ZZZZZZ			19:21																				
ZZZZZZ			19:26																				
ZZZZZZ			19:31																				
ZZZZZZ			19:36																				
ZZZZZZ			19:43																				
ZZZZZZ			19:50																				
CCV 240-68088/114			19:55																				
CCB 240-68088/115			20:02																				
ICSA 240-68088/116			20:10																				
ICSAB 240-68088/117			20:14																				
CCV 240-68088/118			20:22																				
CCB 240-68088/119			20:29																				
ZZZZZZ			20:36																				
ZZZZZZ			20:43																				
ZZZZZZ			20:51																				
ZZZZZZ			20:58																				
ZZZZZZ			21:05																				
ZZZZZZ			21:10																				
CCV 240-68088/126			21:15																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
CCB 240-68088/127			21:22																				
ZZZZZZ			21:29																				
ZZZZZZ			21:35																				
ZZZZZZ			21:40																				
ZZZZZZ			21:45																				
ZZZZZZ			21:50																				
ZZZZZZ			21:55																				
ZZZZZZ			22:00																				
ZZZZZZ			22:04																				
ZZZZZZ			22:09																				
ZZZZZZ			22:14																				
CCV 240-68088/138			22:19																				
CCB 240-68088/139			22:27																				
ZZZZZZ			22:32																				
ZZZZZZ			22:37																				
ZZZZZZ			22:42																				
ZZZZZZ			22:47																				
ZZZZZZ			22:52																				
CCV 240-68088/145			22:57																				
CCB 240-68088/146			23:04																				
ZZZZZZ			23:09																				
ZZZZZZ			23:14																				
ZZZZZZ			23:22																				
ZZZZZZ			23:29																				
ZZZZZZ			23:34																				
ZZZZZZ			23:39																				
CCV 240-68088/153			23:44																				
CCB 240-68088/154			23:51																				
ZZZZZZ			23:56																				
ZZZZZZ			00:01																				
ZZZZZZ			00:09																				
ZZZZZZ			00:14																				
ZZZZZZ			00:19																				
ZZZZZZ			00:26																				
ZZZZZZ			00:33																				
ZZZZZZ			00:40																				
ZZZZZZ			00:45																				
ZZZZZZ			00:50																				
CCV 240-68088/165			00:56																				
CCB 240-68088/166			01:03																				
ZZZZZZ			01:08																				
ZZZZZZ			01:13																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			01:18																				
ZZZZZZ			01:23																				
ZZZZZZ			01:28																				
ZZZZZZ			01:33																				
ZZZZZZ			01:38																				
ZZZZZZ			01:43																				
ZZZZZZ			01:48																				
ZZZZZZ			01:53																				
CCV 240-68088/177			01:58																				
CCB 240-68088/178			02:05																				
ZZZZZZ			02:10																				
ZZZZZZ			02:15																				
ZZZZZZ			02:20																				
ZZZZZZ			02:25																				
ZZZZZZ			02:33																				
ZZZZZZ			02:38																				
ZZZZZZ			02:43																				
ZZZZZZ			02:50																				
ZZZZZZ			02:57																				
ZZZZZZ			03:03																				
CCV 240-68088/189			03:08																				
CCB 240-68088/190			03:15																				
ZZZZZZ			03:20																				
ZZZZZZ			03:25																				
ZZZZZZ			03:30																				
ZZZZZZ			03:35																				
ZZZZZZ			03:40																				
ZZZZZZ			03:45																				
ZZZZZZ			03:50																				
ZZZZZZ			03:55																				
ZZZZZZ			04:00																				
ZZZZZZ			04:05																				
CCV 240-68088/201			04:10																				
CCB 240-68088/202			04:18																				
ZZZZZZ			04:23																				
ZZZZZZ			04:28																				
ZZZZZZ			04:33																				
ZZZZZZ			04:38																				
CCV 240-68088/207			04:43																				
CCB 240-68088/208			04:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: I8 Method: 6020/DOD

Start Date: 12/10/2012 08:43 End Date: 12/11/2012 04:50

Prep Types
R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: H1 Method: 7470A/DOD

Start Date: 11/27/2012 10:16 End Date: 11/27/2012 18:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 240-66340/1-A			10:16	X																			
IC 240-66340/2-A			10:18	X																			
IC 240-66340/3-A			10:21	X																			
IC 240-66340/4-A			10:23	X																			
IC 240-66340/5-A			10:25	X																			
IC 240-66340/6-A			10:28	X																			
ICV 240-66340/7-A	1		10:32	X																			
ICB 240-66340/8-A	1		10:34	X																			
CRA 240-66340/9-A	1		10:37	X																			
CCVL 240-66340/10-A	1		11:33	X																			
CCB 240-66340/12-A			11:36																				
ZZZZZZ			11:38																				
ZZZZZZ			11:40																				
ZZZZZZ			11:43																				
ZZZZZZ			11:45																				
ZZZZZZ			11:47																				
ZZZZZZ			11:51																				
ZZZZZZ			11:53																				
ZZZZZZ			11:55																				
ZZZZZZ			11:58																				
ZZZZZZ			12:00																				
CCV 240-66340/11-A			12:03																				
CCB 240-66340/12-A			12:05																				
ZZZZZZ			12:07																				
ZZZZZZ			12:10																				
ZZZZZZ			12:12																				
ZZZZZZ			12:14																				
ZZZZZZ			12:17																				
ZZZZZZ			12:19																				
ZZZZZZ			12:21																				
ZZZZZZ			12:24																				
ZZZZZZ			12:26																				
ZZZZZZ			12:28																				
CCV 240-66340/11-A			12:32																				
CCB 240-66340/12-A			12:34																				
ZZZZZZ			12:37																				
ZZZZZZ			12:39																				
ZZZZZZ			12:41																				
ZZZZZZ			12:43																				
ZZZZZZ			12:47																				
ZZZZZZ			12:49																				
ZZZZZZ			12:51																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: H1 Method: 7470A/DOD

Start Date: 11/27/2012 10:16 End Date: 11/27/2012 18:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:54																				
ZZZZZZ			12:56																				
ZZZZZZ			12:58																				
CCV 240-66340/11-A			13:01																				
CCB 240-66340/12-A			13:03																				
ZZZZZZ			13:05																				
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:12																				
ZZZZZZ			13:14																				
ZZZZZZ			13:17																				
ZZZZZZ			13:19																				
ZZZZZZ			13:21																				
ZZZZZZ			13:23																				
ZZZZZZ			13:26																				
CCV 240-66340/11-A			13:28																				
CCB 240-66340/12-A			13:30																				
ZZZZZZ			13:33																				
ZZZZZZ			13:35																				
ZZZZZZ			13:37																				
ZZZZZZ			13:40																				
ZZZZZZ			13:42																				
ZZZZZZ			13:45																				
ZZZZZZ			13:47																				
ZZZZZZ			13:50																				
CCV 240-66340/11-A			13:52																				
CCB 240-66340/12-A			13:54																				
CCV 240-66340/11-A			14:26																				
CCB 240-66340/12-A			14:29																				
ZZZZZZ			14:31																				
ZZZZZZ			14:34																				
ZZZZZZ			14:36																				
ZZZZZZ			14:38																				
ZZZZZZ			14:40																				
ZZZZZZ			14:43																				
ZZZZZZ			14:45																				
ZZZZZZ			14:47																				
ZZZZZZ			14:51																				
ZZZZZZ			14:53																				
CCV 240-66340/11-A			14:56																				
CCB 240-66340/12-A			14:58																				
ZZZZZZ			15:01																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: H1 Method: 7470A/DOD

Start Date: 11/27/2012 10:16 End Date: 11/27/2012 18:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			15:03																				
ZZZZZZ			15:05																				
ZZZZZZ			15:08																				
ZZZZZZ			15:10																				
ZZZZZZ			15:13																				
ZZZZZZ			15:15																				
ZZZZZZ			15:17																				
ZZZZZZ			15:20																				
ZZZZZZ			15:22																				
CCV 240-66340/11-A	1		15:24	X																			
CCB 240-66340/12-A	1		15:27	X																			
ZZZZZZ			15:29																				
ZZZZZZ			15:31																				
ZZZZZZ			15:34																				
ZZZZZZ			15:36																				
ZZZZZZ			15:38																				
ZZZZZZ			15:40																				
ZZZZZZ			15:43																				
ZZZZZZ			15:45																				
ZZZZZZ			15:48																				
MB 240-66219/1-A	1	T	15:50	X																			
CCV 240-66340/11-A	1		15:52	X																			
CCB 240-66340/12-A	1		15:55	X																			
LCS 240-66219/2-A	1	T	15:57	X																			
ZZZZZZ			15:59																				
ZZZZZZ			16:01																				
ZZZZZZ			16:05																				
ZZZZZZ			16:07																				
240-17477-4	1	T	16:09	X																			
240-17477-3	1	T	16:11	X																			
ZZZZZZ			16:14																				
240-17477-4 DU	1	T	16:16	X																			
240-17477-2	1	T	16:19	X																			
CCV 240-66340/11-A	1		16:21	X																			
CCB 240-66340/12-A	1		16:23	X																			
240-17477-1	1	T	16:26	X																			
ZZZZZZ			16:28																				
ZZZZZZ			16:31																				
ZZZZZZ			16:33																				
ZZZZZZ			16:36																				
ZZZZZZ			16:38																				
240-17477-4 MS	1	T	16:40	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: H1 Method: 7470A/DOD

Start Date: 11/27/2012 10:16 End Date: 11/27/2012 18:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			16:42																				
ZZZZZZ			16:45																				
ZZZZZZ			16:48																				
CCV 240-66340/11-A	1		16:50	X																			
CCB 240-66340/12-A	1		16:52	X																			
ZZZZZZ			16:55																				
ZZZZZZ			16:57																				
ZZZZZZ			16:59																				
ZZZZZZ			17:02																				
ZZZZZZ			17:04																				
ZZZZZZ			17:07																				
ZZZZZZ			17:09																				
ZZZZZZ			17:11																				
ZZZZZZ			17:14																				
ZZZZZZ			17:16																				
CCV 240-66340/11-A			17:19																				
CCB 240-66340/12-A			17:21																				
ZZZZZZ			17:24																				
ZZZZZZ			17:26																				
ZZZZZZ			17:29																				
ZZZZZZ			17:31																				
ZZZZZZ			17:33																				
ZZZZZZ			17:36																				
ZZZZZZ			17:38																				
ZZZZZZ			17:40																				
ZZZZZZ			17:42																				
ZZZZZZ			17:45																				
CCV 240-66340/11-A			17:47																				
CCB 240-66340/12-A			17:49																				
ZZZZZZ			17:52																				
ZZZZZZ			17:54																				
ZZZZZZ			17:56																				
ZZZZZZ			17:59																				
ZZZZZZ			18:01																				
ZZZZZZ			18:03																				
CRA 240-66340/9-A	1		18:06	X																			
CCV 240-66340/11-A			18:08																				
CCB 240-66340/12-A			18:10																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 11/16/2012 09:03 End Date: 11/16/2012 19:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 240-65225/1-A			09:03	X																			
IC 240-65225/2-A			09:05	X																			
IC 240-65225/3-A			09:06	X																			
IC 240-65225/4-A			09:07	X																			
IC 240-65225/5-A			09:09	X																			
IC 240-65225/6-A			09:10	X																			
ICV 240-65225/7-A	1		09:12	X																			
ICB 240-65225/8-A	1		09:14	X																			
CRA 240-65225/9-A	1		09:16	X																			
CCV 240-65225/10-A			09:25																				
CCB 240-65225/11-A			09:26																				
ZZZZZZ			09:28																				
ZZZZZZ			09:29																				
ZZZZZZ			09:31																				
ZZZZZZ			09:33																				
ZZZZZZ			09:34																				
ZZZZZZ			09:36																				
CCV 240-65225/10-A			09:37																				
CCB 240-65225/11-A			09:38																				
CCV 240-65225/10-A			18:08																				
CCB 240-65225/11-A			18:10																				
ZZZZZZ			18:11																				
ZZZZZZ			18:13																				
ZZZZZZ			18:15																				
ZZZZZZ			18:16																				
ZZZZZZ			18:18																				
ZZZZZZ			18:19																				
ZZZZZZ			18:21																				
ZZZZZZ			18:22																				
ZZZZZZ			18:23																				
ZZZZZZ			18:25																				
CCV 240-65225/10-A			18:26																				
CCB 240-65225/11-A			18:28																				
ZZZZZZ			18:30																				
ZZZZZZ			18:31																				
ZZZZZZ			18:32																				
ZZZZZZ			18:34																				
ZZZZZZ			18:35																				
ZZZZZZ			18:36																				
ZZZZZZ			18:38																				
ZZZZZZ			18:39																				
ZZZZZZ			18:41																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 11/16/2012 09:03 End Date: 11/16/2012 19:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				Hg																				
ZZZZZZ			18:42																					
CCV 240-65225/10-A	1		18:44	X																				
CCB 240-65225/11-A	1		18:45	X																				
ZZZZZZ			18:47																					
ZZZZZZ			18:48																					
ZZZZZZ			18:50																					
ZZZZZZ			18:52																					
ZZZZZZ			18:53																					
ZZZZZZ			18:54																					
ZZZZZZ			18:56																					
ZZZZZZ			18:57																					
MB 240-65204/1-A	1	T	18:59	X																				
LCS 240-65204/2-A	1	T	19:00	X																				
CCV 240-65225/10-A	1		19:01	X																				
CCB 240-65225/11-A	1		19:03	X																				
ZZZZZZ			19:04																					
ZZZZZZ			19:05																					
ZZZZZZ			19:07																					
ZZZZZZ			19:08																					
ZZZZZZ			19:10																					
ZZZZZZ			19:11																					
ZZZZZZ			19:12																					
ZZZZZZ			19:14																					
ZZZZZZ			19:15																					
ZZZZZZ			19:16																					
CCV 240-65225/10-A			19:18																					
CCB 240-65225/11-A			19:20																					
ZZZZZZ			19:21																					
ZZZZZZ			19:22																					
ZZZZZZ			19:24																					
ZZZZZZ			19:26																					
ZZZZZZ			19:28																					
ZZZZZZ			19:29																					
ZZZZZZ			19:30																					
ZZZZZZ			19:32																					
ZZZZZZ			19:33																					
ZZZZZZ			19:35																					
CCV 240-65225/10-A	1		19:36	X																				
CCB 240-65225/11-A	1		19:38	X																				
ZZZZZZ			19:40																					
ZZZZZZ			19:41																					
240-17477-5	1	T	19:42	X																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 11/16/2012 09:03 End Date: 11/16/2012 19:52

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
240-17477-6	1	T	19:44	X																			
240-17477-6 DU	1	T	19:45	X																			
240-17477-6 MS	1	T	19:46	X																			
240-17477-7	1	T	19:48	X																			
CRA 240-65225/9-A	1		19:49	X																			
CCV 240-65225/10-A	1		19:51	X																			
CCB 240-65225/11-A	1		19:52	X																			

Prep Types

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICP-MS Instrument ID: I8 Start Date: 11/23/2012 End Date: 11/23/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li	Q	Element Sc	Q	Element Sc	Q	Element Ge	Q	Element In	Q
ICIS 240-66205/1	09:28	100		100		100		100		100	
STD2 240-66205/2 IC	09:33	94		96		95		92		94	
STD3 240-66205/3 IC	09:40	96		99		106		99		101	
STD4 240-66205/4 IC	09:47	93		93		94		95		95	
ICV 240-66205/5	09:52	93		94		97		93		94	
ICB 240-66205/6	09:59	89		90		91		90		92	
CRI 240-66205/7	10:04	88		87		89		87		90	
ICSA 240-66205/8	10:09	87		85		91		90		92	
ICSAB 240-66205/9	10:18	92		93		95		95		97	
CCV 240-66205/58	14:48	80		80		84		82		84	
CCB 240-66205/59	14:55	80		82		83		83		84	
MB 240-65198/1-A	15:10	77		77		80		81		81	
LCS 240-65198/2-A	15:15	77		78		82		81		83	
CCV 240-66205/70	15:56	93		92		92		89		89	
CCB 240-66205/71	16:04	88		88		87		87		87	
CCV 240-66205/82	17:00	83		88		90		88		88	
CCB 240-66205/83	17:08	78		82		84		84		86	
240-17477-5	17:54	84		86		89		88		87	
240-17477-6	17:59	84		86		89		87		87	
CCV 240-66205/94	18:04	87		87		89		87		86	
CCB 240-66205/95	18:11	79		81		83		82		83	
240-17477-6 DU	18:16	79		84		87		84		85	
240-17477-6 MS	18:21	81		86		90		85		87	
240-17477-7	18:28	81		86		89		85		86	
CCV 240-66205/99	18:33	83		85		88		85		85	
CCB 240-66205/100	18:41	78		80		83		82		83	
CRI 240-66205/101	18:46	75		76		80		78		81	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICP-MS Instrument ID: I8 Start Date: 11/23/2012 End Date: 11/23/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
ICIS 240-66205/1	09:28			100		100					
STD2 240-66205/2 IC	09:33			96		89					
STD3 240-66205/3 IC	09:40			100		88					
STD4 240-66205/4 IC	09:47			94		98					
ICV 240-66205/5	09:52			95		90					
ICB 240-66205/6	09:59			92		95					
CRI 240-66205/7	10:04			90		93					
ICSA 240-66205/8	10:09			91		88					
ICSAB 240-66205/9	10:18			95		92					
CCV 240-66205/58	14:48			91		83					
CCB 240-66205/59	14:55			89		90					
MB 240-65198/1-A	15:10			89		88					
LCS 240-65198/2-A	15:15			91		87					
CCV 240-66205/70	15:56			96		87					
CCB 240-66205/71	16:04			93		92					
CCV 240-66205/82	17:00			96		87					
CCB 240-66205/83	17:08			92		91					
240-17477-5	17:54			98		96					
240-17477-6	17:59			99		90					
CCV 240-66205/94	18:04			94		85					
CCB 240-66205/95	18:11			89		89					
240-17477-6 DU	18:16			98		88					
240-17477-6 MS	18:21			100		86					
240-17477-7	18:28			98		89					
CCV 240-66205/99	18:33			93		84					
CCB 240-66205/100	18:41			89		89					
CRI 240-66205/101	18:46			87		87					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICP-MS Instrument ID: I8 Start Date: 12/10/2012 End Date: 12/10/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li	Q	Element Sc	Q	Element Sc	Q	Element Ge	Q	Element In	Q
ICIS 240-68088/1	08:43	100		100		100		100		100	
STD2 240-68088/2 IC	08:48	89		88		90		87		90	
STD3 240-68088/3 IC	08:55	81		83		87		82		86	
STD4 240-68088/4 IC	09:03	81		83		85		87		90	
ICV 240-68088/5	09:08	83		84		87		85		88	
ICB 240-68088/6	09:15	82		83		86		87		91	
CRI 240-68088/7	09:20	86		86		88		89		92	
ICSA 240-68088/8	09:26	80		79		85		83		87	
ICSAB 240-68088/9	09:31	80		79		85		83		87	
CCV 240-68088/20	10:42	87		84		90		87		91	
CCB 240-68088/21	10:49	85		83		87		87		92	
MB 240-65311/1-A	10:54	88		85		88		89		93	
LCS 240-65311/2-A	10:59	88		85		91		91		95	
240-17477-4	11:38	87		85		90		91		94	
240-17477-4 DU	11:43	91		87		91		92		95	
240-17477-4 MS	11:48	89		84		88		88		90	
CCV 240-68088/32	11:55	91		86		90		88		91	
CCB 240-68088/33	12:02	86		83		87		87		91	
240-17477-1	12:19	93		89		92		92		95	
240-17477-2	12:24	92		88		91		91		95	
240-17477-3	12:29	91		88		91		92		95	
CCV 240-68088/39	12:34	93		87		91		87		90	
CCB 240-68088/40	12:41	84		82		85		86		91	
CRI 240-68088/42	12:52	89		85		88		89		93	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

ICP-MS Instrument ID: I8 Start Date: 12/10/2012 End Date: 12/10/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
ICIS 240-68088/1	08:43			100		100					
STD2 240-68088/2 IC	08:48			94		86					
STD3 240-68088/3 IC	08:55			91		80					
STD4 240-68088/4 IC	09:03			93		95					
ICV 240-68088/5	09:08			93		86					
ICB 240-68088/6	09:15			93		95					
CRI 240-68088/7	09:20			95		96					
ICSA 240-68088/8	09:26			91		84					
ICSAB 240-68088/9	09:31			93		86					
CCV 240-68088/20	10:42			98		89					
CCB 240-68088/21	10:49			97		99					
MB 240-65311/1-A	10:54			98		101					
LCS 240-65311/2-A	10:59			101		99					
240-17477-4	11:38			100		99					
240-17477-4 DU	11:43			101		99					
240-17477-4 MS	11:48			98		94					
CCV 240-68088/32	11:55			99		90					
CCB 240-68088/33	12:02			97		100					
240-17477-1	12:19			102		100					
240-17477-2	12:24			102		100					
240-17477-3	12:29			102		100					
CCV 240-68088/39	12:34			99		91					
CCB 240-68088/40	12:41			98		100					
CRI 240-68088/42	12:52			100		102					

MTMSCCBDILH20-66

TestAmerica ICP/MS Data Review Checklist

Run Date: 11-23-12 Analyst: NGJ Instrument: I8

Review Items

A. Tune/Daily performance	Yes	No	N/A	2nd Level
1. Resolution </= 0.9 AMU full width at 10% peak height, and within +/- 0.1 AMU of true mass?	✓			✓
2. Performance check within recommended specifications? (Be>8000cps) (In >300,000 cps) (Pb >100,000 cps) (Co>100000) (Mg>10000) (CeO/Ce<0.03) (Ba++/Ba<0.03) (Background < 30cps @ Mass 220) CCT Performance Check (In > 75000) (Se< 20 cps)	✓			✓
B. Calibration/Instrument Run QC				
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels? Correlation coefficient > 0.995?	✓			✓
1. ICV/CCV analyzed at appropriate frequency and within control limits? (*ICV*: = 90 – 110%) (*CCV*: 90 – 110%, 200.8 = 85 -115%)	✓			✓
2. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
3. CRI run and recovered within QC limits (+/-50%) or project limits?	✓			✓
4. ICSA/ICSAB run at required frequency and within SOP control limits?	✓			✓
C. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Were the internal standards within acceptance criteria for all results reported?	✓			✓
4. Sample analyses done within holding time?	✓			✓
D. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
E. Other				
1. Are all nonconformance's documented appropriately?	✓			✓
2. Current IDL/LR data on file?	✓			✓
3. Calculations checked for error?	✓			✓
4. Transcriptions checked for error?	✓			✓
5. All client/project specific requirements met?	✓			✓
6. Date/time of analysis verified as correct?	✓			✓

Level I Analyst: Natalie J Toth Date: 11-26-12 Time: 09:28-01:13
Level I Analyst: Date: Time:

Level II Reviewer: Roger K. Toth Date: 11-26-12 Time: 09:28 - 01:13
Level II Reviewer: Date: Time:

Comments:

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Fisher\PlasmaLab\Templates\TEST AMERICA 6020 QSM DoD 4.2.tet
Created By User	martin.nash
Analyte Database	TA NORTH CANTON MULTIMODE.tea
Creation Timestamp	10/10/2007 09:08:48
Last Edited By	Upload
Last Edit Timestamp	11/26/2012 07:00:05
Instrument Detector	Simultaneous
Database Version	3,51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

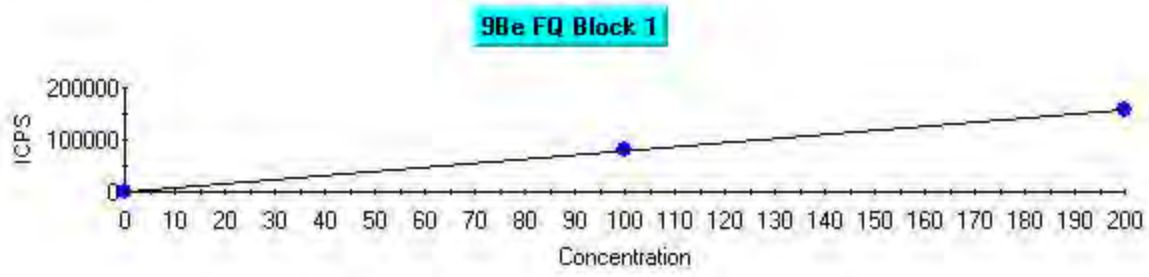
Column headings
- No flag
- Semi Quant
- Standard Addition
- Multi Element

Result cells
- Internal Standard
- Excluded
- QC Warning
- QC Failure

Transient TRA only:
- Peak Not Found
- Manually Edited
- Merged Peak

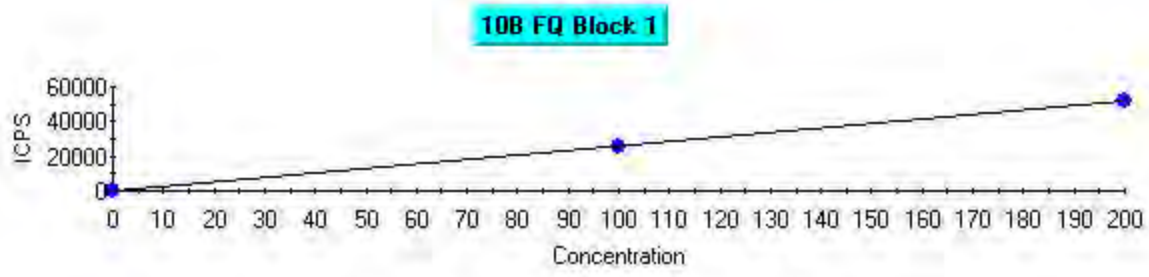
Data warning flags
I - Invalid calibration
T - Tripped
F - Interference correction failed
M - Result over max
V - Valley integration failed
D - Different method used

Fully Quant Calibration



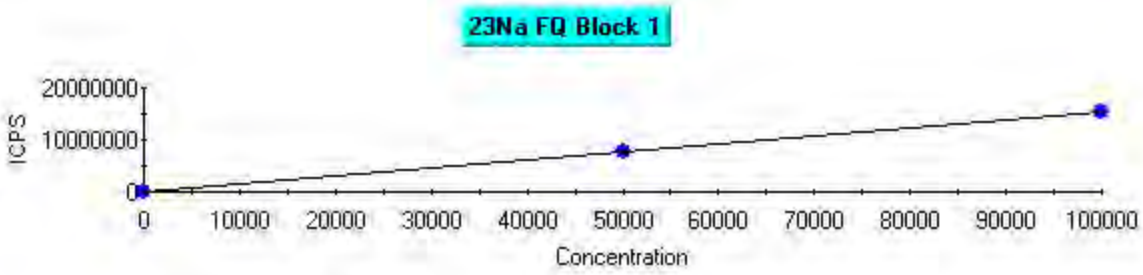
Intercept CPS=8.524257 Intercept Conc=0.010699
Sensitivity=796.744382 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	8.52	0.00
STD2-727016,	100.000	100.516	0.516	80094.47	0.52
STD3-664982,	200.000	199.742	0.258	159151.65	0.13



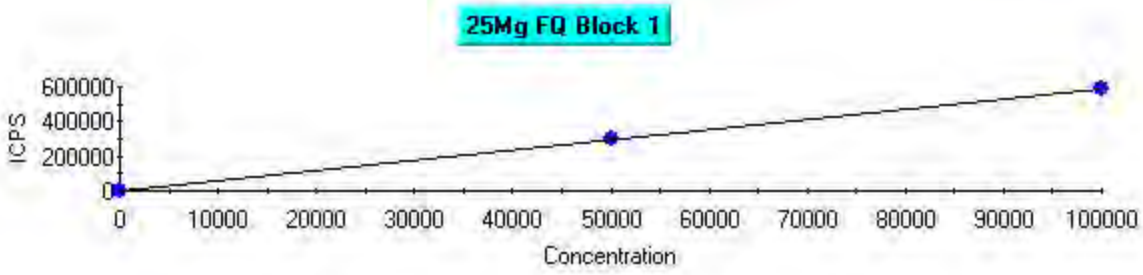
Intercept CPS=464.532816 Intercept Conc=1.803709
Sensitivity=257.543048 Correlation Coeff=0.999587

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	464.53	0.00
STD2-727016,	100.000	95.978	4.022	25182.91	4.02
STD4-664981,	200.000	202.011	2.011	52491.11	1.01



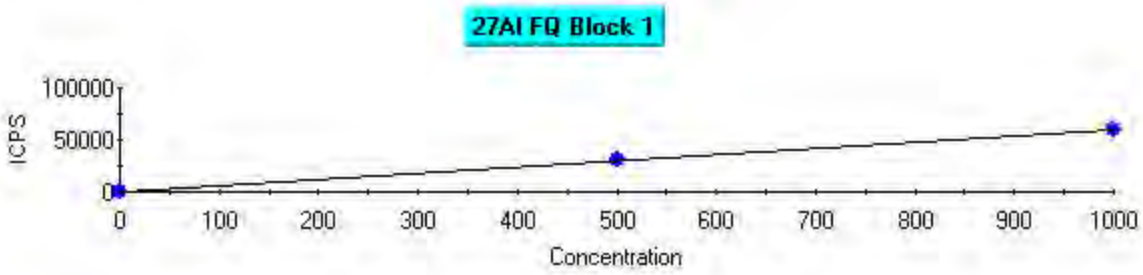
Intercept CPS=1323.449120 Intercept Conc=8.560799
Sensitivity=154.594108 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	1323.45	0.00
STD2-727016,	50000.000	50206.307	206.307	7762922.64	0.41
STD3-664982,	100000.000	99896.847	103.153	15444787.39	0.10



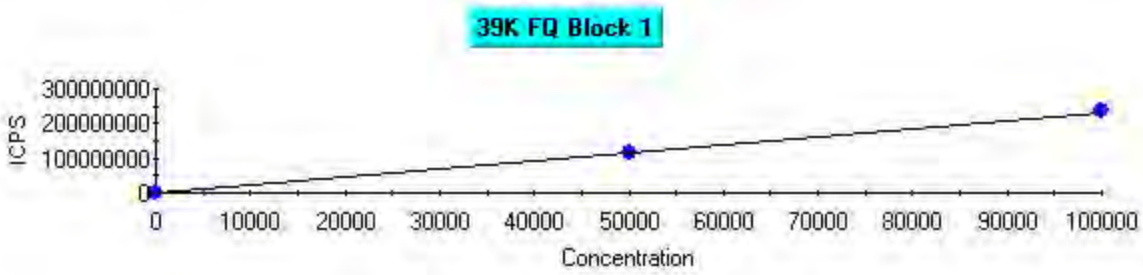
Intercept CPS=0.000000 Intercept Conc=0.000000
Sensitivity=5.929676 Correlation Coeff=0.999839

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	0.00	0.00
STD2-727016,	50000.000	51235.766	1235.766	303811.50	2.47
STD3-664982,	100000.000	99382.117	617.883	589303.76	0.62



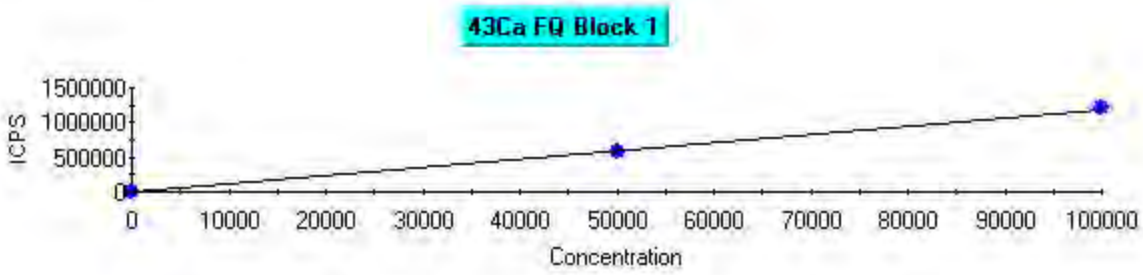
Intercept CPS=50.015592 Intercept Conc=0.837372
Sensitivity=59.729203 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	50.02	0.00
STD2-727016,	500.000	500.952	0.952	29971.50	0.19
STD3-664982,	1000.000	999.524	0.476	59750.78	0.05



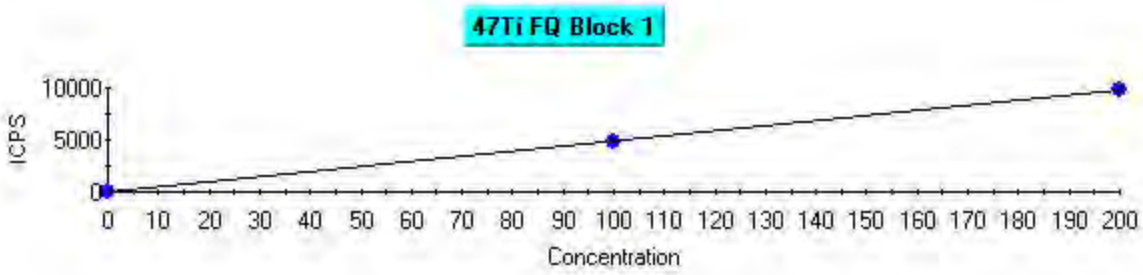
Intercept CPS=49087.270926 Intercept Conc=21.066638
Sensitivity=2330.095188 Correlation Coeff=0.999962

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	49087.27	0.00
STD2-727016,	50000.000	49393.089	606.911	115139686.05	1.21
STD3-664982,	100000.000	100303.456	303.456	233765686.34	0.30



Intercept CPS=280.166271 Intercept Conc=23.516290
Sensitivity=11.913711 Correlation Coeff=0.999766

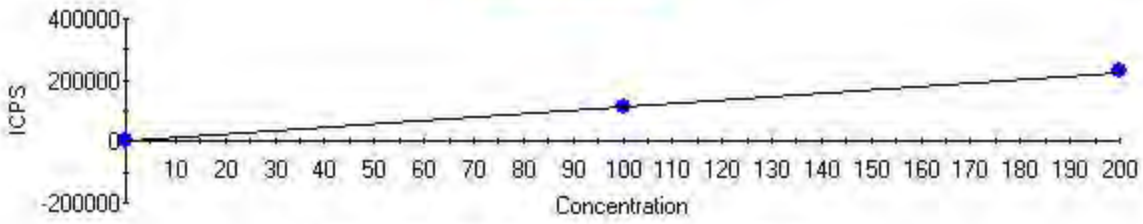
Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	280.17	0.00
STD2-727016,	50000.000	48490.503	1509.497	577981.99	3.02
STD3-664982,	100000.000	100754.748	754.748	1200643.07	0.75



Intercept CPS=2.222487 Intercept Conc=0.045631
Sensitivity=48.705492 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	2.22	0.00
STD2-727016,	100.000	99.621	0.379	4854.32	0.38
STD4-664981,	200.000	200.189	0.189	9752.55	0.09

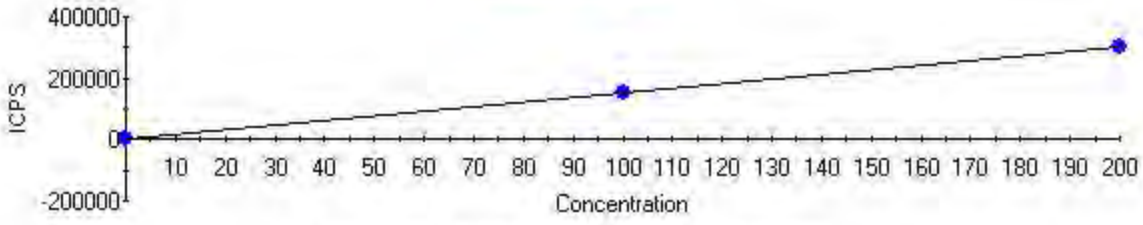
51V FQ Block 1



Intercept CPS=-306.282364 Intercept Conc=-0.270023
Sensitivity=1134.282933 Correlation Coeff=0.999967

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	-306.28	0.00
STD2-727016,	100.000	98.876	1.124	111847.54	1.12
STD3-664982,	200.000	200.562	0.562	227187.54	0.28

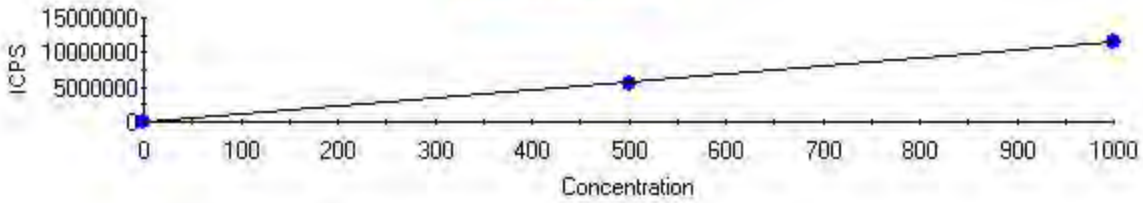
52Cr FQ Block 1



Intercept CPS=-816.567335 Intercept Conc=-0.538692
Sensitivity=1515.834652 Correlation Coeff=0.999990

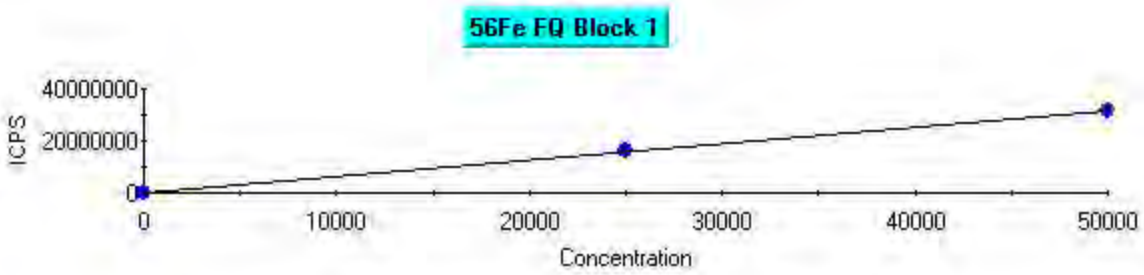
Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	-816.57	0.00
STD2-727016,	100.000	99.367	0.633	149807.94	0.63
STD3-664982,	200.000	200.316	0.316	302829.84	0.16

55Mn FQ Block 1



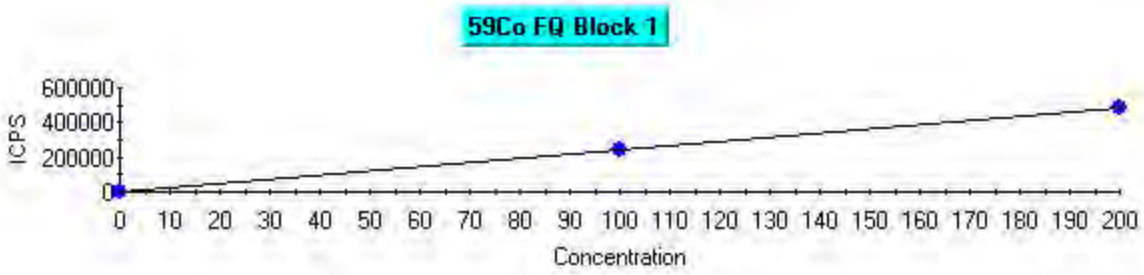
Intercept CPS=1447.095033 Intercept Conc=0.125425
Sensitivity=11537.565627 Correlation Coeff=0.999794

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	1447.10	0.00
STD2-727016,	500.000	485.848	14.152	5606948.65	2.83
STD3-664982,	1000.000	1007.076	7.076	11620653.35	0.71



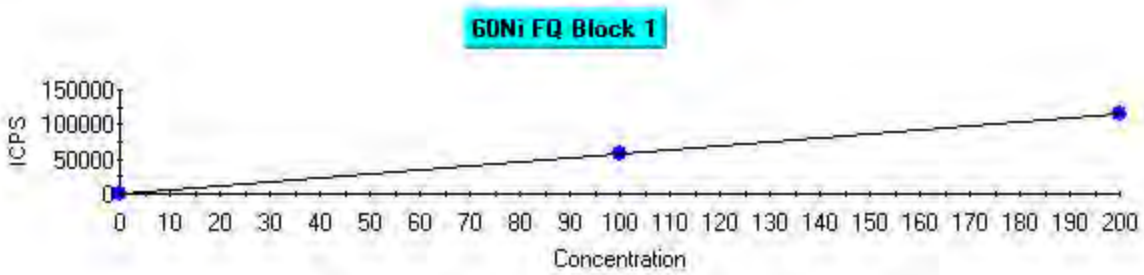
Intercept CPS=2214.459410 Intercept Conc=3.520584
Sensitivity=629.003471 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	2214.46	0.00
STD2-727016,	25000.000	25129.577	129.577	15808805.87	0.52
STD3-664982,	50000.000	49935.211	64.789	31411635.69	0.13



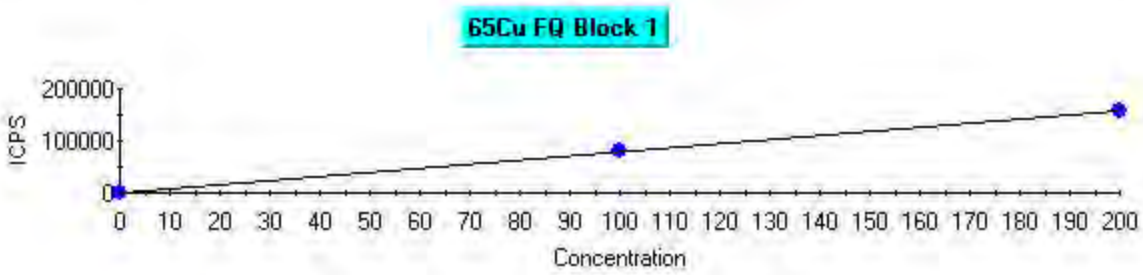
Intercept CPS=1.111997 Intercept Conc=0.000458
Sensitivity=2430.526430 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	1.11	0.00
STD2-727016,	100.000	99.201	0.799	241112.74	0.80
STD3-664982,	200.000	200.399	0.399	487076.90	0.20



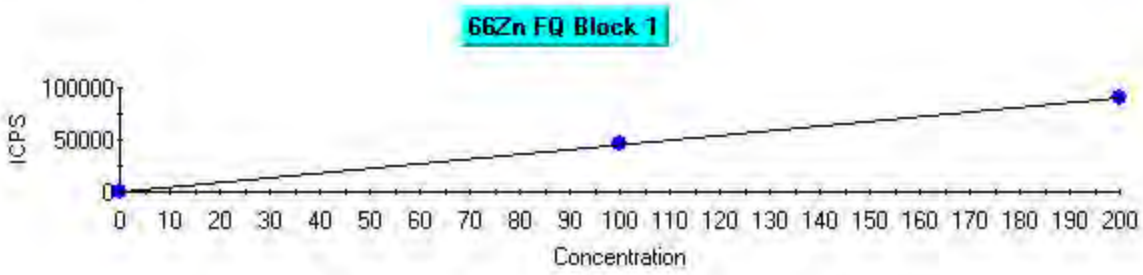
Intercept CPS=14.449967 Intercept Conc=0.025285
Sensitivity=571.492451 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	14.45	0.00
STD2-727016,	100.000	100.504	0.504	57451.70	0.50
STD3-664982,	200.000	199.748	0.252	114168.94	0.13



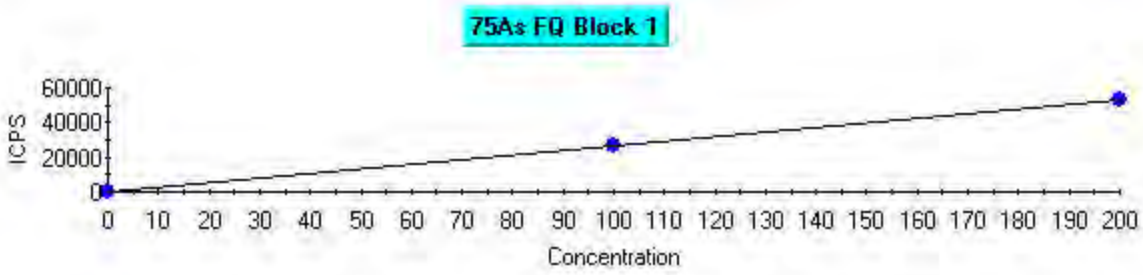
Intercept CPS=33.326521 Intercept Conc=0.042335
Sensitivity=787.208661 Correlation Coeff=0.999944

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	33.33	0.00
STD2-727016,	100.000	101.460	1.460	79903.46	1.46
STD3-664982,	200.000	199.270	0.730	156900.42	0.36



Intercept CPS=554.401353 Intercept Conc=1.231301
Sensitivity=450.256716 Correlation Coeff=0.999810

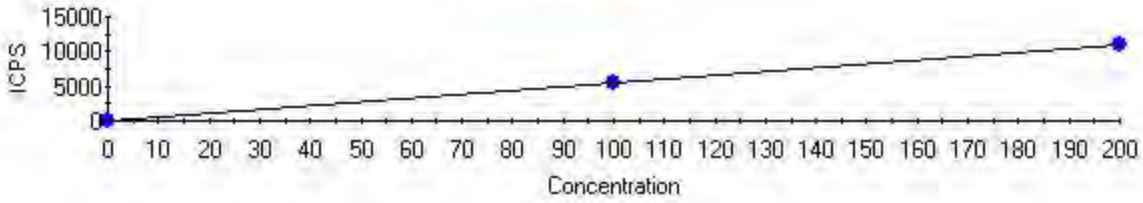
Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	554.40	0.00
STD2-727016,	100.000	102.682	2.682	46787.66	2.68
STD3-664982,	200.000	198.659	1.341	90001.95	0.67



Intercept CPS=488.195917 Intercept Conc=1.847894
Sensitivity=264.190417 Correlation Coeff=0.999974

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	488.20	0.00
STD2-727016,	100.000	98.993	1.007	26641.32	1.01
STD3-664982,	200.000	200.503	0.503	53459.24	0.25

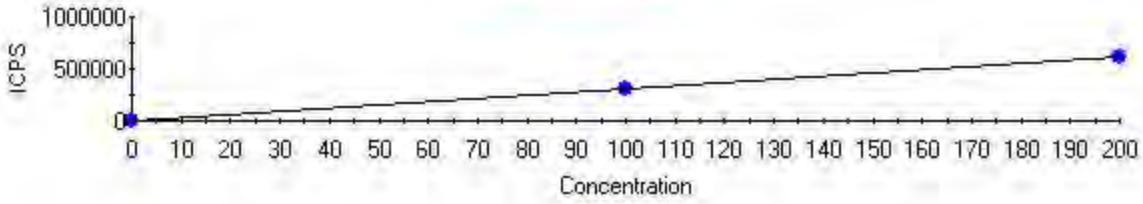
78Se FQ Block 1



Intercept CPS=11.763301 Intercept Conc=0.215661
Sensitivity=54.545316 Correlation Coeff=0.999979

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	11.76	0.00
STD2-727016,	100.000	100.902	0.902	5515.47	0.90
STD3-664982,	200.000	199.549	0.451	10896.24	0.23

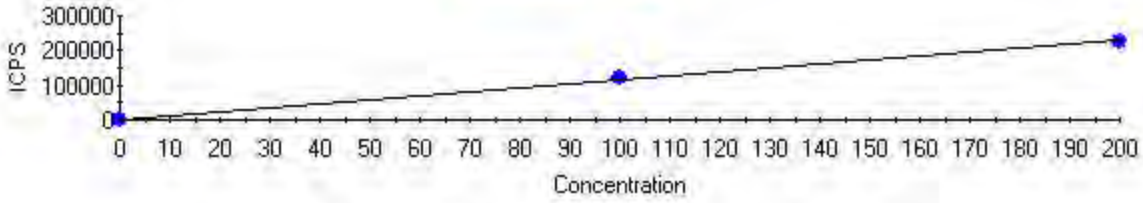
88Sr FQ Block 1



Intercept CPS=64.440849 Intercept Conc=0.021141
Sensitivity=3048.075964 Correlation Coeff=0.999939

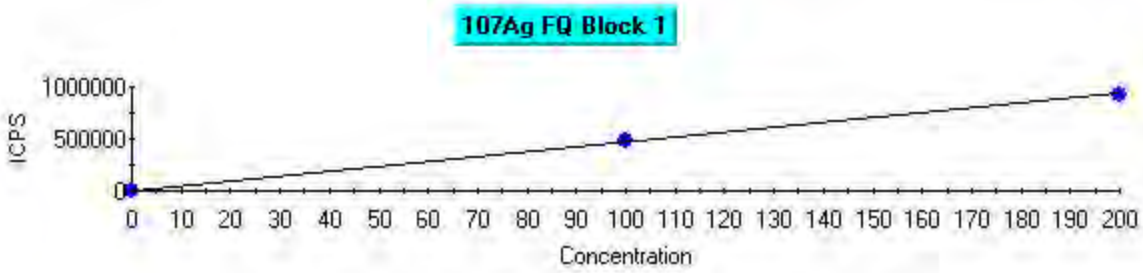
Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	64.44	0.00
STD2-727016,	100.000	98.462	1.538	300183.37	1.54
STD3-664982,	200.000	200.769	0.769	612023.97	0.38

95Mo FQ Block 1



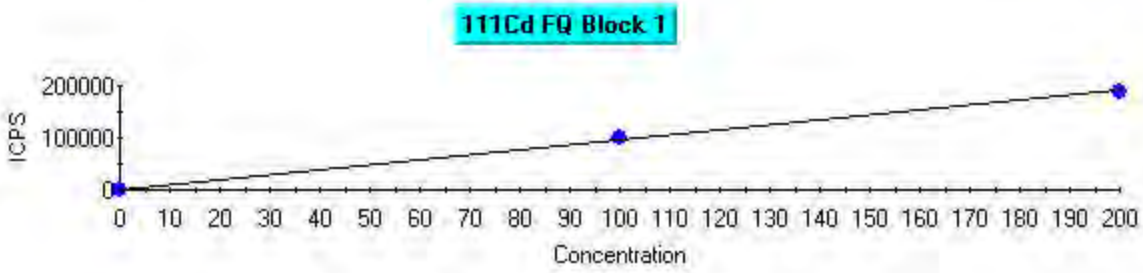
Intercept CPS=625.578500 Intercept Conc=0.545508
Sensitivity=1146.780605 Correlation Coeff=0.999442

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	625.58	0.00
STD2-727016,	100.000	104.576	4.576	120551.57	4.58
STD4-664981,	200.000	197.712	2.288	227357.73	1.14



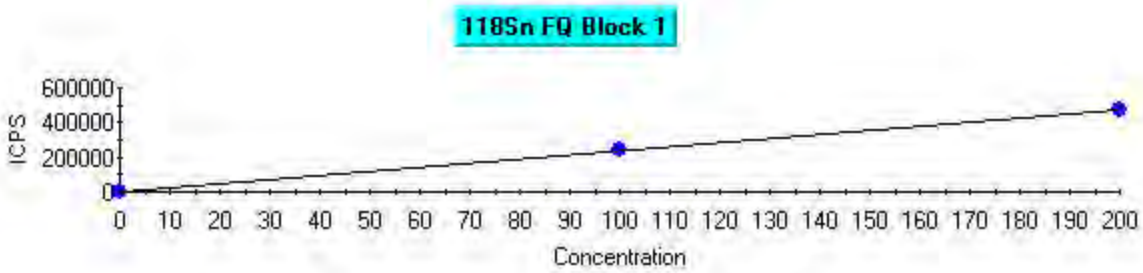
Intercept CPS=7.788744 Intercept Conc=0.001665
Sensitivity=4677.562500 Correlation Coeff=0.999830

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	7.79	0.00
STD2-727016,	100.000	102.541	2.541	479650.21	2.54
STD3-664982,	200.000	198.729	1.271	929577.20	0.64



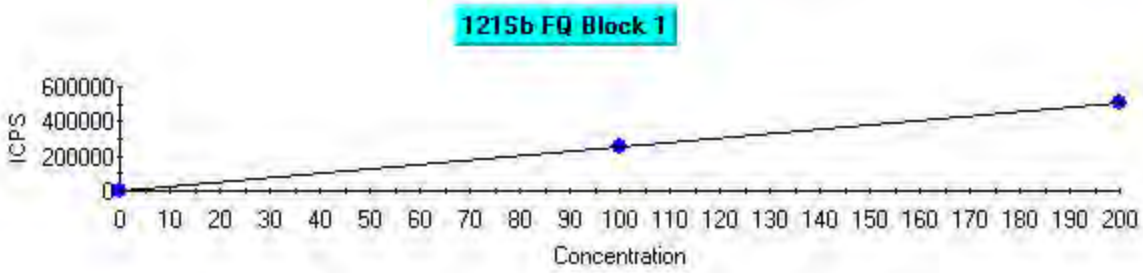
Intercept CPS=11.843653 Intercept Conc=0.012369
Sensitivity=957.525389 Correlation Coeff=0.999710

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	11.84	0.00
STD2-727016,	100.000	103.309	3.309	98932.66	3.31
STD3-664982,	200.000	198.346	1.654	189932.78	0.83



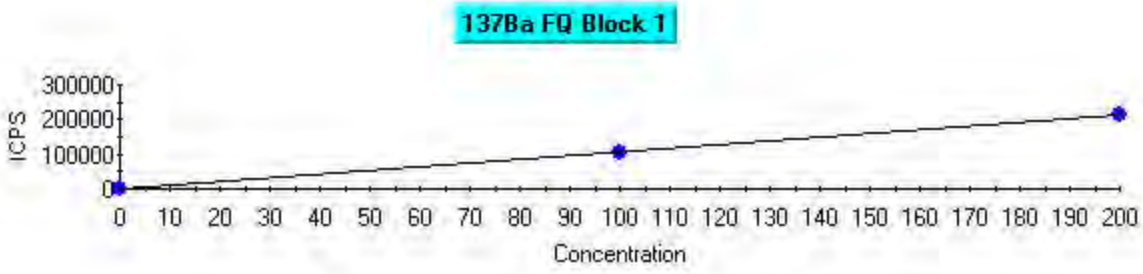
Intercept CPS=259.965633 Intercept Conc=0.110167
Sensitivity=2359.736433 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	259.97	0.00
STD2-727016,	100.000	100.164	0.164	236619.58	0.16
STD4-664981,	200.000	199.918	0.082	472014.27	0.04



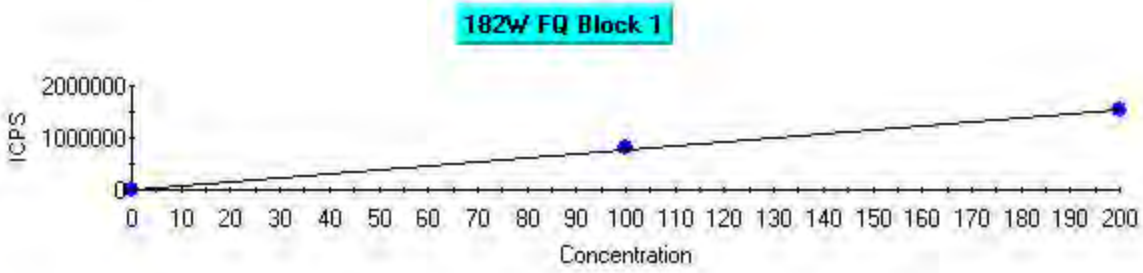
Intercept CPS=34.460279 Intercept Conc=0.013682
Sensitivity=2518.629719 Correlation Coeff=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	34.46	0.00
STD2-727016,	100.000	100.689	0.689	253633.70	0.69
STD4-664981,	200.000	199.655	0.345	502892.27	0.17



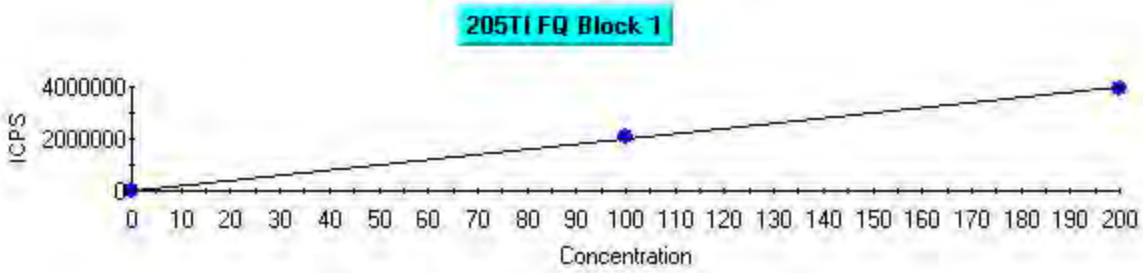
Intercept CPS=194.503009 Intercept Conc=0.182347
Sensitivity=1066.665488 Correlation Coeff=0.999977

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	194.50	0.00
STD2-727016,	100.000	99.062	0.938	105860.16	0.94
STD3-664982,	200.000	200.469	0.469	214028.05	0.23



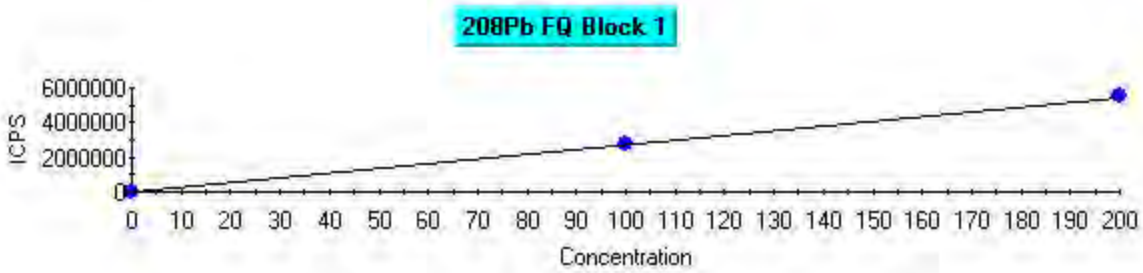
Intercept CPS=317.827802 Intercept Conc=0.040900
Sensitivity=7770.922289 Correlation Coeff=0.999598

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	317.83	0.00
STD2-727016,	100.000	103.891	3.891	807647.37	3.89
STD4-664981,	200.000	198.054	1.946	1539383.63	0.97



Intercept CPS=388.979563 Intercept Conc=0.019603
Sensitivity=19842.942729 Correlation Coeff=0.999655

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	388.98	0.00
STD2-727016,	100.000	103.607	3.607	2056262.06	3.61
STD3-664982,	200.000	198.196	1.804	3933188.12	0.90



Intercept CPS=660.996900 Intercept Conc=0.024154
Sensitivity=27366.093209 Correlation Coeff=0.999979

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	661.00	0.00
STD2-727016,	100.000	99.100	0.900	2712629.04	0.90
STD3-664982,	200.000	200.450	0.450	5486200.28	0.23

Dilution Corrected Concentrations

ICISM=6020 11/23/2012 09:28:34

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		100.000%	-0.000	0.000
%RSD		0.497	0.000	0.000
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		-0.000	0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	0.000	-0.000
%RSD		T 0.000	0.000	0.000
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 100.000%	100.000%	0.000
%RSD		T 1.511	0.376	0.000
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		-0.000	-0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		-0.000	0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.000	0.000	0.000
%RSD		0.000	0.000	0.000
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		100.000%	-0.000	0.000
%RSD		0.266	0.000	0.000
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.000	-0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.000	0.000
%RSD		0.000	0.000	0.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		-0.000	100.000%	0.000
%RSD		0.000	0.573	0.000
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		-0.000	-0.000	0.000
%RSD		0.000	0.000	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		100.000%	-0.000	-0.000
%RSD		0.355	0.000	0.000
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.000	100.000%	
%RSD		0.000	0.592	

STD2-727016, 11/23/2012 09:33:28

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		93.850%	100.500	95.980
%RSD		1.535	1.258	0.937
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 50210.000	51240.000	501.000
%RSD		T 0.370	0.508	0.947
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 49390.000	48490.000
%RSD		T 0.000	T 0.528	0.268
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		95.924%	95.231%	99.620
%RSD		0.296	0.252	1.743
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		98.880	99.370	10.700
%RSD		1.627	0.287	4.654
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 485.800	T 25130.000	99.200
%RSD		T 0.190	T 0.146	1.259
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		100.500	101.500	102.700
%RSD		0.709	0.555	0.335
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		92.221%	98.990	-0.780
%RSD		0.300	0.708	8.237
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		100.900	98.460	104.600
%RSD		0.525	0.954	0.823
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	102.500	39.190
%RSD		0.000	1.175	37.690
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		103.300	93.983%	100.200
%RSD		1.478	0.582	0.460
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		100.700	99.060	0.000
%RSD		0.312	0.545	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		95.760%	103.900	103.600
%RSD		0.319	0.579	0.204
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		99.100	89.427%	
%RSD		0.576	0.230	

STD3-664982, 11/23/2012 09:40:37

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		96.398%	M 199.700	0.763
%RSD		1.035	M 0.690	49.090
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 99900.000	99380.000	M 999.500
%RSD		TM 0.222	0.192	M 1.103
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	TM 100300.000	M 100800.000
%RSD		T 0.000	TM 2.329	M 2.054
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 98.543%	105.718%	0.127
%RSD		T 0.827	0.974	128.000
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 200.600	M 200.300	26.160
%RSD		M 0.225	M 0.276	0.264
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1007.000	TM 49940.000	M 200.400
%RSD		TM 1.797	TM 0.129	M 0.384
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 199.700	M 199.300	198.700
%RSD		M 0.239	M 1.056	0.467
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		99.180%	M 200.500	-0.892
%RSD		0.867	M 0.570	28.900
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 199.500	M 200.800	0.916
%RSD		M 0.660	M 0.764	10.000
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	198.700	97.250
%RSD		0.000	0.208	64.030
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		198.300	101.233%	0.127
%RSD		0.672	0.817	9.370
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.226	M 200.500	0.000
%RSD		9.630	M 0.149	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.502%	0.681	T 198.200
%RSD		0.308	11.040	T 0.385
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		M 200.500	88.120%	
%RSD		M 0.181	0.740	

STD4-664981, 11/23/2012 09:47:46

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		92.790%	0.115	M 202.000
%RSD		0.440	13.510	M 0.992
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		57.390	57.110	6.154
%RSD		3.102	6.546	8.042
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	56.390	56.990
%RSD		T 0.000	1.723	13.120
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		93.256%	94.181%	M 200.200
%RSD		0.548	0.251	M 2.009
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.249	0.223	-1.632
%RSD		84.550	15.960	32.150
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		1.021	40.920	0.101
%RSD		2.051	6.239	8.917
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.286	0.392	1.203
%RSD		18.430	9.304	9.237
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		94.571%	0.085	0.419
%RSD		0.206	162.900	11.110
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.111	0.186	197.700
%RSD		36.360	3.940	0.743
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.118	13.540
%RSD		0.000	12.830	12.710
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.060	95.086%	M 199.900
%RSD		84.040	0.339	M 0.165
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		199.700	0.191	0.000
%RSD		0.101	6.432	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		94.344%	198.100	0.579
%RSD		0.137	0.822	5.789
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.174	97.576%	
%RSD		1.648	0.227	

ICV-665060, 11/23/2012 09:52:41 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		93.401%	103.180%	99.413%
%RSD		0.285	1.118	2.047
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 102.167%	103.230%	103.391%
%RSD		T 0.484	0.353	0.396
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 99.959%	99.871%
%RSD		T 0.000	T 0.742	0.288
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		93.488%	96.836%	105.566%
%RSD		0.521	1.263	3.962
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		99.337%	100.278%	7.422
%RSD		1.245	0.838	23.880
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 101.273%	T 101.262%	99.835%
%RSD		T 0.375	T 0.252	0.181
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		101.202%	102.861%	108.109%
%RSD		1.000	1.022	1.862
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		93.309%	99.797%	-0.068
%RSD		1.235	0.262	246.900
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		102.683%	97.871%	105.551%
%RSD		0.928	0.655	1.921
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	104.665%	31.930
%RSD		0.000	0.589	120.900
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		104.202%	94.297%	100.225%
%RSD		1.925	0.138	0.453
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		103.057%	100.321%	0.000
%RSD		1.425	0.538	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		94.998%	107.378%	105.432%
%RSD		0.784	0.280	0.495
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		100.525%	89.565%	
%RSD		0.535	0.639	

ICB 11/23/2012 09:59:51 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.381%	0.002	0.798
%RSD		0.160	77.660	37.940
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		2.038	0.413	0.373
%RSD		27.460	86.600	24.390
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	2.009	15.400
%RSD		T 0.000	25.490	10.220
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		89.827%	90.660%	0.055
%RSD		0.629	0.370	78.550
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		-0.065	-0.028	-0.556
%RSD		119.900	125.600	19.660
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.059	5.637	0.002
%RSD		5.468	15.480	56.350
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.009	0.024	0.632
%RSD		146.800	73.040	20.020
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		89.875%	0.074	0.037
%RSD		0.524	90.200	47.810
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.038	0.011	0.653
%RSD		147.100	72.940	11.640
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.000	0.423
%RSD		0.000	111.400	197.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		-0.006	92.074%	0.101
%RSD		133.500	0.383	40.510
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.117	0.010	0.000
%RSD		7.157	153.600	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		92.122%	0.813	0.350
%RSD		0.146	7.939	4.759
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.022	94.578%	
%RSD		16.270	0.830	

CRI-751770, 11/23/2012 10:04:51 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.359%	98.619%	107.024%
%RSD		0.319	5.122	2.940
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		106.856%	104.982%	107.365%
%RSD		0.391	2.758	4.955
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	102.926%	99.035%
%RSD		T 0.000	0.264	0.329
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		87.224%	88.841%	101.633%
%RSD		0.357	0.654	9.328
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		99.964%	97.691%	-0.320
%RSD		2.917	1.051	54.930
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		106.735%	114.878%	102.421%
%RSD		0.978	0.769	3.388
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		104.165%	111.521%	106.922%
%RSD		6.145	1.496	2.949
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		86.979%	101.115%	-0.054
%RSD		1.157	9.504	65.160
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		101.392%	94.409%	99.307%
%RSD		6.040	0.527	0.571
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	110.242%	1.583
%RSD		0.000	1.770	261.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		101.470%	90.376%	98.232%
%RSD		7.864	0.026	0.429
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		101.796%	113.772%	0.000
%RSD		1.706	1.927	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		90.148%	100.695%	121.173%
%RSD		0.477	0.643	1.243
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		97.354%	92.699%	
%RSD		1.045	0.419	

ICSA-726956, 11/23/2012 10:09:51 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.627%	0.007	0.418
%RSD		0.621	38.660	39.030
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 51410.000	51640.000	M 50100.000
%RSD		T 0.256	0.984	M 0.452
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 50000.000	50380.000
%RSD		T 0.000	T 0.529	0.129
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		84.633%	91.216%	M 1042.000
%RSD		0.216	1.489	M 1.404
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.034	0.513	-0.282
%RSD		1291.000	3.698	343.700
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.082	TM 50610.000	0.089
%RSD		13.980	TM 0.706	18.540
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.345	0.321	0.870
%RSD		14.280	3.249	5.781
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.887%	0.353	-0.069
%RSD		0.994	17.340	27.840
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.036	0.167	M 985.500
%RSD		102.000	5.216	M 1.626
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.027	57.850
%RSD		0.000	55.910	3.375
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.079	92.163%	0.056
%RSD		71.510	1.206	14.570
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.195	0.043	0.000
%RSD		16.470	69.850	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		90.931%	0.490	0.189
%RSD		1.216	8.878	2.636
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.167	87.682%	
%RSD		0.125	1.680	

ICSAB-723527, 11/23/2012 10:18:04 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		91.897%	102.928%	99.336%
%RSD		0.704	0.803	1.572
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 103.398%	104.543%	M 101.082%
%RSD		T 1.474	1.190	M 0.912
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 100.080%	100.596%
%RSD		T 0.000	T 0.185	0.276
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		92.793%	95.402%	M 105.149%
%RSD		0.709	1.409	M 0.582
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		100.718%	101.433%	11.100
%RSD		0.601	0.433	18.040
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		107.158%	TM 101.687%	99.621%
%RSD		0.309	TM 0.679	1.200
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		99.670%	99.007%	103.701%
%RSD		1.271	1.252	0.912
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		94.868%	97.890%	-0.474
%RSD		1.174	0.533	14.930
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		100.409%	97.015%	M 1093.000
%RSD		0.146	0.288	M 1.108
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	101.897%	88.400
%RSD		0.000	0.486	37.690
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		101.502%	96.596%	101.606%
%RSD		0.948	0.763	0.916
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		100.438%	102.160%	0.000
%RSD		0.153	1.003	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		95.083%	104.284%	105.405%
%RSD		0.865	0.879	0.425
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		100.228%	91.761%	
%RSD		0.710	0.597	

CCV 11/23/2012 10:25:15 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		93.295%	102.503%	99.303%
%RSD		0.184	0.621	1.044
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		T 100.768%	101.095%	101.647%
%RSD		T 0.167	0.348	1.332
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	T 97.146%	98.014%
%RSD		T 0.000	T 0.567	0.376
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		95.804%	95.145%	102.558%
%RSD		0.420	0.207	5.406
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		98.454%	99.328%	10.610
%RSD		0.627	0.335	19.940
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		T 99.039%	T 100.107%	98.959%
%RSD		T 0.420	T 0.841	0.928
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		99.928%	100.690%	104.649%
%RSD		1.588	1.496	0.923
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		91.137%	99.517%	-0.752
%RSD		0.405	0.198	50.850
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		101.302%	98.744%	117.581%
%RSD		1.695	1.365	1.667
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	101.364%	78.010
%RSD		0.000	0.674	36.090
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		102.561%	93.591%	99.483%
%RSD		0.546	0.506	1.271
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		100.540%	99.632%	0.000
%RSD		1.175	0.303	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		94.993%	105.375%	103.981%
%RSD		0.838	0.700	0.642
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		98.860%	88.951%	
%RSD		0.393	0.434	

CCB 11/23/2012 10:32:24 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.410%	0.005	0.421
%RSD		0.542	43.930	53.680
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		2.808	1.640	0.725
%RSD		13.480	57.830	26.900
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	2.983	8.406
%RSD		T 0.000	18.120	65.140
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		89.903%	91.741%	0.128
%RSD		0.740	0.888	87.850
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.133	-0.060	-1.297
%RSD		206.100	75.990	53.060
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.087	7.805	0.007
%RSD		8.080	18.310	34.750
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		-0.002	0.010	0.331
%RSD		874.200	135.000	46.370
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		90.575%	-0.012	0.041
%RSD		0.488	873.600	141.500
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.044	0.012	3.071
%RSD		224.400	53.910	8.260
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.003	0.722
%RSD		0.000	90.100	86.260
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.004	92.906%	0.107
%RSD		349.400	0.408	32.180
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.177	-0.002	0.000
%RSD		3.016	528.100	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		92.614%	0.904	0.391
%RSD		0.412	9.497	7.637
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.023	95.799%	
%RSD		9.992	0.174	

2XLCS 11/23/2012 10:37:30 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.804%	M 2092.000	M 200.000
%RSD		0.459	M 0.623	M 0.590
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		21230.000	20990.000	M 20470.000
%RSD		0.497	0.617	M 0.076
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 20060.000	19630.000
%RSD		T 0.000	T 0.370	0.885
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		83.453%	89.705%	M 208.500
%RSD		0.533	1.168	M 0.983
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 1973.000	M 2018.000	265.300
%RSD		M 0.122	M 0.124	1.027
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2055.000	T 20490.000	TM 1867.000
%RSD		TM 0.422	T 0.275	TM 0.238
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 1968.000	M 2034.000	M 2136.000
%RSD		M 0.374	M 0.316	M 0.627
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.223%	M 1985.000	-13.920
%RSD		0.965	M 0.261	4.721
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 2051.000	TM 1812.000	196.800
%RSD		M 0.223	TM 0.256	1.855
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	M 208.600	1295.000
%RSD		0.000	M 0.334	10.070
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 2090.000	91.033%	M 202.900
%RSD		M 0.227	0.635	M 0.333
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		M 203.400	M 2015.000	0.000
%RSD		M 0.384	M 0.378	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		92.106%	M 201.700	TM 478.700
%RSD		0.734	M 0.932	TM 0.679
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1838.000	91.170%	
%RSD		TM 0.251	0.473	

BLANK 11/23/2012 10:45:41 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.154%	0.045	0.791
%RSD		0.621	17.140	34.780
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		0.851	1.048	-0.109
%RSD		16.930	34.710	173.600
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	7.179	23.310
%RSD		T 0.000	9.308	18.280
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		86.831%	89.424%	0.235
%RSD		0.712	0.100	18.820
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.030	-0.058	-1.531
%RSD		164.700	72.110	14.420
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.032	4.235	0.006
%RSD		27.270	26.170	97.360
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.023	0.082	0.969
%RSD		168.500	36.200	26.750
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.818%	0.112	0.043
%RSD		1.073	76.660	113.000
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.379	0.009	2.028
%RSD		23.540	55.300	13.120
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.004	-0.107
%RSD		0.000	13.000	640.300
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.008	90.506%	0.277
%RSD		103.700	0.125	17.200
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.580	0.018	0.000
%RSD		14.130	178.600	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		91.271%	1.956	0.821
%RSD		0.343	12.390	9.527
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.037	94.633%	
%RSD		3.381	0.216	

10000 PPB 11/23/2012 10:51:13 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.713%	TM 9923.000	M 9642.000
%RSD		0.249	TM 0.384	M 0.238
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2.113	0.627	2.319
%RSD		5.196	173.200	12.120
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	15.530	-2623.000
%RSD		T 0.000	3.418	0.358
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		86.261%	90.168%	0.157
%RSD		0.386	0.508	111.800
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		TM 8559.000	TM 9053.000	1789.000
%RSD		TM 0.149	TM 0.007	2.086
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 9785.000	3.060	TM 8930.000
%RSD		TM 0.058	13.630	TM 0.151
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		TM 9059.000	TM 9193.000	TM 9794.000
%RSD		TM 0.576	TM 0.503	TM 0.301
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.612%	M 9221.000	-69.310
%RSD		0.320	M 0.210	2.694
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 9974.000	TM 8612.000	0.512
%RSD		M 0.346	TM 0.140	3.935
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.040	5582.000
%RSD		0.000	8.956	13.850
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		TM 9205.000	94.950%	0.059
%RSD		TM 0.285	0.315	25.940
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.319	TM 8761.000	0.000
%RSD		2.054	TM 0.025	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		95.250%	0.611	TM 8913.000
%RSD		0.359	3.748	TM 0.380
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 8435.000	99.399%	
%RSD		TM 0.196	0.454	

BLANK 11/23/2012 10:58:25 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.318%	0.539	43.420
%RSD		0.568	5.884	3.445
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		3.195	4.184	2.055
%RSD		10.600	85.000	31.800
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	12.470	37.970
%RSD		T 0.000	1.017	7.415
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		88.265%	89.334%	0.082
%RSD		0.162	0.581	54.250
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.748	0.108	-1.963
%RSD		12.120	25.590	11.310
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.407	3.101	0.229
%RSD		1.621	9.868	14.580
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.206	0.417	1.416
%RSD		23.340	8.327	15.990
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.379%	0.743	0.050
%RSD		0.302	34.660	132.700
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.205	0.198	0.302
%RSD		21.340	5.821	6.279
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.021	0.560
%RSD		0.000	20.950	88.250
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.234	90.110%	0.047
%RSD		4.165	0.033	35.290
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.145	0.220	0.000
%RSD		12.670	27.590	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		90.726%	0.382	0.419
%RSD		0.310	8.384	1.367
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.264	93.571%	
%RSD		4.863	0.364	

AL FE 500 PPM 11/23/2012 11:04:20 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		116.556%	0.139	20.790
%RSD		0.865	3.970	2.616
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9.345	1.556	TM 521900.000
%RSD		9.220	46.000	TM 0.043
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	8.925	413.700
%RSD		T 0.000	5.305	0.709
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 114.224%	120.608%	0.479
%RSD		T 1.792	1.760	22.740
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.072	4.732	0.493
%RSD		147.800	1.248	34.850
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		7.835	TM 531500.000	8.034
%RSD		1.165	TM 0.438	0.805
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		6.848	0.780	3.324
%RSD		1.407	9.129	4.058
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		133.627%	0.847	0.126
%RSD		2.158	6.665	40.380
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.414	0.025	0.724
%RSD		10.040	21.620	2.592
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.030	0.798
%RSD		0.000	10.750	141.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.020	126.106%	0.294
%RSD		66.040	1.247	7.293
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.611	0.071	0.000
%RSD		5.793	26.580	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		93.282%	0.307	1.483
%RSD		1.840	3.578	1.455
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.187	93.412%	
%RSD		3.983	1.474	

SALTS 500 PPM 11/23/2012 11:09:19 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		130.023%	0.107	12.520
%RSD		0.700	5.859	3.566
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 478400.000	TM 446600.000	25.470
%RSD		TM 0.243	TM 0.326	10.170
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	TM 478200.000	TM 469700.000
%RSD		T 0.000	TM 0.196	TM 0.141
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 159.761%	144.761%	19.380
%RSD		T 1.368	0.884	9.293
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.184	0.782	0.077
%RSD		71.000	6.428	626.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		17.750	-163.900	0.333
%RSD		0.605	5.202	3.963
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.567	1.673	1.750
%RSD		4.320	7.424	3.701
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		120.526%	1.537	0.211
%RSD		1.511	0.774	49.810
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.243	3.140	0.029
%RSD		13.590	1.899	92.710
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.080	-1.583
%RSD		0.000	11.290	349.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.434	118.583%	0.837
%RSD		1.474	0.885	2.052
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.105	34.180	0.000
%RSD		4.219	0.911	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		109.671%	0.195	0.252
%RSD		0.921	4.586	4.324
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.596	81.312%	
%RSD		0.314	1.373	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		133.523%	4.222	14.590
%RSD		0.351	2.737	3.297
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		17.090	12.880	5.291
%RSD		6.845	5.029	3.421
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	32.990	39.160
%RSD		T 0.000	2.855	7.905
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 130.652%	117.776%	0.052
%RSD		T 0.321	1.391	132.200
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		2.620	2.306	2.366
%RSD		4.914	6.915	10.510
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		4.355	10.320	2.453
%RSD		4.030	0.861	5.236
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.442	2.612	3.383
%RSD		4.294	6.641	7.810
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		115.049%	2.713	0.053
%RSD		1.058	5.785	20.920
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.684	2.380	-0.085
%RSD		1.782	3.642	62.060
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.024	4.859
%RSD		0.000	12.460	121.100
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.531	112.431%	0.018
%RSD		0.642	1.340	27.010
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.086	2.401	0.000
%RSD		6.041	4.735	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.605%	0.150	2.821
%RSD		1.132	5.112	2.606
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		2.517	108.697%	
%RSD		3.356	1.107	

CCV 11/23/2012 11:21:12 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		112.615%	104.204%	107.006%
%RSD		0.469	0.569	0.260
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬ 102.978%	103.321%	103.713%
%RSD		┬0.275	0.270	0.382
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		┬0.000	┬ 102.405%	98.424%
%RSD		┬0.000	┬0.563	0.273
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬ 110.841%	109.979%	101.362%
%RSD		┬1.085	0.288	2.845
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		100.874%	99.617%	9.677
%RSD		0.566	0.459	5.138
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬ 100.908%	┬ 103.668%	100.228%
%RSD		┬0.128	┬0.202	0.885
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		101.360%	102.003%	103.990%
%RSD		0.907	0.850	1.206
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		104.697%	101.857%	-0.858
%RSD		0.895	0.423	36.610
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		102.834%	99.661%	105.137%
%RSD		1.814	1.244	0.840
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	103.049%	66.380
%RSD		0.000	0.592	59.140
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		103.121%	103.354%	101.679%
%RSD		0.611	0.892	1.015
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		102.411%	102.521%	0.000
%RSD		0.435	0.499	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		101.663%	103.778%	103.209%
%RSD		0.571	0.564	0.486
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		100.081%	93.429%	
%RSD		0.201	0.359	

CCB 11/23/2012 11:28:22 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		108.104%	0.066	7.566
%RSD		0.696	6.567	10.770
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		7.781	9.211	1.149
%RSD		13.200	56.980	13.200
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	9.193	17.370
%RSD		T 0.000	7.889	16.020
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 107.372%	103.953%	0.175
%RSD		T 0.209	0.508	95.360
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.005	-0.095	0.009
%RSD		3759.000	26.480	4994.000
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.131	9.549	0.019
%RSD		8.045	13.210	29.080
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.024	0.071	0.646
%RSD		49.480	44.460	13.140
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		101.809%	0.041	0.083
%RSD		0.144	62.050	22.590
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.052	0.030	0.445
%RSD		72.070	50.230	26.630
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.011	0.119
%RSD		0.000	34.230	404.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.008	100.978%	0.093
%RSD		80.660	0.362	41.940
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.140	0.000	0.000
%RSD		27.230	10630.000	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		98.459%	0.723	0.398
%RSD		0.452	10.770	3.240
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.037	100.070%	
%RSD		7.625	0.439	

QSM HIGH 11/23/2012 11:33:36 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.103%	0.235	6.753
%RSD		0.993	7.911	3.866
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		17.420	8.180	TM 307700.000
%RSD		1.388	27.050	TM 0.121
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	15.420	M 313600.000
%RSD		T 0.000	2.828	M 0.385
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		78.699%	75.570%	1.189
%RSD		0.277	0.274	17.360
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		TM 4830.000	TM 4985.000	917.200
%RSD		TM 0.362	TM 0.512	4.167
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5476.000	TM 323700.000	TM 4772.000
%RSD		TM 0.043	TM 0.617	TM 0.746
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 4785.000	M 4522.000	M 4662.000
%RSD		M 0.878	M 0.853	M 0.462
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		78.247%	M 4616.000	0.075
%RSD		0.548	M 0.178	7.973
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.277	2.006	0.291
%RSD		53.000	3.119	20.540
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.047	-1.201
%RSD		0.000	16.550	565.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.341	83.346%	0.202
%RSD		6.521	0.782	25.310
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.959	TM 4970.000	0.000
%RSD		4.979	TM 0.256	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		74.544%	0.379	0.342
%RSD		0.993	3.034	3.064
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 4773.000	77.745%	
%RSD		TM 0.282	0.627	

Ti 10000 PPB 11/23/2012 11:38:45 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		94.438%	0.034	5.986
%RSD		0.641	32.660	4.443
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		3.343	3.948	7.190
%RSD		34.240	34.980	11.870
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	16.090	61.770
%RSD		T 0.000	2.853	5.772
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		94.359%	95.018%	M 10170.000
%RSD		0.680	0.672	M 1.238
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.362	-0.043	-1.063
%RSD		22.390	126.300	63.880
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.242	21.710	0.122
%RSD		6.453	25.880	10.570
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.159	0.897	3.182
%RSD		24.670	9.399	6.775
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		96.555%	0.958	0.021
%RSD		0.612	18.750	241.500
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.027	0.013	-0.152
%RSD		264.900	68.930	33.800
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.000	1.804
%RSD		0.000	2052.000	70.820
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.003	96.832%	0.035
%RSD		182.400	0.479	47.170
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.059	0.135	0.000
%RSD		6.755	10.570	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.376%	0.185	0.155
%RSD		0.771	12.170	5.983
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.186	99.950%	
%RSD		8.674	0.427	

SN 10000PPB 11/23/2012 11:43:44 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		93.659%	0.036	5.085
%RSD		0.711	22.650	10.720
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2.702	0.765	2.226
%RSD		15.370	42.910	39.760
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	76.800	104.100
%RSD		T 0.000	1.645	7.486
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		96.913%	97.832%	6.598
%RSD		0.723	0.384	20.200
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.113	-0.078	-1.819
%RSD		185.400	39.000	30.350
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.215	4.023	0.141
%RSD		1.914	17.370	11.110
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.666	0.101	2.442
%RSD		11.440	11.630	4.914
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		98.962%	0.441	0.081
%RSD		0.767	13.350	69.630
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.104	0.027	-0.258
%RSD		19.270	50.360	6.462
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	-0.902
%RSD		0.000	141.400	107.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.007	95.427%	TM 9873.000
%RSD		135.100	0.460	TM 0.087
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		4.373	0.258	0.000
%RSD		0.964	6.167	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.902%	0.167	0.122
%RSD		0.407	10.980	5.235
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.093	102.017%	
%RSD		12.520	0.874	

CCV 1 11/23/2012 11:48:43 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		91.411%	102.733%	101.968%
%RSD		0.175	0.519	1.502
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 103.631%	103.497%	101.495%
%RSD		┬ 0.897	0.098	1.475
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		┬ 0.000	┬ 102.133%	97.635%
%RSD		┬ 0.000	┬ 0.557	0.039
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		91.829%	89.840%	103.399%
%RSD		0.572	0.443	2.932
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		98.281%	99.465%	11.160
%RSD		1.194	0.797	10.050
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 100.452%	┬ 104.267%	99.458%
%RSD		┬ 0.260	┬ 0.454	1.249
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		100.115%	100.438%	103.395%
%RSD		1.024	1.111	1.164
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		86.913%	98.955%	-0.813
%RSD		1.247	0.698	65.390
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		101.409%	98.920%	104.639%
%RSD		1.421	0.572	0.771
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	103.311%	92.340
%RSD		0.000	0.578	31.880
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		104.598%	88.565%	121.312%
%RSD		0.516	0.468	3.278
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		102.382%	100.570%	0.000
%RSD		1.114	0.482	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		92.849%	104.881%	103.763%
%RSD		0.397	0.181	0.294
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		101.304%	86.660%	
%RSD		0.259	0.170	

CCB 1 11/23/2012 11:55:52 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.040%	0.054	4.392
%RSD		0.493	17.490	14.920
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		13.800	10.450	2.439
%RSD		3.992	27.100	23.580
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	15.350	23.580
%RSD		T 0.000	6.957	9.494
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		89.451%	89.691%	0.234
%RSD		0.383	0.098	18.780
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		-0.013	-0.090	-1.479
%RSD		1118.000	10.130	59.590
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.206	12.350	0.036
%RSD		8.105	10.290	19.540
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.014	0.083	0.643
%RSD		124.500	24.110	36.260
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		89.172%	0.145	0.048
%RSD		0.479	70.500	21.860
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.053	0.048	0.296
%RSD		139.300	23.820	29.790
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.019	0.919
%RSD		0.000	34.290	45.860
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.027	90.432%	5.004
%RSD		44.140	0.421	7.781
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.136	0.017	0.000
%RSD		15.200	149.400	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		92.503%	0.654	0.376
%RSD		0.102	8.746	6.284
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.060	94.973%	
%RSD		7.095	0.225	

240-17230 -a-6-k@5, 11/23/2012 12:02:38 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.429%	1.773	12.810
%RSD		0.775	0.605	1.396
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		137.600	6626.000	M 23300.000
%RSD		1.319	0.320	M 0.759
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 2216.000	15940.000
%RSD		T 0.000	T 0.703	0.750
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		90.881%	93.747%	155.700
%RSD		0.648	0.955	1.717
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		35.080	79.300	8.480
%RSD		1.773	0.092	24.030
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1123.000	TM 55200.000	19.980
%RSD		TM 0.056	TM 0.404	0.261
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		71.750	56.020	M 280.400
%RSD		1.043	1.150	M 0.779
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		92.101%	43.540	0.227
%RSD		0.809	0.646	31.920
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.458	52.080	6.619
%RSD		9.111	0.733	3.889
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.075	-14.440
%RSD		0.000	11.030	23.010
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.108	93.783%	6.624
%RSD		3.034	0.570	0.184
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		3.502	167.100	0.000
%RSD		4.440	0.287	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.842%	3.539	0.616
%RSD		1.175	0.304	2.962
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		153.000	95.275%	
%RSD		0.757	0.632	

SD 240-17230 -a-6-k@25, 11/23/2012 12:07:31 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.863%	0.389	5.466
%RSD		0.204	6.049	2.874
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		30.180	1397.000	M 4872.000
%RSD		4.085	1.322	M 0.298
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	496.500	3315.000
%RSD		T 0.000	0.029	1.218
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		93.843%	94.574%	31.030
%RSD		0.463	0.284	2.848
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		7.437	16.440	0.241
%RSD		5.166	2.052	403.400
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		238.600	T 11560.000	4.194
%RSD		0.325	T 0.313	0.852
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		15.090	11.780	60.650
%RSD		1.863	1.927	0.890
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		93.254%	9.228	0.093
%RSD		0.653	1.447	70.090
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.586	10.860	1.243
%RSD		19.850	0.806	3.149
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.017	-1.698
%RSD		0.000	15.660	207.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.244	94.868%	3.150
%RSD		11.870	0.571	2.645
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.749	34.600	0.000
%RSD		4.438	1.569	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		97.418%	0.885	0.230
%RSD		0.502	1.324	4.531
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		31.550	98.366%	
%RSD		0.314	0.231	

240-17230 -a-6-aa du@5, 11/23/2012 12:12:26 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.879%	1.673	12.250
%RSD		0.745	2.165	3.647
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		138.300	6490.000	M 22700.000
%RSD		0.536	1.325	M 0.582
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 2194.000	13850.000
%RSD		T 0.000	T 0.582	1.262
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		94.695%	95.260%	167.900
%RSD		0.506	0.553	2.634
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		34.850	122.000	10.780
%RSD		1.778	0.378	14.740
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1075.000	TM 55970.000	20.780
%RSD		TM 0.657	TM 0.423	0.867
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		74.830	67.670	M 265.200
%RSD		1.272	1.159	M 0.332
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		94.156%	45.060	0.193
%RSD		0.702	0.170	72.700
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.512	42.270	7.116
%RSD		4.861	0.634	2.753
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.075	-10.500
%RSD		0.000	4.967	49.830
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.671	94.906%	36.180
%RSD		3.251	0.704	0.363
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		3.238	159.800	0.000
%RSD		1.605	0.428	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.151%	3.142	0.593
%RSD		1.009	2.185	3.187
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 429.100	92.730%	
%RSD		TM 1.073	0.885	

240-17230 -a-6-q ms@5, 11/23/2012 12:17:20 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.587%	22.520	32.060
%RSD		0.268	0.428	2.282
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2160.000	8995.000	M 30810.000
%RSD		0.706	0.600	M 0.546
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 5180.000	16460.000
%RSD		T 0.000	T 0.521	0.608
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		96.286%	96.798%	M 201.000
%RSD		0.538	0.213	M 1.530
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		63.820	96.260	7.501
%RSD		0.810	0.387	14.610
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1186.000	TM 61230.000	40.160
%RSD		TM 0.104	TM 0.222	0.496
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		92.570	76.140	M 311.200
%RSD		1.924	0.652	M 0.381
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		95.356%	64.140	0.207
%RSD		1.241	0.731	11.630
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		21.520	70.240	23.740
%RSD		2.275	0.876	1.985
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	20.270	-13.900
%RSD		0.000	1.379	275.300
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		20.930	96.424%	21.840
%RSD		0.470	0.980	1.242
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		7.721	198.700	0.000
%RSD		1.101	0.537	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.164%	13.740	18.810
%RSD		0.516	1.444	0.617
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		160.600	96.369%	
%RSD		0.730	0.562	

PDS 240-17230 -a-6-k@5, 11/23/2012 12:22:48 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.413%	M 1060.000	114.200
%RSD		0.244	M 0.408	0.792
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		10880.000	17070.000	M 32460.000
%RSD		0.500	0.831	M 0.581
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 12750.000	25170.000
%RSD		T 0.000	T 0.595	0.614
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		90.480%	90.983%	M 258.700
%RSD		0.161	0.396	M 2.545
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 1020.000	M 1084.000	129.600
%RSD		M 0.413	M 0.692	5.024
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2107.000	TM 64040.000	M 1010.000
%RSD		TM 0.230	TM 1.018	M 0.673
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 1075.000	M 1075.000	M 1311.000
%RSD		M 0.802	M 0.204	M 0.342
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.137%	M 1028.000	-6.382
%RSD		0.741	M 0.458	8.372
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 1013.000	M 1014.000	110.500
%RSD		M 0.805	M 0.289	0.234
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	109.700	634.000
%RSD		0.000	0.451	15.130
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 1065.000	90.558%	110.900
%RSD		M 0.975	0.111	0.855
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		104.900	M 1179.000	0.000
%RSD		1.460	M 0.682	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		96.448%	106.700	TM 245.500
%RSD		0.627	1.287	TM 0.466
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1106.000	91.997%	
%RSD		TM 0.131	0.258	

240-17230 -a-3-b@5, 11/23/2012 12:28:34 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		81.661%	2.255	19.660
%RSD		0.899	2.791	1.588
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		309.200	9857.000	M 20580.000
%RSD		2.068	0.572	M 0.567
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 1692.000	67900.000
%RSD		T 0.000	T 0.877	0.495
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		85.236%	85.505%	M 236.300
%RSD		0.342	0.254	M 1.065
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		25.910	57.170	5.304
%RSD		0.313	0.400	12.450
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1964.000	T 42230.000	16.060
%RSD		TM 0.038	T 0.317	0.722
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		65.190	50.250	189.900
%RSD		0.743	1.098	0.469
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		83.708%	25.080	0.187
%RSD		0.103	0.676	59.820
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.943	148.700	5.128
%RSD		10.090	0.340	1.475
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.077	-15.410
%RSD		0.000	1.116	29.420
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.664	86.539%	5.102
%RSD		3.253	0.275	1.472
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.838	M 205.000	0.000
%RSD		9.152	M 0.672	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		93.312%	1.532	0.509
%RSD		0.551	11.750	3.666
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		99.870	89.050%	
%RSD		0.598	0.384	

240-17317 -a-1-c@5, 11/23/2012 12:33:30 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.923%	1.593	9.585
%RSD		0.387	4.589	3.062
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		112.700	5528.000	M 20610.000
%RSD		1.098	0.986	M 0.278
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 1524.000	10030.000
%RSD		T 0.000	T 0.127	0.380
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		95.503%	98.150%	179.000
%RSD		0.430	0.715	1.293
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		33.090	39.050	1.581
%RSD		1.872	0.939	112.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1056.000	T 47890.000	16.750
%RSD		TM 0.234	T 0.588	1.324
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		53.870	45.980	155.000
%RSD		1.655	0.715	0.150
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		96.420%	35.390	0.296
%RSD		0.280	0.905	30.810
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.850	37.480	2.492
%RSD		9.889	1.119	3.237
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.109	-18.080
%RSD		0.000	5.842	10.450
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.806	97.130%	6.329
%RSD		3.054	0.275	0.438
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.894	131.200	0.000
%RSD		3.095	1.184	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.758%	0.525	0.489
%RSD		0.265	6.951	1.624
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		77.430	97.639%	
%RSD		0.505	0.637	

240-17317 -a-2-c@5, 11/23/2012 12:38:26 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		79.598%	4.789	32.840
%RSD		0.460	3.535	0.607
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		531.500	20910.000	M 35270.000
%RSD		1.379	0.251	M 0.625
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 2308.000	M 108500.000
%RSD		T 0.000	T 0.373	M 0.426
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		83.053%	83.817%	M 552.000
%RSD		0.287	0.374	M 2.591
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		35.810	71.260	6.353
%RSD		1.172	0.321	28.820
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3178.000	TM 53530.000	16.240
%RSD		TM 0.276	TM 0.834	0.349
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		76.200	48.340	M 259.500
%RSD		0.623	1.687	M 1.021
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		82.592%	31.500	0.243
%RSD		0.173	1.135	52.920
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.745	M 274.900	3.055
%RSD		11.850	M 0.923	4.357
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.113	-26.840
%RSD		0.000	3.038	20.930
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		3.076	85.062%	5.048
%RSD		4.840	0.270	1.926
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.015	M 352.100	0.000
%RSD		3.001	M 0.585	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		93.624%	0.816	0.496
%RSD		0.671	2.476	3.537
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		150.500	87.106%	
%RSD		0.653	0.488	

240-17317 -a-3-c@10, 11/23/2012 12:43:22 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		79.084%	3.025	22.390
%RSD		0.565	2.224	1.927
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		457.800	12950.000	M 22850.000
%RSD		1.151	0.407	M 0.457
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 1505.000	90850.000
%RSD		T 0.000	T 1.374	0.499
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		82.481%	85.940%	M 429.700
%RSD		0.483	1.473	M 1.303
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		19.930	31.470	1.826
%RSD		3.963	1.178	74.120
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2263.000	T 19610.000	6.941
%RSD		TM 0.466	T 0.938	2.010
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		21.400	14.880	105.400
%RSD		1.097	1.565	0.531
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		84.803%	10.210	0.168
%RSD		1.148	1.028	74.380
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.905	181.300	0.959
%RSD		2.553	0.177	14.380
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.052	-16.170
%RSD		0.000	3.379	23.680
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.389	87.909%	3.795
%RSD		10.390	0.975	1.994
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.402	M 236.000	0.000
%RSD		5.267	M 0.408	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		94.855%	0.238	0.257
%RSD		0.839	3.168	1.853
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		82.650	89.100%	
%RSD		0.179	0.618	

240-17317 -a-4-c@10, 11/23/2012 12:48:22 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		78.931%	2.772	22.910
%RSD		1.162	2.308	2.511
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		435.700	10130.000	M 17060.000
%RSD		0.658	0.456	M 0.475
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	1295.000	73450.000
%RSD		T 0.000	0.308	0.251
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		81.833%	85.718%	M 488.000
%RSD		0.423	0.880	M 1.318
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		11.630	37.620	2.895
%RSD		2.268	0.855	18.750
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1915.000	T 17370.000	5.197
%RSD		TM 0.350	T 1.267	2.607
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		28.170	16.780	88.480
%RSD		1.238	2.572	1.025
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		83.920%	12.340	0.138
%RSD		0.892	0.881	49.860
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.695	169.800	1.385
%RSD		9.065	0.101	4.956
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.052	-16.360
%RSD		0.000	6.116	39.920
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.504	87.341%	3.310
%RSD		21.610	0.723	0.731
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.305	199.200	0.000
%RSD		15.110	0.088	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		94.391%	0.233	0.230
%RSD		1.473	13.740	2.880
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		65.580	89.339%	
%RSD		0.468	0.455	

CCV 3 11/23/2012 12:53:19 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.545%	102.777%	99.193%
%RSD		0.139	0.625	1.364
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬ 102.734%	102.814%	101.111%
%RSD		┬0.653	0.276	0.742
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		┬0.000	┬ 102.772%	96.910%
%RSD		┬0.000	┬0.621	0.219
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		88.058%	91.655%	103.234%
%RSD		0.300	1.317	2.688
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		99.375%	100.044%	10.900
%RSD		0.923	0.371	1.748
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬ 100.110%	┬ 105.134%	99.321%
%RSD		┬0.309	┬0.517	0.640
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		100.441%	100.247%	102.834%
%RSD		0.707	1.113	1.026
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		89.941%	99.358%	-0.875
%RSD		1.030	0.853	10.510
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		101.881%	98.134%	105.319%
%RSD		0.441	0.415	0.468
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	104.741%	78.620
%RSD		0.000	0.341	60.630
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		105.418%	90.331%	104.295%
%RSD		0.983	1.322	0.194
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		103.369%	100.727%	0.000
%RSD		0.523	1.386	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		95.506%	105.723%	103.653%
%RSD		1.234	0.389	0.480
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		103.651%	87.212%	
%RSD		0.227	0.821	

CCB 3 11/23/2012 13:00:28 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.350%	0.065	2.181
%RSD		0.366	28.500	18.020
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		16.840	11.960	2.512
%RSD		6.845	21.940	13.630
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	16.190	22.920
%RSD		T 0.000	1.681	11.020
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		87.090%	86.048%	0.192
%RSD		0.392	0.763	109.300
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		-0.032	-0.098	-0.740
%RSD		690.300	23.750	50.580
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.225	16.670	0.035
%RSD		11.370	6.919	19.750
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.033	0.070	0.697
%RSD		42.330	67.220	8.316
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		86.475%	0.125	0.017
%RSD		0.106	54.830	208.600
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.052	0.048	0.269
%RSD		98.080	14.850	57.750
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.027	-0.036
%RSD		0.000	25.960	3197.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.028	88.067%	0.992
%RSD		68.980	0.756	5.827
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.150	0.022	0.000
%RSD		6.819	100.300	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		91.869%	0.676	0.344
%RSD		0.372	8.580	4.325
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.073	92.335%	
%RSD		1.213	0.857	

240-17317 -a-5-b@2, 11/23/2012 13:05:26 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		74.559%	5.348	32.070
%RSD		0.411	0.982	2.789
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		582.600	27470.000	TM 70650.000
%RSD		0.776	0.963	TM 0.607
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 6407.000	M 156200.000
%RSD		T 0.000	T 0.654	M 0.526
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		79.073%	83.275%	M 420.000
%RSD		0.298	1.183	M 1.157
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		105.600	117.800	10.010
%RSD		0.268	0.243	11.750
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4410.000	TM 129800.000	44.320
%RSD		TM 0.507	TM 0.762	0.893
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		128.100	95.340	M 529.900
%RSD		0.418	0.955	M 0.406
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		81.125%	53.420	0.478
%RSD		0.575	0.164	26.180
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		3.711	M 358.400	7.294
%RSD		9.293	M 0.499	3.644
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.172	-33.950
%RSD		0.000	7.818	47.590
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.786	83.778%	7.102
%RSD		8.237	0.818	0.829
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.334	M 542.200	0.000
%RSD		5.106	M 0.456	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		92.817%	0.596	0.995
%RSD		0.895	2.131	1.896
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		122.600	84.715%	
%RSD		0.605	1.232	

240-17317 -a-6-b@5, 11/23/2012 13:10:29 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		75.264%	2.140	10.210
%RSD		0.751	3.614	3.297
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		228.800	10690.000	M 28260.000
%RSD		1.937	0.545	M 0.652
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 2240.000	82790.000
%RSD		T 0.000	T 1.019	0.721
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		78.351%	81.878%	130.200
%RSD		0.218	0.876	2.497
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		38.540	44.780	5.029
%RSD		0.959	0.112	13.940
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1633.000	TM 53610.000	19.060
%RSD		TM 0.104	TM 0.227	1.262
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		64.370	39.230	M 209.700
%RSD		1.244	1.296	M 0.678
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		80.871%	29.040	0.268
%RSD		0.453	1.866	12.630
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.788	M 224.600	2.765
%RSD		15.090	M 1.111	5.721
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.089	-13.830
%RSD		0.000	6.983	21.020
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.473	83.535%	3.288
%RSD		3.360	0.262	1.848
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.372	M 213.400	0.000
%RSD		9.729	M 0.515	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		91.997%	0.296	0.482
%RSD		0.733	0.725	2.446
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		45.060	87.789%	
%RSD		0.239	0.244	

240-17317 -a-7-e@5, 11/23/2012 13:15:25 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.589%	2.273	10.360
%RSD		0.707	4.185	3.664
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		142.700	9753.000	M 33650.000
%RSD		0.861	0.454	M 0.691
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 3273.000	9801.000
%RSD		T 0.000	T 0.856	0.785
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		91.585%	96.190%	154.900
%RSD		0.349	1.012	3.745
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		54.170	56.360	3.737
%RSD		1.668	0.475	55.250
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1208.000	TM 72870.000	33.400
%RSD		TM 0.176	TM 0.542	1.248
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		73.300	48.910	180.900
%RSD		1.166	0.938	0.764
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		95.701%	30.820	0.377
%RSD		0.519	0.192	13.000
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.899	43.850	3.492
%RSD		3.568	0.327	3.710
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.070	-13.130
%RSD		0.000	8.919	37.180
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.355	95.931%	2.956
%RSD		6.182	0.541	0.804
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.350	M 222.100	0.000
%RSD		1.811	M 0.916	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		103.250%	0.237	0.506
%RSD		0.745	2.930	2.435
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		42.860	96.569%	
%RSD		0.268	0.520	

240-17317 -a-7-I du@5, 11/23/2012 13:20:23 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.444%	2.193	8.351
%RSD		0.356	3.279	1.838
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		149.200	9752.000	M 31070.000
%RSD		0.743	1.188	M 0.764
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 2796.000	11650.000
%RSD		T 0.000	T 0.350	0.472
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		95.757%	96.407%	143.600
%RSD		0.434	0.799	2.829
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		50.070	54.410	2.779
%RSD		0.425	0.947	13.160
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 869.500	TM 67750.000	28.260
%RSD		T 0.225	TM 0.831	0.498
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		71.480	46.940	169.900
%RSD		1.894	0.649	1.038
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		95.463%	30.640	0.258
%RSD		0.260	1.031	13.850
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.538	45.380	2.997
%RSD		5.122	0.446	5.503
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.058	-15.190
%RSD		0.000	32.010	51.700
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.311	95.816%	2.826
%RSD		8.283	0.540	2.644
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.323	195.800	0.000
%RSD		13.370	0.174	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.649%	0.211	0.469
%RSD		0.278	3.701	2.940
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		42.100	96.368%	
%RSD		0.747	0.073	

240-17317 -a-7-h ms@5, 11/23/2012 13:25:32 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.154%	22.100	20.790
%RSD		0.500	1.019	2.495
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2113.000	11800.000	M 34600.000
%RSD		0.442	0.716	M 0.330
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 4699.000	13590.000
%RSD		T 0.000	T 0.847	1.210
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		95.892%	96.487%	165.500
%RSD		0.209	0.387	1.930
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		69.970	74.440	7.045
%RSD		0.902	0.355	2.527
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 904.100	TM 69680.000	48.840
%RSD		T 0.249	TM 0.481	0.527
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		91.360	67.020	192.800
%RSD		0.265	1.394	0.724
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		95.272%	50.170	0.191
%RSD		0.329	1.413	13.250
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		18.610	65.340	20.340
%RSD		1.297	0.506	3.283
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	20.520	-15.030
%RSD		0.000	0.532	138.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		20.260	95.108%	19.770
%RSD		1.687	0.133	0.991
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		5.053	M 211.800	0.000
%RSD		3.524	M 0.662	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.379%	11.220	18.650
%RSD		0.394	0.996	0.797
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		61.630	95.298%	
%RSD		0.603	0.418	

240-17317 -a-7-h ms@5, 11/23/2012 13:31:07 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.774%	22.040	20.780
%RSD		0.345	1.694	3.856
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2101.000	11770.000	M 34440.000
%RSD		0.252	0.870	M 0.253
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 4664.000	13450.000
%RSD		T 0.000	T 0.712	1.119
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		95.969%	96.368%	165.700
%RSD		0.224	0.688	2.329
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		69.170	73.600	9.509
%RSD		0.589	0.239	1.553
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 896.700	TM 69210.000	48.540
%RSD		T 0.324	TM 0.934	0.982
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		92.060	66.040	190.100
%RSD		0.734	1.329	0.412
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		95.134%	49.650	0.223
%RSD		0.262	0.866	31.690
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		18.840	65.160	20.380
%RSD		2.855	0.030	1.544
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	20.270	-7.273
%RSD		0.000	0.098	242.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		20.120	94.955%	19.530
%RSD		0.356	0.591	0.577
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		5.060	M 211.600	0.000
%RSD		2.656	M 0.428	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.028%	11.270	18.590
%RSD		0.999	0.685	0.528
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		61.160	95.233%	
%RSD		0.505	0.899	

240-17317 -a-8-b@5, 11/23/2012 13:36:30 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.605%	2.306	13.470
%RSD		0.641	1.570	2.801
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		181.000	11310.000	M 41190.000
%RSD		1.542	0.466	M 0.236
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 4513.000	10660.000
%RSD		T 0.000	T 0.686	0.192
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		96.749%	96.852%	159.600
%RSD		0.133	0.278	1.511
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		60.530	60.520	4.679
%RSD		0.290	0.703	22.540
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 782.000	TM 73470.000	27.880
%RSD		T 0.110	TM 0.349	0.924
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		82.000	54.380	186.100
%RSD		0.620	0.476	0.279
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		95.847%	30.480	0.307
%RSD		0.447	1.040	35.610
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.592	49.260	3.070
%RSD		16.730	0.327	6.798
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.086	-16.790
%RSD		0.000	5.469	35.670
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.274	95.022%	4.024
%RSD		14.200	0.635	0.947
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.334	M 209.700	0.000
%RSD		2.989	M 0.353	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.674%	0.373	0.649
%RSD		0.059	5.267	0.104
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		39.420	95.162%	
%RSD		0.608	0.546	

240-17317 -a-9-c@5, 11/23/2012 13:41:27 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.984%	1.809	11.070
%RSD		0.510	4.539	3.270
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		173.800	6623.000	M 21390.000
%RSD		1.755	1.026	M 0.282
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 1566.000	20530.000
%RSD		T 0.000	T 0.614	0.490
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		94.036%	94.612%	192.600
%RSD		0.275	0.311	2.215
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		34.220	47.080	3.446
%RSD		0.519	0.644	38.610
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1390.000	T 48760.000	15.070
%RSD		TM 0.120	T 0.202	1.488
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		48.850	40.340	M 230.000
%RSD		1.351	0.747	M 0.201
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		92.945%	32.370	0.285
%RSD		0.605	1.323	12.530
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.661	58.660	2.657
%RSD		4.422	0.991	1.568
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.135	-21.410
%RSD		0.000	7.288	64.170
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.425	92.850%	4.600
%RSD		7.730	0.860	2.841
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.521	158.800	0.000
%RSD		6.244	1.013	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.020%	0.374	0.444
%RSD		0.511	3.367	0.180
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		75.810	94.705%	
%RSD		0.564	0.146	

240-17317 -a-10-b@5, 11/23/2012 13:46:23 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.134%	1.548	8.379
%RSD		0.261	2.964	2.953
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		140.400	6889.000	M 22490.000
%RSD		0.647	1.132	M 0.147
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 1750.000	16150.000
%RSD		T 0.000	T 1.175	0.441
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		94.576%	95.245%	176.800
%RSD		0.334	0.866	2.176
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		38.400	53.430	4.730
%RSD		0.732	0.251	18.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1303.000	TM 53760.000	17.340
%RSD		TM 0.220	TM 1.083	1.394
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		59.630	43.700	M 253.800
%RSD		1.109	0.411	M 0.489
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		94.938%	31.100	0.218
%RSD		0.442	0.261	31.590
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.428	82.020	2.671
%RSD		21.140	1.480	1.701
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.133	-15.050
%RSD		0.000	3.509	34.460
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.282	94.094%	3.321
%RSD		5.545	0.816	2.399
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.622	M 240.100	0.000
%RSD		4.315	M 0.293	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.372%	0.238	0.412
%RSD		0.415	7.463	3.430
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		89.000	95.333%	
%RSD		0.148	0.441	

240-17317 -a-14-b@10, 11/23/2012 13:51:22 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.379%	1.224	5.978
%RSD		0.173	2.625	7.050
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		99.700	4532.000	M 16750.000
%RSD		1.235	0.615	M 0.494
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	1247.000	30410.000
%RSD		T 0.000	0.799	0.468
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		92.181%	92.555%	90.170
%RSD		0.723	0.467	5.276
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		24.640	26.060	0.850
%RSD		0.932	1.051	66.610
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1261.000	T 33400.000	10.800
%RSD		TM 0.720	T 0.717	1.181
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		28.380	21.110	M 262.800
%RSD		0.650	2.804	M 1.310
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.164%	23.510	0.127
%RSD		0.828	2.299	18.120
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.843	77.810	1.336
%RSD		7.131	0.601	2.157
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.041	-8.953
%RSD		0.000	22.190	5.294
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.291	92.341%	1.557
%RSD		14.730	0.234	3.620
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.160	115.700	0.000
%RSD		16.620	0.917	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.340%	0.218	0.257
%RSD		0.225	0.889	1.754
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		17.240	94.040%	
%RSD		0.296	0.317	

CCV 4 11/23/2012 13:56:20 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		83.979%	102.649%	98.763%
%RSD		0.417	0.303	0.525
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		T 103.018%	103.239%	101.113%
%RSD		T 0.215	0.268	1.424
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	T 104.449%	96.743%
%RSD		T 0.000	T 0.535	0.530
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		88.690%	90.196%	98.864%
%RSD		0.362	0.684	0.694
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		98.985%	100.189%	11.720
%RSD		1.256	0.962	10.820
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		T 99.597%	T 105.748%	100.279%
%RSD		T 0.165	T 0.389	0.819
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		100.981%	101.858%	103.927%
%RSD		0.488	1.637	1.558
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		88.058%	98.647%	-0.775
%RSD		0.555	0.080	47.130
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		101.822%	99.555%	105.510%
%RSD		1.254	0.970	1.303
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	104.836%	33.010
%RSD		0.000	0.317	105.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		106.087%	89.022%	104.608%
%RSD		0.530	0.322	0.828
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		104.055%	102.053%	0.000
%RSD		0.500	0.615	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		95.506%	106.548%	103.866%
%RSD		0.737	0.874	0.295
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		105.046%	86.498%	
%RSD		0.522	0.471	

CCB 4 11/23/2012 14:03:27 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.097%	0.047	0.949
%RSD		0.489	16.130	18.240
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		18.800	18.330	3.218
%RSD		4.866	24.160	19.650
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	19.430	32.910
%RSD		T 0.000	1.749	15.990
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		88.385%	88.995%	0.288
%RSD		0.491	0.245	67.180
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.192	-0.101	-1.584
%RSD		90.700	37.160	15.660
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.273	18.390	0.055
%RSD		1.709	7.459	24.820
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.018	0.076	0.641
%RSD		109.000	37.700	66.760
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		89.174%	0.066	0.177
%RSD		0.169	204.100	61.320
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.039	0.057	0.259
%RSD		276.600	17.570	14.220
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.029	-0.287
%RSD		0.000	22.890	317.300
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.035	90.249%	0.692
%RSD		50.270	0.452	5.869
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.151	0.036	0.000
%RSD		8.594	82.580	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		94.324%	0.698	0.360
%RSD		0.563	10.540	8.254
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.066	93.630%	
%RSD		2.464	0.407	

240-17317 -a-15-b@10, 11/23/2012 14:08:24 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		81.234%	0.842	4.969
%RSD		0.564	6.076	6.245
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		66.050	3384.000	M 13540.000
%RSD		0.215	0.735	M 0.962
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	1090.000	7933.000
%RSD		T 0.000	1.170	1.051
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		84.262%	90.057%	75.830
%RSD		0.550	1.940	5.209
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		22.390	23.120	1.351
%RSD		0.348	0.995	22.750
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1533.000	T 27500.000	12.610
%RSD		TM 0.387	T 0.559	0.890
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		29.640	33.330	157.900
%RSD		0.421	0.379	0.128
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.211%	16.030	0.150
%RSD		1.183	1.456	59.700
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.950	26.260	1.476
%RSD		17.240	1.636	6.433
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.043	-0.332
%RSD		0.000	24.320	940.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.393	90.558%	1.455
%RSD		8.650	1.186	2.326
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.214	95.140	0.000
%RSD		5.175	0.893	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		96.905%	0.297	0.361
%RSD		1.468	3.051	2.369
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		20.200	93.989%	
%RSD		0.812	0.871	

240-17317 -a-16-b@10, 11/23/2012 14:13:24 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.155%	0.920	3.918
%RSD		0.710	2.701	11.680
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		61.850	3383.000	M 16280.000
%RSD		2.044	0.472	M 0.690
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	1188.000	5978.000
%RSD		T 0.000	0.154	0.982
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		92.251%	93.973%	75.920
%RSD		0.802	0.951	5.820
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		28.570	22.180	1.131
%RSD		2.064	0.250	96.850
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1356.000	T 30460.000	12.550
%RSD		TM 0.364	T 0.413	2.897
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		22.640	16.010	82.360
%RSD		3.109	1.559	0.378
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		93.101%	14.860	0.129
%RSD		0.355	0.692	8.713
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.874	20.930	1.191
%RSD		10.710	0.638	7.294
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.057	-4.330
%RSD		0.000	14.990	44.620
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.200	93.413%	1.636
%RSD		12.750	0.995	3.354
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.169	104.000	0.000
%RSD		0.882	1.031	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.746%	0.170	0.321
%RSD		0.984	11.100	0.735
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		20.420	95.682%	
%RSD		0.291	0.327	

240-17317 -a-17-b@5, 11/23/2012 14:18:22 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.274%	2.811	12.930
%RSD		0.739	3.719	3.154
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		222.200	10060.000	M 37360.000
%RSD		2.000	0.450	M 0.425
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 3375.000	19320.000
%RSD		T 0.000	T 0.762	0.130
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		93.829%	95.131%	M 214.300
%RSD		0.217	0.680	M 1.966
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		51.940	58.400	4.500
%RSD		1.058	0.736	23.770
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1591.000	TM 63360.000	27.560
%RSD		TM 0.125	TM 0.768	0.525
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		62.150	57.210	M 341.900
%RSD		1.281	1.220	M 0.687
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		95.093%	33.600	0.337
%RSD		0.728	0.378	15.910
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.486	67.230	2.492
%RSD		1.761	0.363	3.121
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.101	-15.900
%RSD		0.000	6.822	46.010
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.763	94.226%	3.128
%RSD		3.141	0.503	0.482
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.456	M 223.200	0.000
%RSD		7.140	M 0.884	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.685%	0.221	0.527
%RSD		0.872	3.594	3.630
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		69.000	95.021%	
%RSD		0.616	0.373	

240-17317 -a-18-b@5, 11/23/2012 14:23:22 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.908%	1.370	9.883
%RSD		1.282	2.537	4.291
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		110.800	4749.000	M 22620.000
%RSD		1.182	0.207	M 1.041
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 1976.000	3981.000
%RSD		T 0.000	T 0.626	0.985
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		97.057%	96.194%	139.600
%RSD		0.299	0.441	2.885
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		39.360	37.290	1.802
%RSD		1.876	0.934	106.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 808.200	T 42020.000	23.660
%RSD		T 0.177	T 0.429	0.666
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		45.060	37.500	152.000
%RSD		0.873	2.035	0.481
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		96.425%	23.230	0.273
%RSD		0.030	0.802	28.070
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.657	19.700	1.999
%RSD		8.255	0.769	2.870
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.087	-12.150
%RSD		0.000	7.135	33.930
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.537	94.865%	2.772
%RSD		13.590	0.353	0.992
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.371	150.000	0.000
%RSD		3.887	0.600	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.851%	0.180	0.411
%RSD		0.583	0.217	2.241
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		66.710	96.813%	
%RSD		0.852	0.680	

240-17317 -a-19-d@5, 11/23/2012 14:28:17 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.334%	1.006	5.773
%RSD		0.712	5.148	3.923
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		115.400	3999.000	M 16800.000
%RSD		1.089	1.037	M 0.416
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 1349.000	3865.000
%RSD		T 0.000	T 1.757	0.250
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		92.569%	92.291%	117.100
%RSD		0.460	0.642	1.556
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		29.770	96.270	9.878
%RSD		1.670	1.029	13.170
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 687.000	T 42530.000	16.050
%RSD		T 0.347	T 1.005	1.388
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		66.920	34.710	121.000
%RSD		1.443	0.186	0.369
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.203%	21.740	0.226
%RSD		1.011	1.357	34.790
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.152	13.940	2.725
%RSD		15.240	1.425	5.171
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.066	-12.740
%RSD		0.000	12.140	73.450
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.405	91.501%	2.717
%RSD		4.377	0.886	2.039
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.305	117.900	0.000
%RSD		4.650	0.275	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.507%	0.300	0.311
%RSD		0.323	2.449	2.185
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		39.120	93.919%	
%RSD		0.469	0.396	

240-17317 -a-19-k du@5, 11/23/2012 14:33:13 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.073%	1.067	5.986
%RSD		0.268	5.191	3.788
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		126.500	4339.000	M 18810.000
%RSD		1.961	1.894	M 0.763
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 1555.000	4071.000
%RSD		T 0.000	T 1.507	0.943
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		86.494%	82.110%	109.700
%RSD		0.470	1.377	3.541
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		33.120	76.010	5.360
%RSD		1.729	0.992	18.750
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 721.800	T 44580.000	16.610
%RSD		T 0.121	T 0.798	1.901
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		57.310	35.770	132.000
%RSD		2.161	1.989	2.233
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		81.378%	24.190	0.241
%RSD		1.459	1.043	24.200
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.431	15.340	2.614
%RSD		9.316	0.618	5.200
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.071	-10.470
%RSD		0.000	15.680	66.880
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.437	82.332%	3.114
%RSD		11.200	1.074	0.862
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		3.889	125.500	0.000
%RSD		2.612	0.126	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		91.312%	0.245	0.326
%RSD		0.364	5.842	1.583
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		42.590	87.987%	
%RSD		0.250	0.474	

240-17317 -a-19-g ms@5, 11/23/2012 14:38:18 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.874%	21.180	21.290
%RSD		0.258	0.832	1.275
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2176.000	6766.000	M 24240.000
%RSD		0.735	1.432	M 0.151
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 3912.000	6808.000
%RSD		T 0.000	T 0.254	0.940
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		80.771%	82.283%	142.900
%RSD		0.194	0.260	0.892
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		54.030	107.300	11.500
%RSD		0.514	0.294	12.880
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 719.400	T 47180.000	35.310
%RSD		T 0.487	T 0.723	0.173
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		82.270	55.100	157.000
%RSD		0.313	0.741	1.132
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		81.096%	41.530	0.033
%RSD		0.348	1.093	271.100
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		20.210	36.170	19.990
%RSD		5.420	0.718	2.031
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	20.680	6.437
%RSD		0.000	0.190	339.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		20.990	82.318%	19.470
%RSD		2.335	0.415	0.661
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		5.993	144.800	0.000
%RSD		1.306	0.386	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		91.071%	12.180	18.990
%RSD		0.333	0.223	0.233
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		58.570	87.667%	
%RSD		0.425	0.234	

240-17317 -a-20-b@5, 11/23/2012 14:43:38 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		79.815%	1.053	6.083
%RSD		0.844	0.876	10.060
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		109.100	4033.000	M 17600.000
%RSD		5.294	0.912	M 0.320
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	1386.000	4240.000
%RSD		T 0.000	0.477	0.877
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		78.551%	79.797%	112.100
%RSD		0.271	0.258	4.423
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		31.130	50.900	5.275
%RSD		2.227	0.784	37.950
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 742.700	T 42780.000	16.580
%RSD		T 0.376	T 0.382	2.116
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		45.230	33.550	122.300
%RSD		1.281	3.140	0.418
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		78.180%	21.860	0.155
%RSD		0.718	1.822	63.490
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.148	14.360	2.142
%RSD		14.190	1.875	5.829
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.059	-13.580
%RSD		0.000	9.541	17.110
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.392	80.240%	3.184
%RSD		8.914	0.226	4.839
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.294	119.000	0.000
%RSD		10.750	0.812	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		89.090%	0.357	0.413
%RSD		0.684	12.580	2.237
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		38.400	86.338%	
%RSD		0.200	0.442	

CCV 5 11/23/2012 14:48:34 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.363%	101.473%	97.060%
%RSD		0.283	0.452	0.661
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		T 104.049%	104.440%	103.325%
%RSD		T 0.625	0.910	0.216
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	T 103.837%	97.452%
%RSD		T 0.000	T 0.390	0.424
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		80.052%	84.324%	102.108%
%RSD		0.754	0.322	0.542
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		99.017%	99.812%	8.152
%RSD		0.669	0.689	2.838
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		T 99.860%	T 105.169%	99.349%
%RSD		T 0.638	T 0.252	0.770
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		98.966%	100.697%	103.875%
%RSD		0.962	0.791	0.716
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		82.415%	98.920%	-0.649
%RSD		1.661	0.884	23.930
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		101.731%	99.408%	104.736%
%RSD		1.241	0.452	0.298
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	104.733%	25.340
%RSD		0.000	0.475	49.460
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		106.572%	83.546%	104.034%
%RSD		0.471	0.208	1.254
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		104.149%	100.859%	0.000
%RSD		0.716	0.604	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		91.373%	106.171%	103.894%
%RSD		0.976	0.573	0.233
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		105.318%	83.279%	
%RSD		0.542	0.464	

CCB 5 11/23/2012 14:55:44 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		79.934%	0.050	0.863
%RSD		0.025	19.330	38.540
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		17.360	20.840	1.705
%RSD		1.535	13.460	24.940
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	20.820	33.610
%RSD		T 0.000	5.337	12.990
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		81.756%	82.731%	0.147
%RSD		0.390	0.636	85.380
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.010	-0.130	-1.961
%RSD		3628.000	9.928	40.580
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.251	16.440	0.038
%RSD		1.121	5.214	25.930
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.038	0.060	0.730
%RSD		37.270	16.950	42.950
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		83.167%	-0.041	0.084
%RSD		0.447	30.590	18.650
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.077	0.051	0.203
%RSD		103.600	5.557	39.950
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.026	0.946
%RSD		0.000	49.170	119.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.027	84.330%	0.492
%RSD		64.080	1.022	7.479
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.129	0.041	0.000
%RSD		16.720	41.060	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		89.331%	0.644	0.346
%RSD		0.270	12.350	6.903
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.060	90.106%	
%RSD		4.202	0.165	

CRI-751770 11/23/2012 15:00:41 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		77.793%	109.771%	102.320%
%RSD		0.655	1.630	0.674
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		107.737%	106.636%	99.127%
%RSD		0.116	4.965	3.198
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	107.738%	97.952%
%RSD		T 0.000	0.528	1.273
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		77.661%	80.098%	103.278%
%RSD		0.422	0.523	3.422
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		94.957%	90.550%	-1.593
%RSD		1.234	3.274	23.970
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		111.068%	120.616%	96.667%
%RSD		1.080	2.082	4.418
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		98.687%	103.495%	109.773%
%RSD		1.301	3.978	3.364
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		79.485%	103.436%	0.102
%RSD		0.755	10.350	74.710
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		105.060%	95.278%	95.587%
%RSD		7.146	1.207	4.722
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	109.350%	-0.940
%RSD		0.000	4.549	181.900
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		106.880%	81.694%	104.982%
%RSD		7.941	0.819	1.198
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		106.181%	108.236%	0.000
%RSD		1.623	0.692	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		88.208%	100.464%	115.842%
%RSD		0.485	0.804	0.526
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		106.854%	87.801%	
%RSD		1.444	0.253	

MDLV 11/23/2012 15:05:41 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		75.596%	1.188	34.940
%RSD		1.016	4.486	0.591
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		462.000	290.100	46.290
%RSD		2.244	9.250	7.884
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	122.100	1074.000
%RSD		T 0.000	0.215	1.666
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		75.929%	79.218%	2.054
%RSD		0.271	0.896	23.300
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.991	4.532	-1.864
%RSD		23.370	1.533	35.980
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		8.679	355.100	0.182
%RSD		3.436	0.452	7.489
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.795	3.259	24.150
%RSD		5.188	4.949	2.713
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		80.817%	1.446	0.074
%RSD		0.612	9.202	19.140
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.542	2.430	4.070
%RSD		23.270	3.852	2.979
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.079	0.184
%RSD		0.000	11.500	735.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.118	80.604%	108.700
%RSD		19.490	0.147	0.656
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.731	3.126	0.000
%RSD		1.627	3.675	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		87.828%	0.274	1.633
%RSD		0.319	8.135	1.447
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		2.177	87.699%	
%RSD		1.292	0.279	

mb 240-65198/1-a, 11/23/2012 15:10:42 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		77.065%	0.016	0.502
%RSD		0.743	39.990	30.540
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		52.780	42.820	4.791
%RSD		3.347	6.364	7.544
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	49.200	218.200
%RSD		T 0.000	0.926	3.051
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		77.365%	79.646%	0.183
%RSD		0.340	0.564	108.200
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.080	0.230	-4.777
%RSD		277.900	3.384	8.258
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		1.054	30.840	0.013
%RSD		0.946	0.817	43.560
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.120	0.554	7.418
%RSD		17.920	6.146	5.663
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		80.775%	-0.032	0.605
%RSD		0.618	162.400	11.860
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.024	0.320	-0.238
%RSD		379.400	15.930	20.590
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.003	0.015
%RSD		0.000	66.960	4863.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.026	81.224%	21.160
%RSD		72.180	0.394	1.249
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.072	0.608	0.000
%RSD		28.050	11.510	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		88.850%	0.165	0.125
%RSD		0.517	6.854	4.379
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.159	88.352%	
%RSD		2.749	0.576	

lcs 240-65198/2-a, 11/23/2012 15:15:42 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		77.199%	M 933.500	86.120
%RSD		0.524	M 0.212	1.430
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9941.000	9862.000	M 9359.000
%RSD		0.585	1.284	M 0.710
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 9656.000	9023.000
%RSD		T 0.000	T 0.479	1.865
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		78.306%	81.793%	92.970
%RSD		0.589	1.019	4.249
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 890.000	M 929.600	110.700
%RSD		M 0.426	M 0.671	8.010
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 944.700	T 9837.000	M 919.300
%RSD		T 0.114	T 0.753	M 0.456
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 933.700	M 945.300	M 932.800
%RSD		M 0.307	M 0.491	M 0.659
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		80.572%	M 863.200	-5.836
%RSD		0.800	M 0.727	4.340
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 854.500	M 894.200	92.790
%RSD		M 0.758	M 0.434	0.660
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	101.600	627.000
%RSD		0.000	0.486	5.852
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 974.300	82.956%	106.600
%RSD		M 0.399	0.134	0.697
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		93.050	M 935.700	0.000
%RSD		1.766	M 1.079	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		91.161%	92.160	TM 222.600
%RSD		1.161	0.644	TM 0.187
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 919.400	87.261%	
%RSD		TM 0.513	0.058	

240-17422 -a-2-e, 11/23/2012 15:22:54 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.175%	6.664	19.550
%RSD		0.881	1.451	2.144
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		332.300	22020.000	TM 113700.000
%RSD		0.805	1.271	TM 0.825
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 8917.000	11970.000
%RSD		T 0.000	T 0.529	0.467
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		91.384%	92.352%	M 506.100
%RSD		0.988	0.639	M 1.773
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		194.300	174.700	12.560
%RSD		0.772	0.657	19.230
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 8253.000	TM 208300.000	101.100
%RSD		TM 0.265	TM 0.534	1.345
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		197.000	127.500	M 1349.000
%RSD		1.078	1.769	M 0.746
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.716%	122.700	0.904
%RSD		0.878	0.771	5.236
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		6.527	77.450	12.350
%RSD		5.901	0.612	2.800
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.789	-35.690
%RSD		0.000	3.564	16.630
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.186	90.951%	19.160
%RSD		4.350	0.557	0.582
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.881	M 1126.000	0.000
%RSD		2.240	M 0.445	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.770%	1.284	2.247
%RSD		0.150	3.843	1.384
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 408.300	91.483%	
%RSD		TM 0.216	0.139	

SD 240-17422 -a-2-e@5, 11/23/2012 15:27:51 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.280%	1.449	4.132
%RSD		0.417	3.460	3.147
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		73.470	4696.000	M 24450.000
%RSD		3.469	0.492	M 1.003
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 1882.000	2528.000
%RSD		T 0.000	T 0.577	1.336
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		84.262%	85.022%	103.400
%RSD		0.407	0.358	1.886
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		39.330	35.600	1.633
%RSD		0.793	0.623	42.050
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1717.000	T 43530.000	20.840
%RSD		TM 0.442	T 0.250	0.631
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		41.240	27.740	M 300.700
%RSD		1.772	1.565	M 0.475
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		83.919%	26.220	0.269
%RSD		0.327	0.308	8.224
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.578	16.000	2.523
%RSD		9.237	1.382	8.815
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.169	-9.579
%RSD		0.000	8.356	20.860
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.535	84.792%	4.268
%RSD		8.561	0.367	1.969
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.504	M 233.300	0.000
%RSD		7.249	M 0.457	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		92.042%	0.423	0.638
%RSD		0.625	0.425	2.081
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		88.560	89.248%	
%RSD		0.453	0.207	

240-17422 -a-2-I du, 11/23/2012 15:32:49 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		83.788%	5.966	19.220
%RSD		1.433	0.876	3.842
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		299.700	21640.000	TM 109300.000
%RSD		1.365	0.672	TM 0.310
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 8646.000	12550.000
%RSD		T 0.000	T 0.131	0.515
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		83.981%	85.277%	M 586.900
%RSD		0.401	0.526	M 3.149
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		192.900	174.400	18.160
%RSD		0.955	0.650	5.556
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 8841.000	TM 213500.000	103.400
%RSD		TM 0.316	TM 0.712	0.461
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		197.100	129.900	M 1377.000
%RSD		0.476	0.877	M 0.828
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		82.546%	118.700	0.871
%RSD		0.034	1.079	13.770
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		6.100	79.760	13.380
%RSD		7.646	1.606	0.172
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.866	-41.620
%RSD		0.000	4.622	39.030
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.306	84.015%	20.880
%RSD		4.256	0.830	0.394
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.874	M 1323.000	0.000
%RSD		3.972	M 0.373	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		96.963%	0.868	2.011
%RSD		0.534	1.271	1.274
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 435.500	85.643%	
%RSD		TM 0.748	0.166	

240-17422 -a-2-g ms, 11/23/2012 15:37:50 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.818%	90.950	80.530
%RSD		0.706	0.927	1.291
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		10020.000	31170.000	TM 123500.000
%RSD		0.367	0.842	TM 0.597
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 18250.000	21300.000
%RSD		T 0.000	T 0.448	0.521
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		86.730%	87.844%	M 624.500
%RSD		0.297	0.360	M 0.609
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 285.200	M 269.800	28.670
%RSD		M 0.564	M 0.066	9.112
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 8223.000	TM 220400.000	192.300
%RSD		TM 0.270	TM 0.522	0.326
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 298.400	M 208.600	M 1417.000
%RSD		M 0.572	M 0.654	M 0.689
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		84.244%	193.000	0.499
%RSD		0.321	0.907	51.460
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		77.740	170.700	102.500
%RSD		2.259	0.333	0.348
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	94.100	-10.480
%RSD		0.000	0.297	552.300
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		92.560	85.805%	96.650
%RSD		1.085	0.506	0.383
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		26.780	M 1240.000	0.000
%RSD		1.061	M 0.494	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		96.828%	64.190	93.650
%RSD		0.729	0.881	1.977
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 500.600	85.307%	
%RSD		TM 1.787	1.864	

PDS 240-17422 -a-2-e, 11/23/2012 15:44:52 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.007%	M 989.900	115.000
%RSD		0.381	M 0.061	1.368
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		10640.000	31410.000	TM 119200.000
%RSD		0.539	0.565	TM 0.017
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 18930.000	20790.000
%RSD		T 0.000	T 0.595	0.245
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		92.988%	93.505%	M 591.100
%RSD		0.464	0.436	M 0.854
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 1119.000	M 1120.000	138.400
%RSD		M 0.620	M 0.854	4.310
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 8875.000	TM 210900.000	M 1020.000
%RSD		TM 0.435	TM 0.612	M 0.868
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 1116.000	M 1049.000	M 2237.000
%RSD		M 1.102	M 1.138	M 0.317
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		92.047%	M 1029.000	-5.748
%RSD		0.758	M 0.464	16.580
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 927.200	M 993.700	112.200
%RSD		M 0.677	M 0.421	0.614
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	103.400	578.700
%RSD		0.000	0.837	7.911
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 997.300	91.352%	120.000
%RSD		M 0.839	0.456	0.769
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		99.180	M 2042.000	0.000
%RSD		1.362	M 0.358	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.374%	96.760	TM 228.000
%RSD		1.127	0.993	TM 0.429
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1294.000	92.198%	
%RSD		TM 0.591	0.596	

240-17317 -a-21-b, 11/23/2012 15:52:01 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.024%	5.102	34.350
%RSD		0.528	1.193	2.862
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1187.000	15980.000	TM 101600.000
%RSD		1.481	0.811	TM 0.705
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 8658.000	31550.000
%RSD		T 0.000	T 0.711	0.547
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		90.600%	88.085%	M 680.100
%RSD		0.603	0.589	M 1.930
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		173.600	M 241.800	25.020
%RSD		0.648	M 1.101	13.370
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3435.000	TM 231500.000	63.940
%RSD		TM 0.419	TM 1.037	1.230
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 237.500	M 334.100	M 4015.000
%RSD		M 1.720	M 1.246	M 0.906
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.190%	81.390	0.838
%RSD		0.943	0.747	7.606
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		7.733	155.400	14.670
%RSD		1.067	1.357	2.245
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	1.645	-18.690
%RSD		0.000	1.172	32.730
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		19.600	86.708%	46.650
%RSD		1.724	0.293	0.444
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		10.310	M 1939.000	0.000
%RSD		1.067	M 0.369	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		95.675%	4.030	2.152
%RSD		0.719	3.597	1.901
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1047.000	90.768%	
%RSD		TM 0.492	0.132	

CCV 6 11/23/2012 15:56:59 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		93.308%	101.126%	97.933%
%RSD		0.549	0.784	0.435
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 103.295%	103.942%	104.138%
%RSD		┬0.443	0.114	1.152
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		┬0.000	┬ 104.661%	96.560%
%RSD		┬0.000	┬0.534	0.344
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		91.621%	92.146%	100.217%
%RSD		0.635	0.272	1.651
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		97.065%	98.284%	9.986
%RSD		0.707	0.473	14.310
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬98.043%	┬ 105.253%	97.759%
%RSD		┬0.341	┬0.452	0.626
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		99.010%	99.359%	103.344%
%RSD		1.330	1.200	2.017
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.830%	98.365%	-0.956
%RSD		0.849	0.465	42.260
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		101.104%	99.404%	105.263%
%RSD		0.995	1.135	0.344
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	104.379%	49.020
%RSD		0.000	0.307	96.130
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		106.156%	88.886%	104.591%
%RSD		1.308	0.434	0.588
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		105.481%	100.832%	0.000
%RSD		0.647	0.529	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		96.097%	105.969%	103.262%
%RSD		0.812	0.403	0.333
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		105.317%	86.494%	
%RSD		0.237	0.160	

CCB 6 11/23/2012 16:04:09 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.901%	0.067	0.621
%RSD		0.320	7.128	27.730
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		19.170	17.590	2.550
%RSD		2.662	14.500	20.820
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	27.770	36.050
%RSD		T 0.000	1.985	11.090
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		87.608%	87.341%	0.242
%RSD		0.409	0.305	99.150
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.066	-0.097	-2.118
%RSD		117.500	18.460	19.830
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.356	27.330	0.043
%RSD		1.892	6.279	17.740
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.053	0.066	0.826
%RSD		41.350	22.020	7.954
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		86.995%	0.137	0.047
%RSD		0.831	41.340	199.400
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.102	0.063	0.340
%RSD		74.580	11.920	28.110
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.031	-0.845
%RSD		0.000	9.847	89.740
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.047	87.426%	0.602
%RSD		17.050	0.176	4.069
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.342	0.050	0.000
%RSD		11.250	33.700	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		92.541%	0.801	0.448
%RSD		0.379	8.462	7.065
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.089	91.845%	
%RSD		5.027	0.221	

240-17317 -a-22-b, 11/23/2012 16:09:06 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		91.919%	4.130	17.570
%RSD		1.094	0.975	5.638
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		667.300	15080.000	TM 83690.000
%RSD		0.666	0.942	TM 0.506
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 4709.000	17130.000
%RSD		T 0.000	T 0.683	0.352
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		94.491%	93.693%	M 542.800
%RSD		0.119	0.621	M 1.758
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		160.000	163.800	17.010
%RSD		0.590	0.518	13.090
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2715.000	TM 173800.000	52.370
%RSD		TM 0.081	TM 0.868	1.001
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		127.400	165.700	M 702.600
%RSD		1.265	0.857	M 0.753
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.594%	72.300	0.554
%RSD		1.120	0.367	10.650
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.582	84.910	11.360
%RSD		4.573	0.711	1.275
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.654	-33.380
%RSD		0.000	4.116	19.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		4.187	90.926%	20.610
%RSD		2.118	0.973	1.407
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		4.653	M 645.700	0.000
%RSD		2.102	M 0.425	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.033%	1.513	1.968
%RSD		0.526	2.156	2.016
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 495.800	89.730%	
%RSD		TM 0.445	0.650	

240-17317 -a-23-b, 11/23/2012 16:14:02 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		70.563%	13.790	96.730
%RSD		0.943	0.807	1.120
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2322.000	57030.000	TM 97930.000
%RSD		0.788	0.608	TM 0.378
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 8628.000	TM 626500.000
%RSD		T 0.000	T 0.769	TM 0.541
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		75.864%	81.360%	M 1474.000
%RSD		0.868	0.753	M 1.102
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		79.560	M 241.600	25.160
%RSD		0.290	M 0.668	5.423
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 15090.000	TM 207300.000	36.340
%RSD		TM 0.445	TM 0.431	0.711
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 316.500	M 2237.000	TM 12330.000
%RSD		M 0.524	M 0.177	TM 0.179
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		76.157%	91.830	1.164
%RSD		1.202	1.213	10.570
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		9.167	TM 1636.000	12.460
%RSD		3.530	TM 0.521	2.272
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.501	-98.240
%RSD		0.000	2.787	12.710
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		7.015	81.187%	21.980
%RSD		1.771	0.778	0.333
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		3.014	M 1450.000	0.000
%RSD		1.289	M 0.772	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		96.128%	1.339	1.601
%RSD		1.439	0.550	2.390
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1221.000	76.828%	
%RSD		TM 0.426	0.922	

240-17317 -a-24-b, 11/23/2012 16:18:58 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		74.252%	6.430	52.890
%RSD		0.235	2.439	1.701
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1101.000	28610.000	M 53990.000
%RSD		0.387	0.771	M 1.348
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 5973.000	TM 596700.000
%RSD		T 0.000	T 0.463	TM 0.197
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		79.935%	82.921%	M 717.800
%RSD		0.817	0.953	M 0.739
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		77.650	141.100	10.880
%RSD		1.725	0.858	40.950
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 8200.000	TM 174000.000	32.620
%RSD		TM 0.167	TM 0.821	0.385
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		172.400	TM 7704.000	M 1025.000
%RSD		1.562	TM 0.680	M 0.078
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		78.546%	108.900	1.122
%RSD		0.819	0.574	10.220
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.917	TM 1323.000	9.049
%RSD		3.284	TM 0.776	1.870
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.837	-62.230
%RSD		0.000	5.060	29.780
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		4.347	84.226%	9.796
%RSD		1.944	0.489	1.280
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.686	M 836.100	0.000
%RSD		2.927	M 0.629	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		95.794%	1.028	1.601
%RSD		0.629	0.706	1.221
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 319.100	78.004%	
%RSD		TM 0.370	0.722	

240-17422 -a-1-c, 11/23/2012 16:23:54 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.909%	7.261	29.110
%RSD		0.748	1.652	5.224
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		459.600	25280.000	TM 125000.000
%RSD		0.317	0.687	TM 0.575
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 12260.000	27370.000
%RSD		T 0.000	T 0.448	0.410
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		90.467%	90.529%	M 623.500
%RSD		0.412	0.655	M 2.990
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 213.700	M 222.600	23.160
%RSD		M 0.412	M 0.096	11.540
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 6435.000	TM 256400.000	93.020
%RSD		TM 0.077	TM 0.836	0.523
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 227.200	183.100	M 1119.000
%RSD		M 1.077	0.789	M 0.265
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.667%	143.200	1.081
%RSD		0.421	0.410	15.510
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		6.498	123.400	11.990
%RSD		5.414	0.615	1.031
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	1.926	-23.220
%RSD		0.000	1.546	32.840
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.644	91.677%	22.220
%RSD		5.531	0.295	0.885
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.905	M 962.500	0.000
%RSD		0.522	M 0.118	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		103.894%	0.683	1.843
%RSD		0.390	1.796	1.143
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 695.200	95.881%	
%RSD		TM 0.345	0.150	

240-17422 -a-3-c, 11/23/2012 16:28:51 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		78.885%	6.491	20.970
%RSD		0.736	0.437	4.930
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		317.900	25340.000	TM 121900.000
%RSD		1.011	0.990	TM 0.777
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 9495.000	12950.000
%RSD		T 0.000	T 0.406	0.274
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		82.914%	83.941%	M 681.700
%RSD		0.024	1.646	M 1.435
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 218.300	182.700	19.740
%RSD		M 0.490	0.556	2.172
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 8377.000	TM 250700.000	112.700
%RSD		TM 0.062	TM 0.721	0.501
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 217.400	143.800	M 925.800
%RSD		M 0.047	0.769	M 0.608
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		80.994%	129.800	0.706
%RSD		1.699	0.272	7.079
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		6.035	80.940	14.600
%RSD		2.045	0.658	1.489
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	1.543	-54.680
%RSD		0.000	3.046	31.630
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.764	83.987%	23.170
%RSD		3.204	1.016	2.019
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.076	M 1055.000	0.000
%RSD		1.618	M 0.667	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.156%	0.757	2.060
%RSD		0.314	1.395	0.682
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 436.200	86.583%	
%RSD		TM 1.553	1.654	

240-17422 -a-4-b, 11/23/2012 16:33:49 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		81.561%	6.976	39.760
%RSD		0.366	0.397	0.276
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		905.400	36680.000	TM 107200.000
%RSD		0.427	0.108	TM 0.323
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 13500.000	77160.000
%RSD		T 0.000	T 0.966	0.914
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		87.677%	93.047%	M 750.200
%RSD		0.525	0.987	M 0.289
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		179.200	M 228.800	21.220
%RSD		0.260	M 0.162	5.879
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4809.000	TM 310600.000	103.200
%RSD		TM 0.463	TM 0.372	0.215
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 313.600	M 272.800	M 1178.000
%RSD		M 0.250	M 0.761	M 0.372
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.612%	M 201.000	1.160
%RSD		1.033	M 0.118	15.420
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		9.081	M 277.900	19.510
%RSD		6.815	M 0.314	1.505
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.304	-90.840
%RSD		0.000	3.801	25.870
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.907	90.818%	13.960
%RSD		6.153	0.562	2.698
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.145	M 718.400	0.000
%RSD		0.990	M 0.630	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		108.479%	0.751	2.144
%RSD		1.078	6.701	0.929
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 388.100	90.310%	
%RSD		TM 1.311	0.312	

240-17422 -a-5-c, 11/23/2012 16:38:47 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.597%	5.782	37.920
%RSD		0.648	1.165	2.322
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		499.700	26810.000	TM 81850.000
%RSD		0.618	0.414	TM 0.309
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 11350.000	52200.000
%RSD		T 0.000	T 0.595	0.149
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		89.022%	92.711%	M 461.100
%RSD		0.474	0.853	M 2.044
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		129.900	M 230.500	21.670
%RSD		0.409	M 0.799	9.309
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4507.000	TM 199600.000	81.200
%RSD		TM 0.150	TM 0.898	1.134
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 261.900	159.000	M 764.300
%RSD		M 0.985	1.380	M 0.989
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.357%	111.900	1.097
%RSD		0.968	1.176	5.567
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.634	165.600	9.128
%RSD		2.147	0.285	1.259
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	4.557	-37.420
%RSD		0.000	0.712	6.371
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.567	91.622%	9.743
%RSD		1.248	0.556	0.479
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.039	M 572.300	0.000
%RSD		1.717	M 0.184	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		106.378%	0.544	1.299
%RSD		0.626	0.213	0.732
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		170.300	93.336%	
%RSD		0.739	0.444	

240-17422 -a-6-e, 11/23/2012 16:43:45 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.455%	4.996	31.370
%RSD		0.612	0.833	1.340
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		419.800	24520.000	TM 70160.000
%RSD		1.290	0.598	TM 0.743
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 8859.000	49740.000
%RSD		T 0.000	T 0.762	0.225
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		90.195%	93.381%	M 405.500
%RSD		0.098	0.170	M 0.269
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		117.000	183.800	16.390
%RSD		0.762	0.256	12.910
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4395.000	TM 194000.000	74.870
%RSD		TM 0.360	TM 0.528	0.194
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 236.500	151.100	M 679.400
%RSD		M 0.449	0.603	M 0.841
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.028%	102.600	0.895
%RSD		0.571	0.091	1.047
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.690	160.100	10.070
%RSD		9.013	0.614	2.949
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	4.673	-48.930
%RSD		0.000	2.832	18.510
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.234	91.878%	9.951
%RSD		3.548	0.476	0.776
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.035	M 521.700	0.000
%RSD		2.123	M 0.474	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.569%	0.554	1.150
%RSD		0.670	4.316	1.671
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		160.400	92.338%	
%RSD		0.325	0.550	

240-17422 -a-6-l du, 11/23/2012 16:48:44 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.756%	4.943	30.540
%RSD		0.984	2.707	3.266
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		416.700	24680.000	TM 68700.000
%RSD		0.172	0.694	TM 0.364
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 8530.000	49340.000
%RSD		T 0.000	T 0.474	0.419
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		89.567%	93.298%	M 479.000
%RSD		0.772	0.560	M 0.430
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		116.200	184.900	20.540
%RSD		1.427	0.325	17.650
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4687.000	TM 196600.000	76.430
%RSD		TM 0.534	TM 0.216	0.441
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 250.100	155.700	M 667.500
%RSD		M 0.934	1.223	M 0.472
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.755%	106.300	0.965
%RSD		0.891	1.351	12.460
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.280	155.300	9.318
%RSD		1.259	0.380	3.944
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	5.142	-53.520
%RSD		0.000	0.771	19.690
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.391	91.012%	11.750
%RSD		2.871	0.360	1.592
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.076	M 544.000	0.000
%RSD		0.963	M 0.047	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.330%	0.610	1.240
%RSD		0.892	4.008	1.267
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		163.800	91.387%	
%RSD		0.694	0.311	

240-17422 -a-6-g ms, 11/23/2012 16:53:54 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.036%	92.990	114.000
%RSD		0.384	0.692	0.592
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9805.000	35110.000	TM 87440.000
%RSD		0.768	0.355	TM 0.270
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 19120.000	61600.000
%RSD		T 0.000	T 0.397	0.370
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		91.219%	95.488%	M 588.200
%RSD		0.403	1.028	M 0.804
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 217.000	M 277.200	29.300
%RSD		M 0.467	M 0.645	15.030
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4975.000	TM 207900.000	171.900
%RSD		TM 0.064	TM 0.547	0.631
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 329.200	M 239.500	M 747.200
%RSD		M 1.408	M 0.947	M 0.848
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.474%	184.900	0.560
%RSD		1.201	0.034	27.630
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		77.080	M 259.100	97.590
%RSD		0.527	M 0.309	0.659
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	98.660	-6.752
%RSD		0.000	0.892	682.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		91.580	92.504%	91.780
%RSD		0.462	0.567	0.658
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		25.590	M 672.500	0.000
%RSD		1.053	M 0.346	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.936%	62.370	93.300
%RSD		1.065	0.335	0.116
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 261.000	89.202%	
%RSD		TM 0.073	1.000	

CCV 7 11/23/2012 17:00:58 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.987%	103.689%	100.015%
%RSD		0.397	0.273	0.882
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		T 102.821%	102.831%	103.952%
%RSD		T 0.500	0.112	1.194
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	T 104.109%	96.863%
%RSD		T 0.000	T 0.532	0.178
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		87.647%	89.662%	98.211%
%RSD		0.290	0.657	2.304
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		97.679%	98.317%	8.677
%RSD		0.192	0.147	7.093
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		T 100.194%	T 104.621%	98.140%
%RSD		T 0.094	T 0.167	0.491
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		98.325%	99.454%	103.098%
%RSD		1.345	0.838	0.532
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		88.074%	98.689%	-0.809
%RSD		0.815	1.323	22.690
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		100.039%	99.100%	106.323%
%RSD		1.619	0.252	1.815
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	105.324%	50.220
%RSD		0.000	0.486	75.680
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		106.154%	88.057%	104.353%
%RSD		0.588	0.913	0.907
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		103.928%	101.615%	0.000
%RSD		0.743	0.604	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		95.585%	106.123%	103.439%
%RSD		0.882	0.923	1.007
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		105.812%	86.498%	
%RSD		1.009	0.442	

CCB 7 11/23/2012 17:08:09 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		78.308%	0.066	1.083
%RSD		0.288	12.600	17.120
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		21.850	17.670	5.225
%RSD		1.042	7.892	11.490
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	28.310	37.390
%RSD		T 0.000	1.870	20.640
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		81.860%	83.780%	0.362
%RSD		0.105	0.307	67.360
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.101	-0.101	-2.001
%RSD		38.010	14.140	24.590
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.490	32.060	0.042
%RSD		5.409	8.027	43.940
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.086	0.118	0.930
%RSD		36.780	30.480	6.832
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		83.814%	0.136	-0.004
%RSD		0.655	36.560	2879.000
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.012	0.069	0.347
%RSD		266.900	10.520	49.840
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.036	-0.979
%RSD		0.000	20.680	137.100
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.038	85.958%	0.435
%RSD		49.200	0.748	4.290
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.178	0.096	0.000
%RSD		4.705	38.250	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		91.628%	0.714	0.396
%RSD		0.158	12.290	7.825
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.117	91.330%	
%RSD		3.414	0.421	

240-17422 -a-7-b, 11/23/2012 17:13:07 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		78.940%	7.653	50.500
%RSD		0.466	1.399	3.590
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		703.600	38950.000	TM 115800.000
%RSD		0.416	0.752	TM 0.505
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 12850.000	88010.000
%RSD		T 0.000	T 0.392	0.301
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		87.145%	91.715%	M 894.500
%RSD		0.618	1.399	M 1.348
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		196.500	M 261.800	28.120
%RSD		0.605	M 0.477	2.985
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 6583.000	TM 275600.000	102.300
%RSD		TM 0.178	TM 0.835	1.073
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 281.300	M 211.500	M 841.300
%RSD		M 0.626	M 0.259	M 0.784
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.414%	131.800	1.173
%RSD		1.175	0.946	5.900
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		7.056	M 232.500	15.450
%RSD		4.295	M 0.568	2.682
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.403	-68.590
%RSD		0.000	5.599	2.121
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		4.878	90.039%	12.350
%RSD		0.579	0.785	1.504
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		9.599	M 811.300	0.000
%RSD		0.865	M 0.231	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.990%	0.969	1.844
%RSD		1.263	4.478	1.097
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 357.900	90.424%	
%RSD		TM 0.734	0.396	

240-17422 -a-8-b@10, 11/23/2012 17:18:03 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		77.047%	3.818	29.350
%RSD		1.395	0.523	2.684
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		476.700	11300.000	M 18890.000
%RSD		1.398	0.669	M 0.696
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	1184.000	70920.000
%RSD		T 0.000	0.222	0.716
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		81.401%	81.698%	M 365.000
%RSD		0.339	0.803	M 1.023
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		7.469	14.840	-0.085
%RSD		5.241	0.713	1310.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2149.000	T 18780.000	10.060
%RSD		TM 0.192	T 0.696	0.608
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		27.620	18.350	114.000
%RSD		1.678	0.794	1.942
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		81.470%	31.690	0.099
%RSD		0.906	0.891	59.100
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.603	194.000	1.513
%RSD		13.920	0.357	4.144
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.065	-33.380
%RSD		0.000	11.500	10.990
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.699	83.169%	2.133
%RSD		3.019	0.735	3.087
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.289	189.400	0.000
%RSD		5.615	0.374	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		93.640%	0.328	0.478
%RSD		0.436	0.814	2.362
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		30.050	87.172%	
%RSD		0.615	0.572	

240-17422 -a-9-d, 11/23/2012 17:22:59 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.580%	7.929	20.100
%RSD		0.634	1.909	1.334
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		486.400	24660.000	TM 129200.000
%RSD		0.547	0.298	TM 0.721
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 8224.000	15910.000
%RSD		T 0.000	T 0.447	0.454
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		88.219%	82.297%	M 478.300
%RSD		0.715	1.325	M 2.706
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 197.600	M 219.100	24.160
%RSD		M 1.443	M 0.969	12.700
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 11660.000	TM 275500.000	123.600
%RSD		TM 0.210	TM 0.666	1.048
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 254.600	M 308.000	M 1670.000
%RSD		M 1.224	M 1.018	M 0.122
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		79.136%	170.600	0.899
%RSD		1.431	0.952	12.220
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		8.297	75.620	22.780
%RSD		5.548	0.835	0.976
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.580	-68.660
%RSD		0.000	2.902	17.730
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		6.357	80.851%	12.390
%RSD		4.760	2.204	2.534
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.315	M 811.000	0.000
%RSD		2.677	M 0.584	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.495%	0.774	2.298
%RSD		0.717	1.065	0.635
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		M 237.800	85.774%	
%RSD		M 0.645	0.950	

240-17422 -a-9-k du, 11/23/2012 17:27:55 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		75.871%	7.735	19.380
%RSD		0.606	1.946	4.361
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		484.700	24830.000	TM 126400.000
%RSD		0.368	0.222	TM 0.123
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 8081.000	15360.000
%RSD		T 0.000	T 0.339	0.550
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		76.685%	80.495%	M 498.100
%RSD		0.390	0.089	M 0.988
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		195.400	M 228.700	22.220
%RSD		1.601	M 1.084	15.030
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 8633.000	TM 267300.000	115.900
%RSD		TM 0.496	TM 0.687	0.726
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 254.800	M 302.300	M 1685.000
%RSD		M 1.006	M 0.565	M 0.085
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		76.165%	154.700	0.999
%RSD		0.420	0.192	7.480
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		8.898	75.440	22.250
%RSD		3.032	1.609	0.947
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.582	-66.010
%RSD		0.000	4.780	37.720
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		6.378	78.701%	13.520
%RSD		1.982	0.512	1.761
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.336	M 821.400	0.000
%RSD		2.289	M 0.497	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.964%	0.800	2.261
%RSD		0.461	0.402	1.066
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		M 226.800	83.373%	
%RSD		M 0.503	0.123	

240-17422 -a-9-f ms, 11/23/2012 17:32:52 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		77.626%	92.040	77.840
%RSD		0.398	0.293	2.077
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9798.000	35710.000	TM 154800.000
%RSD		0.543	0.816	TM 0.622
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 18390.000	23180.000
%RSD		T 0.000	T 0.467	0.403
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		78.370%	81.680%	M 531.200
%RSD		0.127	0.911	M 0.992
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 301.700	M 327.900	35.230
%RSD		M 0.513	M 0.277	4.218
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 8192.000	TM 279200.000	M 204.400
%RSD		TM 0.263	TM 0.117	M 0.858
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 345.700	M 390.500	M 1862.000
%RSD		M 1.578	M 1.190	M 1.263
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		77.318%	M 229.600	0.453
%RSD		1.504	M 1.310	67.140
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		79.230	170.200	107.700
%RSD		2.421	1.006	1.373
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	90.480	-24.800
%RSD		0.000	0.632	76.480
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		95.480	78.686%	90.790
%RSD		1.665	0.938	0.546
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		24.630	M 921.800	0.000
%RSD		1.049	M 0.183	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.423%	55.790	88.850
%RSD		0.705	1.083	0.166
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 311.100	82.235%	
%RSD		TM 0.740	0.571	

240-17422 -a-10-b, 11/23/2012 17:39:45 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		75.678%	8.980	21.770
%RSD		1.073	0.707	0.418
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		528.400	29110.000	TM 153600.000
%RSD		1.575	0.393	TM 0.651
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 9646.000	15080.000
%RSD		T 0.000	T 0.459	0.976
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		78.098%	81.301%	M 526.700
%RSD		0.394	0.708	M 3.122
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 235.700	M 273.300	29.130
%RSD		M 1.164	M 0.721	19.670
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 9452.000	TM 347200.000	152.100
%RSD		TM 0.054	TM 1.042	0.555
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 301.200	M 329.600	M 1631.000
%RSD		M 0.849	M 0.340	M 0.741
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		76.078%	194.800	1.040
%RSD		0.472	0.395	7.586
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		9.459	82.720	28.450
%RSD		3.301	0.468	1.007
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.607	-89.920
%RSD		0.000	4.847	15.960
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		5.949	78.005%	15.040
%RSD		1.136	0.450	1.121
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.547	M 916.500	0.000
%RSD		2.617	M 0.888	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.723%	1.106	2.799
%RSD		0.746	6.998	0.558
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		M 250.400	81.853%	
%RSD		M 0.872	0.079	

240-17422 -a-11-b, 11/23/2012 17:44:42 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		79.142%	4.979	18.410
%RSD		0.775	1.504	0.683
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		390.600	16020.000	TM 84420.000
%RSD		1.522	1.515	TM 0.437
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 5146.000	13400.000
%RSD		T 0.000	T 0.454	0.538
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		75.400%	78.264%	M 504.000
%RSD		0.115	0.310	M 1.949
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		153.700	121.300	15.360
%RSD		0.720	0.470	13.010
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4852.000	TM 227000.000	84.700
%RSD		TM 0.526	TM 0.389	0.290
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		137.900	122.800	M 570.700
%RSD		1.751	2.058	M 0.854
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		74.697%	97.410	0.541
%RSD		1.311	0.167	7.261
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.954	63.870	14.390
%RSD		1.821	0.811	1.826
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.445	-53.080
%RSD		0.000	7.466	24.180
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.658	76.627%	15.210
%RSD		2.362	0.438	0.702
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.071	M 770.500	0.000
%RSD		0.561	M 0.441	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		90.793%	0.745	1.767
%RSD		0.723	1.490	0.812
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		M 206.100	80.717%	
%RSD		M 0.746	0.272	

240-17422 -a-12-b, 11/23/2012 17:49:39 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		79.053%	5.672	17.760
%RSD		0.936	1.691	1.963
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		608.300	24350.000	TM 121800.000
%RSD		0.890	0.487	TM 1.137
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 7699.000	12370.000
%RSD		T 0.000	T 0.649	1.163
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		76.581%	80.057%	M 554.300
%RSD		0.310	0.972	M 2.214
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 228.100	M 235.600	22.930
%RSD		M 1.218	M 0.383	10.140
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3419.000	TM 236300.000	83.270
%RSD		TM 0.467	TM 0.538	0.647
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		180.500	148.000	M 507.700
%RSD		1.132	1.295	M 0.100
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		76.640%	101.700	0.823
%RSD		0.588	0.533	29.230
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.713	56.710	16.880
%RSD		4.621	0.948	1.468
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.385	-34.910
%RSD		0.000	2.031	27.520
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.022	77.541%	12.530
%RSD		4.997	0.343	0.656
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.143	M 654.200	0.000
%RSD		4.844	M 0.344	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		87.224%	0.688	1.977
%RSD		0.453	1.741	1.666
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		M 208.800	81.965%	
%RSD		M 0.339	0.324	

240-17477 -a-5-b, 11/23/2012 17:54:37 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		83.627%	6.808	39.600
%RSD		1.102	1.332	1.755
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		690.700	34480.000	TM 80620.000
%RSD		0.267	0.430	TM 0.469
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 9609.000	M 101600.000
%RSD		T 0.000	T 0.575	M 0.419
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		85.461%	88.792%	M 801.100
%RSD		0.396	0.684	M 1.508
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		149.600	M 268.200	27.020
%RSD		1.221	M 0.826	4.504
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 7482.000	TM 219900.000	148.000
%RSD		TM 0.231	TM 0.352	0.584
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 345.200	163.100	M 591.800
%RSD		M 0.572	1.255	M 0.682
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.726%	M 385.700	0.903
%RSD		0.667	M 0.599	14.260
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.520	M 223.700	9.655
%RSD		6.431	M 0.301	1.048
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	2.099	-37.500
%RSD		0.000	2.229	5.948
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.366	86.782%	8.944
%RSD		3.115	0.265	0.578
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		7.435	M 659.400	0.000
%RSD		4.183	M 0.590	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.958%	1.192	0.878
%RSD		0.835	3.087	3.337
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 249.700	95.782%	
%RSD		TM 0.733	1.171	

240-17477 -a-6-e, 11/23/2012 17:59:35 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		83.761%	6.685	43.000
%RSD		0.855	3.090	2.248
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		658.600	33970.000	TM 97390.000
%RSD		0.896	0.085	TM 0.523
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 10920.000	69770.000
%RSD		T 0.000	T 0.789	0.302
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		86.204%	89.024%	M 617.500
%RSD		0.548	1.000	M 1.937
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		170.400	M 251.300	20.660
%RSD		0.821	M 0.625	2.612
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 6698.000	TM 238400.000	105.700
%RSD		TM 0.086	TM 0.545	0.218
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 293.900	136.400	M 554.300
%RSD		M 0.514	0.283	M 0.755
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		86.802%	M 265.700	0.920
%RSD		0.859	M 0.188	9.916
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.797	173.000	11.290
%RSD		4.483	0.080	2.062
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.671	-40.340
%RSD		0.000	1.211	16.560
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.095	86.870%	10.080
%RSD		8.705	0.824	2.069
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.842	M 755.200	0.000
%RSD		2.032	M 0.454	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.114%	0.740	1.643
%RSD		0.632	3.715	0.899
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		171.600	90.405%	
%RSD		0.712	0.611	

CCV 8 11/23/2012 18:04:33 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.664%	102.823%	98.064%
%RSD		0.507	0.132	1.332
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬ 103.536%	104.499%	104.943%
%RSD		┬0.572	0.585	1.951
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		┬0.000	┬ 106.430%	96.787%
%RSD		┬0.000	┬0.774	0.391
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		87.118%	89.319%	104.323%
%RSD		0.059	0.319	3.821
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		98.295%	99.441%	8.191
%RSD		0.518	0.733	12.090
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬99.892%	┬ 105.739%	97.600%
%RSD		┬0.164	┬0.603	0.458
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		98.562%	99.616%	104.174%
%RSD		0.875	0.623	1.022
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		86.606%	98.571%	-0.924
%RSD		0.687	0.278	27.940
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		101.043%	99.112%	106.415%
%RSD		0.846	0.308	0.926
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	105.483%	102.600
%RSD		0.000	0.312	28.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		107.836%	85.914%	106.072%
%RSD		0.233	0.088	0.885
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		106.108%	103.017%	0.000
%RSD		0.199	0.534	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		93.590%	106.107%	103.467%
%RSD		0.579	0.888	0.355
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		106.103%	84.601%	
%RSD		0.520	0.306	

CCB 8 11/23/2012 18:11:44 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		79.004%	0.068	0.730
%RSD		0.984	10.620	10.810
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		26.190	27.780	7.693
%RSD		2.041	40.580	7.207
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	30.410	42.520
%RSD		T 0.000	4.313	13.070
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		81.157%	82.866%	0.231
%RSD		0.283	1.049	75.140
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.037	-0.122	-1.839
%RSD		165.100	25.880	4.314
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.606	41.150	0.068
%RSD		3.987	5.684	8.353
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.083	0.100	0.995
%RSD		17.230	12.520	8.846
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		82.372%	0.155	0.070
%RSD		0.360	81.390	83.770
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.079	0.075	0.264
%RSD		12.640	10.510	22.940
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.046	-0.041
%RSD		0.000	21.130	2717.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.058	83.065%	0.418
%RSD		14.940	0.460	1.718
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.168	0.145	0.000
%RSD		20.530	27.680	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		89.009%	0.704	0.344
%RSD		0.376	11.010	3.971
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.139	88.579%	
%RSD		4.934	0.160	

240-17477 -a-6-l du, 11/23/2012 18:16:45 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		78.837%	6.855	43.600
%RSD		0.664	2.171	1.737
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		618.900	33410.000	TM 95340.000
%RSD		1.045	0.402	TM 0.426
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 9766.000	79520.000
%RSD		T 0.000	T 0.400	0.390
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		84.401%	86.891%	M 610.100
%RSD		0.283	0.285	M 1.748
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		182.300	M 237.200	24.460
%RSD		0.471	M 0.669	6.568
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 7885.000	TM 264500.000	120.100
%RSD		TM 0.165	TM 0.259	0.739
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 295.200	139.700	M 520.200
%RSD		M 0.573	1.124	M 1.052
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		83.937%	M 315.900	1.011
%RSD		1.012	M 0.561	7.774
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.584	179.200	13.780
%RSD		1.943	1.146	0.970
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.709	-37.910
%RSD		0.000	2.621	17.140
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.228	85.351%	10.390
%RSD		3.590	0.619	1.491
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		3.085	M 721.300	0.000
%RSD		0.832	M 0.301	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.771%	1.062	1.922
%RSD		0.573	2.711	1.714
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		196.500	87.532%	
%RSD		0.547	0.330	

240-17477 -a-6-g ms, 11/23/2012 18:21:44 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.699%	91.500	116.600
%RSD		0.165	0.465	1.133
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9990.000	39740.000	TM 106500.000
%RSD		0.258	0.282	TM 0.217
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 18780.000	74170.000
%RSD		T 0.000	T 0.527	0.318
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		85.454%	90.063%	M 820.400
%RSD		0.508	1.496	M 0.852
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 277.200	M 341.100	36.210
%RSD		M 0.109	M 0.123	14.780
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 7297.000	TM 271300.000	197.800
%RSD		TM 0.192	TM 0.343	0.367
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 374.300	M 217.000	M 586.100
%RSD		M 0.862	M 0.327	M 0.349
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		85.194%	M 313.100	0.473
%RSD		1.078	M 0.704	30.830
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		77.160	M 261.500	103.500
%RSD		1.982	M 0.197	0.569
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	93.030	-45.580
%RSD		0.000	0.438	78.740
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		90.040	87.248%	90.430
%RSD		0.514	0.670	0.860
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		29.270	M 801.300	0.000
%RSD		0.910	M 0.202	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.760%	63.340	92.610
%RSD		1.362	0.242	0.792
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 282.700	85.538%	
%RSD		TM 0.420	1.253	

240-17477 -a-7-c, 11/23/2012 18:28:53 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.675%	5.029	30.490
%RSD		0.819	1.649	1.944
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		435.500	27220.000	TM 76850.000
%RSD		0.984	0.477	TM 0.644
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 8563.000	42580.000
%RSD		T 0.000	T 0.771	0.443
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		86.195%	88.596%	M 458.800
%RSD		0.211	1.056	M 1.809
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		150.500	170.000	15.920
%RSD		1.245	0.513	8.793
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5218.000	TM 229200.000	97.890
%RSD		TM 0.612	TM 0.090	0.515
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 246.900	119.600	M 503.800
%RSD		M 0.426	1.008	M 0.622
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		84.989%	M 255.100	0.863
%RSD		0.359	M 0.603	3.792
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.718	110.200	9.835
%RSD		5.219	1.019	3.296
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.751	-42.870
%RSD		0.000	2.196	33.290
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.952	85.840%	7.821
%RSD		7.413	0.452	0.222
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.466	M 513.800	0.000
%RSD		1.580	M 0.716	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.638%	0.863	1.513
%RSD		0.903	7.378	2.030
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		151.800	89.448%	
%RSD		0.422	0.807	

CCV 9 11/23/2012 18:33:54 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		83.135%	102.557%	98.616%
%RSD		0.738	0.630	1.249
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		T 102.320%	103.268%	105.406%
%RSD		T 0.295	0.221	1.235
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	T 104.547%	96.325%
%RSD		T 0.000	T 0.650	0.065
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		85.102%	87.895%	96.649%
%RSD		0.319	0.577	2.338
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		97.247%	97.128%	8.492
%RSD		0.804	0.857	6.079
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		T 99.470%	T 104.244%	97.257%
%RSD		T 0.322	T 0.588	0.350
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		96.965%	97.757%	102.846%
%RSD		0.623	0.838	0.346
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		85.416%	98.265%	-0.846
%RSD		0.127	1.443	24.720
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		100.297%	98.323%	104.845%
%RSD		0.428	0.487	1.608
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	104.627%	-6.281
%RSD		0.000	0.584	298.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		106.625%	85.044%	104.618%
%RSD		1.067	0.080	0.384
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		104.163%	101.785%	0.000
%RSD		1.031	1.426	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		92.732%	105.864%	102.845%
%RSD		0.670	0.402	0.276
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		105.779%	83.894%	
%RSD		0.261	0.623	

CCB 9 11/23/2012 18:41:06 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		77.687%	0.072	1.023
%RSD		0.735	21.040	10.270
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		35.600	36.760	10.970
%RSD		5.866	7.757	12.490
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	33.680	50.020
%RSD		T 0.000	0.978	3.140
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		80.344%	82.577%	0.396
%RSD		0.129	0.345	66.900
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.181	-0.090	-2.698
%RSD		59.630	11.920	9.597
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.847	51.870	0.081
%RSD		1.685	4.976	19.680
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.111	0.132	0.894
%RSD		26.450	13.540	14.210
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		82.405%	0.146	0.063
%RSD		0.574	68.160	77.130
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.130	0.092	0.347
%RSD		64.170	12.400	26.200
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.072	0.035
%RSD		0.000	13.760	1201.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.074	82.973%	0.438
%RSD		19.130	0.871	10.660
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.200	0.193	0.000
%RSD		9.556	15.050	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		88.936%	0.756	0.397
%RSD		0.674	12.120	6.644
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.162	89.057%	
%RSD		4.733	0.295	

CRI-751770 11/23/2012 18:46:04 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		74.781%	110.866%	104.405%
%RSD		1.388	5.581	3.057
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		108.093%	109.728%	106.384%
%RSD		0.890	3.659	5.404
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	108.149%	96.645%
%RSD		T 0.000	0.812	1.322
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		76.054%	79.669%	92.705%
%RSD		0.200	0.528	7.323
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		95.375%	92.513%	-1.871
%RSD		5.399	0.602	29.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		127.952%	141.009%	101.322%
%RSD		1.365	4.502	5.137
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		98.987%	113.350%	110.978%
%RSD		12.360	5.752	4.746
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		78.336%	101.404%	-0.010
%RSD		0.727	3.758	413.700
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		104.558%	94.288%	93.709%
%RSD		12.730	0.824	0.572
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	117.504%	0.762
%RSD		0.000	7.553	277.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		115.400%	80.807%	103.183%
%RSD		18.580	0.279	0.885
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		108.068%	102.813%	0.000
%RSD		0.867	6.672	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		87.142%	100.648%	119.732%
%RSD		0.269	1.278	0.623
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		109.437%	86.618%	
%RSD		1.315	0.188	

MDLV 11/23/2012 18:51:06 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		72.873%	1.122	35.350
%RSD		0.515	6.430	5.422
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		465.500	268.600	47.340
%RSD		0.792	4.947	1.147
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	129.800	1085.000
%RSD		T 0.000	1.818	2.138
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		73.758%	77.725%	1.947
%RSD		0.426	0.379	21.490
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		1.018	4.446	-2.088
%RSD		4.756	0.842	22.790
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		8.560	357.900	0.178
%RSD		0.761	0.509	9.185
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		2.656	3.251	23.120
%RSD		5.550	2.350	3.373
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		79.855%	1.490	0.146
%RSD		0.201	3.061	35.180
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.776	2.459	3.937
%RSD		27.280	4.556	3.774
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.098	0.213
%RSD		0.000	16.430	1207.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.115	78.703%	108.200
%RSD		21.440	0.460	0.536
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		1.772	3.200	0.000
%RSD		0.768	4.518	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		86.349%	0.319	1.644
%RSD		0.477	7.450	1.082
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		2.192	85.506%	
%RSD		0.966	0.377	

ICSA 11/23/2012 18:56:11 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		76.301%	0.004	0.844
%RSD		0.731	46.590	33.950
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		T 51650.000	51840.000	M 49350.000
%RSD		T 0.441	0.250	M 0.525
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	T 52380.000	48920.000
%RSD		T 0.000	T 0.273	0.533
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		77.989%	84.273%	M 1022.000
%RSD		0.406	1.220	M 2.929
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.209	0.407	-1.733
%RSD		24.420	1.139	28.650
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.165	TM 52030.000	0.072
%RSD		2.462	TM 0.156	17.700
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.401	0.368	1.375
%RSD		4.178	22.210	15.680
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		83.755%	0.377	-0.102
%RSD		0.688	26.220	96.960
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.037	0.187	M 1003.000
%RSD		509.800	7.370	M 1.666
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.029	60.630
%RSD		0.000	22.960	23.270
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.158	83.281%	0.478
%RSD		47.250	0.615	7.658
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.206	0.127	0.000
%RSD		2.747	33.450	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		88.854%	0.237	0.144
%RSD		0.951	1.401	2.360
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.193	82.463%	
%RSD		5.831	0.647	

ICSAB 11/23/2012 19:01:11 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.389%	102.009%	97.959%
%RSD		0.504	0.483	1.727
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 103.394%	104.458%	M 99.408%
%RSD		T 0.696	1.022	M 0.308
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 106.490%	98.651%
%RSD		T 0.000	T 0.340	0.043
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		83.797%	88.027%	M 102.599%
%RSD		0.352	0.128	M 0.312
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		98.200%	99.037%	10.300
%RSD		0.598	0.770	3.199
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		104.913%	TM 104.774%	96.472%
%RSD		0.402	TM 0.922	0.956
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		97.663%	96.677%	102.546%
%RSD		1.754	0.888	1.451
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.416%	96.274%	-0.209
%RSD		0.746	0.468	72.930
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		99.176%	97.101%	M 1127.000
%RSD		1.769	0.930	M 1.371
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	104.728%	118.800
%RSD		0.000	0.613	14.550
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		106.968%	86.847%	106.028%
%RSD		1.054	0.618	0.655
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		104.907%	104.670%	0.000
%RSD		0.789	0.802	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		92.548%	105.806%	104.445%
%RSD		1.011	1.324	0.390
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		107.659%	85.288%	
%RSD		0.571	0.632	

CCV 11/23/2012 19:08:24 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		78.532%	103.230%	98.986%
%RSD		0.490	0.108	1.151
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬102.180%	101.491%	105.579%
%RSD		┬0.645	0.328	0.362
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		┬0.000	┬103.019%	96.008%
%RSD		┬0.000	┬0.094	0.093
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		82.752%	84.736%	100.735%
%RSD		0.348	0.390	1.901
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		96.365%	96.882%	9.180
%RSD		0.233	0.748	31.050
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬99.225%	┬103.500%	96.764%
%RSD		┬0.217	┬0.148	0.313
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		97.669%	97.786%	102.088%
%RSD		0.690	0.793	0.599
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		81.796%	98.174%	-0.717
%RSD		0.266	0.171	8.463
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		99.185%	98.062%	118.357%
%RSD		1.966	0.780	2.252
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	103.752%	62.550
%RSD		0.000	0.235	29.860
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		105.789%	82.994%	103.505%
%RSD		0.695	0.505	0.549
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		103.803%	100.288%	0.000
%RSD		1.180	1.116	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		90.743%	106.361%	102.371%
%RSD		0.567	0.510	0.682
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		104.235%	83.278%	
%RSD		0.662	0.432	

CCB 11/23/2012 19:15:36 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		73.940%	0.068	1.002
%RSD		1.235	15.290	22.280
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		30.960	32.430	10.080
%RSD		2.770	7.428	8.139
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	35.790	49.660
%RSD		T 0.000	1.754	24.110
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		75.851%	78.589%	0.448
%RSD		0.575	0.335	22.300
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.160	-0.103	-1.921
%RSD		98.630	14.690	28.010
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.897	43.430	0.087
%RSD		1.596	4.025	12.500
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.098	0.116	1.013
%RSD		11.590	23.370	20.070
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		78.756%	0.136	0.052
%RSD		0.134	29.670	158.400
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.032	0.089	2.797
%RSD		98.140	12.250	10.020
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.065	0.661
%RSD		0.000	9.725	232.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.046	80.331%	0.463
%RSD		9.798	0.528	4.682
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.238	0.164	0.000
%RSD		2.488	18.820	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		86.634%	0.957	0.454
%RSD		0.036	9.068	5.239
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.142	87.254%	
%RSD		4.547	1.034	

mb 240-65558/1-a, 11/23/2012 19:20:38 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		73.717%	0.004	1.164
%RSD		0.357	144.600	11.260
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		55.850	52.650	3.819
%RSD		1.231	12.490	21.710
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	45.670	202.000
%RSD		T 0.000	2.422	3.201
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		74.709%	78.309%	0.246
%RSD		0.128	0.190	20.410
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.040	0.202	-3.711
%RSD		151.000	16.770	6.296
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.766	34.610	0.012
%RSD		2.454	0.881	51.330
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.142	0.546	4.804
%RSD		17.130	12.640	11.620
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		77.608%	-0.079	0.579
%RSD		0.336	100.500	9.904
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.010	0.383	1.786
%RSD		285.700	4.442	4.984
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.006	0.806
%RSD		0.000	31.950	80.570
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.010	78.848%	26.290
%RSD		96.110	0.039	1.551
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.112	1.129	0.000
%RSD		7.570	2.213	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		87.147%	0.476	0.314
%RSD		0.602	7.699	4.435
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.315	85.051%	
%RSD		4.333	0.567	

lcs 240-65558/3-a, 11/23/2012 19:25:35 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		72.704%	M 923.900	87.100
%RSD		0.026	M 0.199	1.797
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		10370.000	10130.000	M 9807.000
%RSD		0.932	1.413	M 1.278
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 9887.000	9104.000
%RSD		T 0.000	T 0.317	0.484
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		73.580%	76.084%	97.040
%RSD		0.412	0.640	2.229
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 909.000	M 946.900	117.500
%RSD		M 0.274	M 0.445	6.760
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 967.500	T 10050.000	M 925.400
%RSD		T 0.242	T 0.955	M 0.783
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 934.000	M 942.000	M 909.400
%RSD		M 0.898	M 0.811	M 0.866
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		76.222%	M 844.200	-4.859
%RSD		0.772	M 0.443	6.208
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 801.700	M 904.500	95.860
%RSD		M 0.872	M 0.660	0.493
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	102.500	450.300
%RSD		0.000	0.739	26.370
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 969.300	78.227%	113.400
%RSD		M 0.184	0.586	0.237
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		94.180	M 957.400	0.000
%RSD		0.933	M 0.605	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		87.378%	95.000	TM 229.600
%RSD		0.473	0.610	TM 0.439
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 958.800	82.570%	
%RSD		TM 0.614	0.141	

240-17583 -c-8-a, 11/23/2012 19:32:47 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		50.169%	5.994	M 283.700
%RSD		1.016	1.943	M 1.745
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1396.000	M 261200.000	M 51550.000
%RSD		1.458	M 1.317	M 1.400
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 4183.000	TM 1007000.000
%RSD		T 0.000	T 0.579	TM 0.238
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		58.335%	60.746%	M 10410.000
%RSD		0.617	1.649	M 0.817
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 1822.000	TM 10110.000	1726.000
%RSD		M 0.225	TM 0.359	1.510
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 362000.000	TM 1487000.000	15.550
%RSD		TM 0.324	TM 0.279	1.154
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		44.120	M 366.700	M 755.800
%RSD		1.209	M 0.545	M 0.414
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		60.030%	19.840	1.022
%RSD		0.907	1.258	9.120
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		3.241	M 579.000	17.880
%RSD		13.580	M 0.624	0.917
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.446	-92.330
%RSD		0.000	6.842	24.280
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		3.504	63.630%	99.590
%RSD		1.549	1.001	0.488
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.870	M 783.800	0.000
%RSD		2.621	M 0.370	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		70.891%	M 204.000	1.029
%RSD		1.621	M 0.657	5.210
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 436.100	63.958%	
%RSD		TM 0.285	1.466	

SD 240-17583 -c-8-a@5, 11/23/2012 19:37:44 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		60.655%	1.891	80.900
%RSD		0.710	4.394	0.505
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		328.300	64080.000	M 12680.000
%RSD		1.894	0.055	M 0.848
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	948.600	M 231100.000
%RSD		T 0.000	0.641	M 0.355
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		61.541%	68.416%	M 2436.000
%RSD		0.247	1.290	M 0.241
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 453.000	M 2477.000	330.100
%RSD		M 0.550	M 0.484	0.569
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 95870.000	TM 365700.000	4.018
%RSD		TM 0.518	TM 0.485	3.350
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		11.980	100.000	M 225.200
%RSD		2.017	0.782	M 0.306
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		67.497%	5.628	0.316
%RSD		0.486	3.116	40.790
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.262	131.600	4.096
%RSD		16.990	0.490	3.148
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.130	-7.033
%RSD		0.000	4.919	171.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.093	71.411%	24.220
%RSD		9.906	0.713	0.392
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.873	182.900	0.000
%RSD		3.322	0.597	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		80.946%	51.800	0.410
%RSD		0.587	1.464	5.425
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		111.100	74.633%	
%RSD		0.628	0.762	

PDS 240-17583 -c-8-a, 11/23/2012 19:42:41 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		46.599%	M 758.600	M 373.100
%RSD		0.790	M 0.674	M 1.177
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		12070.000	M 322100.000	M 70610.000
%RSD		0.777	M 0.086	M 0.784
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 17150.000	TM 1230000.000
%RSD		T 0.000	T 1.766	TM 0.928
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		53.830%	59.182%	M 12520.000
%RSD		0.382	1.228	M 0.276
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 3115.000	TM 13030.000	2085.000
%RSD		M 0.312	TM 0.703	2.583
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 428900.000	TM 1776000.000	M 862.100
%RSD		TM 0.505	TM 0.957	M 0.937
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 835.000	M 1174.000	M 1564.000
%RSD		M 0.623	M 0.962	M 0.268
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		59.570%	M 742.200	-3.165
%RSD		0.897	M 0.707	20.490
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 662.500	M 1674.000	125.000
%RSD		M 1.276	M 0.620	1.534
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	84.830	365.400
%RSD		0.000	0.812	49.840
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 848.300	60.928%	M 214.700
%RSD		M 0.959	1.000	M 0.821
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		88.940	M 1964.000	0.000
%RSD		0.622	M 0.471	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		68.286%	M 337.700	TM 237.200
%RSD		0.979	M 1.042	TM 1.044
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1393.000	61.516%	
%RSD		TM 1.282	1.191	

240-17583 -c-8-b ms@5, 11/23/2012 19:49:17 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		57.626%	176.500	106.100
%RSD		0.793	0.761	2.326
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2288.000	71180.000	M 16730.000
%RSD		1.379	0.534	M 1.067
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 2821.000	M 253800.000
%RSD		T 0.000	T 1.011	M 0.378
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		59.500%	66.691%	M 2791.000
%RSD		0.864	1.074	M 0.558
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 689.600	M 2825.000	401.300
%RSD		M 0.717	M 0.201	5.140
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 103200.000	TM 378700.000	178.400
%RSD		TM 0.230	TM 0.616	0.426
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		191.500	M 272.500	M 421.600
%RSD		0.869	M 0.472	M 0.441
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		65.678%	176.300	-0.789
%RSD		0.619	0.290	27.520
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		166.400	M 318.700	22.230
%RSD		0.786	M 0.394	0.575
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	18.770	98.870
%RSD		0.000	0.614	88.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		185.700	70.176%	43.590
%RSD		0.489	0.378	1.170
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		7.367	M 377.900	0.000
%RSD		2.188	M 0.514	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		79.225%	71.250	47.320
%RSD		0.964	0.545	0.485
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 297.100	73.107%	
%RSD		TM 0.582	0.091	

240-17583 -c-8-c msd@5, 11/23/2012 19:55:51 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.943%	182.200	107.400
%RSD		0.393	0.218	1.237
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2303.000	81210.000	M 15860.000
%RSD		1.303	1.708	M 1.056
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 2803.000	M 235400.000
%RSD		T 0.000	T 0.810	M 0.188
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		57.807%	65.174%	M 2813.000
%RSD		0.391	0.702	M 1.499
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 765.400	M 2791.000	368.400
%RSD		M 0.772	M 0.711	3.355
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 107100.000	TM 395500.000	181.000
%RSD		TM 0.437	TM 0.559	0.218
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		184.300	M 270.900	M 361.800
%RSD		0.585	M 0.884	M 1.033
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.003%	176.900	-1.288
%RSD		0.661	0.906	26.740
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		167.100	M 318.700	23.330
%RSD		1.714	M 0.756	1.054
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	18.970	145.700
%RSD		0.000	1.444	89.470
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		190.400	67.938%	43.070
%RSD		1.168	0.159	0.593
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		7.263	M 366.500	0.000
%RSD		3.201	M 0.978	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		77.092%	70.960	44.840
%RSD		0.851	1.064	0.588
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		M 245.800	76.764%	
%RSD		M 0.922	0.360	

240-17583 -c-9-a, 11/23/2012 20:02:16 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		47.211%	6.697	173.200
%RSD		0.544	1.550	0.927
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1237.000	M 164900.000	TM 92210.000
%RSD		0.177	M 0.720	TM 0.790
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 9064.000	TM 785900.000
%RSD		T 0.000	T 0.809	TM 0.397
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		54.226%	59.250%	M 8162.000
%RSD		0.824	0.975	M 0.426
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 1371.000	TM 4862.000	759.300
%RSD		M 0.598	TM 0.293	2.981
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 237500.000	TM 1233000.000	51.100
%RSD		TM 0.404	TM 0.894	0.561
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		151.600	M 566.100	M 2390.000
%RSD		0.249	M 0.206	M 0.360
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		58.367%	59.280	0.938
%RSD		1.062	1.299	15.540
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.744	M 536.000	20.320
%RSD		2.346	M 0.340	1.650
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	1.440	-121.200
%RSD		0.000	2.517	21.210
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		15.800	62.619%	151.200
%RSD		1.776	1.972	0.484
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		8.579	M 1045.000	0.000
%RSD		2.652	M 0.505	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		70.357%	123.800	1.111
%RSD		1.476	1.122	1.561
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 695.400	104.474%	
%RSD		TM 0.575	0.893	

CCV 10 11/23/2012 20:07:14 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		64.124%	102.418%	99.770%
%RSD		0.497	0.293	1.275
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 104.331%	103.879%	104.616%
%RSD		┬0.775	0.748	1.037
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		┬0.000	┬ 107.305%	94.835%
%RSD		┬0.000	┬0.070	0.466
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		65.196%	75.836%	105.210%
%RSD		0.385	0.580	6.635
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		97.313%	98.212%	9.730
%RSD		0.686	0.371	25.480
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 103.918%	┬ 107.168%	96.996%
%RSD		┬0.084	┬0.729	0.944
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		97.515%	98.680%	103.327%
%RSD		0.291	1.132	1.112
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		73.898%	97.338%	-0.671
%RSD		0.445	1.167	4.839
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		99.566%	98.279%	104.828%
%RSD		0.576	0.080	1.007
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	104.716%	37.410
%RSD		0.000	0.352	140.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		105.984%	75.672%	104.924%
%RSD		1.123	0.550	0.664
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		104.581%	101.396%	0.000
%RSD		0.990	0.697	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		84.854%	109.778%	102.570%
%RSD		1.197	0.045	0.255
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		105.381%	78.321%	
%RSD		0.426	0.163	

CCB 10 11/23/2012 20:14:26 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		62.169%	0.089	2.393
%RSD		0.828	11.910	18.310
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		34.370	41.040	11.160
%RSD		5.516	8.078	4.289
Run	**Time**	**35Cl**	**39K**	**43Ca**	
		ppb	ppb	ppb
x		T 0.000	37.300	51.950
%RSD		T 0.000	0.696	17.330
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		65.927%	73.065%	1.015
%RSD		0.080	0.615	31.970
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.085	-0.091	-2.161
%RSD		140.200	19.470	10.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		1.654	53.450	0.089
%RSD		3.912	3.418	12.020
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.118	0.153	0.996
%RSD		40.340	30.730	4.326
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		73.025%	0.090	0.070
%RSD		0.416	29.570	138.300
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.018	0.115	0.510
%RSD		426.700	23.670	15.830
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.060	-0.981
%RSD		0.000	9.016	90.650
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.076	74.757%	0.425
%RSD		22.180	0.313	4.574
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.274	0.114	0.000
%RSD		9.948	39.180	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		81.528%	1.474	0.449
%RSD		0.621	8.993	4.868
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.168	82.476%	
%RSD		2.515	0.013	

240-17583 -d-10 -a, 11/23/2012 20:19:24 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		62.597%	6.490	57.000
%RSD		0.104	2.561	3.164
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		902.500	62050.000	TM 136600.000
%RSD		0.241	0.541	TM 0.115
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 13090.000	M 126200.000
%RSD		T 0.000	T 0.528	M 0.279
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		71.065%	78.014%	M 5036.000
%RSD		0.532	0.584	M 0.711
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 605.000	M 777.700	88.580
%RSD		M 0.903	M 0.490	10.130
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 37000.000	TM 416200.000	141.300
%RSD		TM 0.213	TM 0.432	0.653
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		160.200	M 212.000	M 1516.000
%RSD		1.115	M 0.788	M 0.239
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		73.774%	47.950	0.845
%RSD		1.080	0.205	6.176
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.670	M 206.500	14.260
%RSD		8.817	M 0.512	1.148
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	1.382	-62.100
%RSD		0.000	0.605	29.880
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		9.794	77.313%	43.490
%RSD		3.099	0.383	0.623
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		3.601	M 937.600	0.000
%RSD		1.270	M 0.480	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		85.272%	8.575	2.232
%RSD		1.183	0.655	2.056
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 518.800	81.431%	
%RSD		TM 1.049	1.719	

240-17583 -c-11 -a, 11/23/2012 20:24:22 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		42.914%	7.052	M 223.000
%RSD		0.143	1.068	M 1.028
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		914.300	M 279100.000	M 65020.000
%RSD		0.610	M 0.483	M 0.619
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	1980.000	TM 1455000.000
%RSD		T 0.000	0.183	TM 0.548
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		50.936%	53.867%	M 4824.000
%RSD		0.671	0.738	M 0.047
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 1539.000	TM 12430.000	1928.000
%RSD		M 0.493	TM 0.542	2.382
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 317500.000	TM 1632000.000	6.817
%RSD		TM 0.346	TM 0.368	1.947
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		18.760	M 230.400	106.400
%RSD		2.421	M 0.797	0.971
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		53.401%	8.626	1.228
%RSD		0.223	1.989	11.190
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		3.749	M 813.900	6.476
%RSD		10.680	M 0.763	1.807
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.102	-94.930
%RSD		0.000	13.910	8.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.299	56.768%	52.700
%RSD		6.893	0.277	0.930
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.667	M 770.000	0.000
%RSD		6.715	M 0.724	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		64.392%	139.800	0.391
%RSD		1.126	0.980	3.923
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		18.400	47.241%	
%RSD		0.516	1.151	

240-17583 -c-12 -a, 11/23/2012 20:29:23 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		50.898%	7.085	114.000
%RSD		0.301	0.490	2.937
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1213.000	M 129700.000	TM 86370.000
%RSD		0.909	M 0.662	TM 0.726
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 9692.000	TM 467700.000
%RSD		T 0.000	T 0.317	TM 1.029
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		56.940%	63.046%	M 5064.000
%RSD		0.696	0.942	M 0.545
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 710.200	M 2921.000	402.800
%RSD		M 0.483	M 0.263	2.607
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 111300.000	TM 771200.000	72.130
%RSD		TM 0.238	TM 0.521	0.218
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		170.100	M 537.100	M 5396.000
%RSD		1.003	M 0.146	M 0.280
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		61.465%	74.370	0.962
%RSD		0.914	1.513	5.443
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.453	M 411.300	33.120
%RSD		8.600	M 0.294	0.696
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	3.447	-100.300
%RSD		0.000	2.591	12.910
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		29.620	66.196%	164.100
%RSD		1.089	1.149	0.260
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		8.093	M 870.700	0.000
%RSD		0.412	M 0.204	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		76.631%	52.520	0.731
%RSD		1.372	0.452	1.657
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1053.000	168.320%	
%RSD		TM 0.597	0.539	

240-17583 -c-13 -a, 11/23/2012 20:34:26 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		65.068%	5.760	45.990
%RSD		0.954	1.693	1.867
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		819.600	50120.000	TM 130100.000
%RSD		1.049	0.622	TM 0.595
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 13240.000	50070.000
%RSD		T 0.000	T 0.327	0.252
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		72.635%	79.456%	M 5094.000
%RSD		0.099	0.467	M 0.112
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 446.500	M 324.400	38.810
%RSD		M 0.191	M 0.508	4.438
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 13350.000	TM 333900.000	132.300
%RSD		TM 0.218	TM 0.477	0.405
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		165.700	M 209.300	M 1312.000
%RSD		1.616	M 0.717	M 0.626
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		75.397%	44.850	0.840
%RSD		0.790	1.361	2.319
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.059	157.600	15.090
%RSD		6.109	0.653	1.063
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	1.221	-61.550
%RSD		0.000	5.041	15.870
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		7.177	78.536%	41.190
%RSD		1.786	0.259	0.687
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		3.759	M 885.900	0.000
%RSD		1.848	M 0.584	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		88.040%	6.994	2.101
%RSD		0.960	5.201	0.272
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 438.900	84.651%	
%RSD		TM 0.457	0.101	

240-17680 -f-1-a, 11/23/2012 20:39:25 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		55.834%	5.475	153.900
%RSD		0.364	2.215	0.569
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		22950.000	M 131300.000	M 62250.000
%RSD		0.896	M 0.997	M 0.946
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 16780.000	TM 887700.000
%RSD		T 0.000	T 0.675	TM 0.183
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		62.748%	69.951%	M 2572.000
%RSD		1.083	0.928	M 0.448
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		168.200	M 199.700	21.820
%RSD		0.875	M 1.128	13.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4694.000	TM 125900.000	37.640
%RSD		TM 0.279	TM 0.635	1.605
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		112.500	184.300	M 1396.000
%RSD		1.337	0.911	M 0.172
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		65.287%	45.890	1.037
%RSD		0.293	1.876	8.898
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.351	TM 1907.000	74.420
%RSD		6.451	TM 0.331	0.728
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.683	-67.630
%RSD		0.000	5.187	17.760
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		8.155	71.570%	34.560
%RSD		3.578	1.128	0.227
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		M 432.600	M 1049.000	0.000
%RSD		M 0.892	M 0.485	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		81.677%	3.785	1.191
%RSD		1.092	2.802	2.119
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 531.400	66.450%	
%RSD		TM 0.433	0.820	

240-17680 -f-2-a, 11/23/2012 20:44:26 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		56.159%	8.627	170.900
%RSD		0.918	0.926	2.851
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		8580.000	M 200400.000	TM 78720.000
%RSD		0.455	M 0.815	TM 0.835
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 17810.000	TM 1261000.000
%RSD		T 0.000	T 1.023	TM 0.411
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		63.782%	66.858%	M 2873.000
%RSD		0.204	0.646	M 1.487
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 206.200	M 263.900	28.160
%RSD		M 0.704	M 0.715	11.770
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 6645.000	TM 152900.000	45.850
%RSD		TM 0.490	TM 0.490	0.848
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		137.800	M 236.100	M 1066.000
%RSD		1.279	M 0.448	M 0.760
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		62.932%	59.610	1.254
%RSD		0.784	0.165	17.470
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		6.310	TM 4153.000	27.790
%RSD		3.253	TM 0.698	0.972
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.556	-99.590
%RSD		0.000	5.052	8.694
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		5.758	69.578%	34.580
%RSD		2.272	0.376	1.066
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		6.159	M 1190.000	0.000
%RSD		2.139	M 0.601	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		80.543%	2.900	1.305
%RSD		0.858	0.980	0.762
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 591.100	61.609%	
%RSD		TM 0.385	1.359	

240-17680 -f-3-a, 11/23/2012 20:49:23 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		58.277%	5.332	162.800
%RSD		1.126	0.888	3.366
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		12780.000	M 166600.000	M 66740.000
%RSD		1.141	M 1.099	M 0.922
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 20120.000	TM 935000.000
%RSD		T 0.000	T 0.813	TM 0.617
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		64.893%	68.236%	M 2718.000
%RSD		0.365	0.684	M 0.755
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 204.500	M 276.800	29.990
%RSD		M 0.411	M 0.588	10.260
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5006.000	TM 134500.000	46.600
%RSD		TM 0.502	TM 0.824	1.102
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		133.300	M 224.500	M 2135.000
%RSD		1.146	M 0.773	M 0.806
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.901%	65.190	1.117
%RSD		0.889	1.070	5.340
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.254	TM 1790.000	127.700
%RSD		4.873	TM 0.698	2.869
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.661	-111.400
%RSD		0.000	1.092	16.460
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		9.099	71.019%	38.440
%RSD		2.116	0.647	0.771
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		M 741.500	M 935.700	0.000
%RSD		M 0.218	M 0.405	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		81.803%	3.482	1.484
%RSD		0.584	4.056	1.500
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 456.800	67.672%	
%RSD		TM 0.243	0.909	

240-17680 -f-4-a, 11/23/2012 20:54:21 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		55.462%	5.888	142.800
%RSD		0.766	2.127	1.638
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9316.000	M 180500.000	M 70520.000
%RSD		0.980	M 0.585	M 0.608
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 17640.000	TM 1277000.000
%RSD		T 0.000	T 0.351	TM 0.480
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		61.691%	63.997%	M 2894.000
%RSD		0.476	1.118	M 0.237
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 205.500	M 237.900	23.110
%RSD		M 0.613	M 0.311	7.793
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5821.000	TM 150400.000	46.020
%RSD		TM 0.246	TM 0.552	0.820
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		141.800	M 260.600	M 1087.000
%RSD		0.212	M 1.003	M 0.348
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		60.516%	56.200	1.209
%RSD		0.292	0.378	3.619
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.365	TM 3093.000	28.580
%RSD		1.668	TM 0.355	0.433
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.882	-94.750
%RSD		0.000	3.853	22.500
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		6.277	67.655%	36.870
%RSD		5.487	0.463	0.381
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		10.720	M 1156.000	0.000
%RSD		6.281	M 0.426	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		76.760%	3.440	1.399
%RSD		1.184	0.731	2.843
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 664.700	59.623%	
%RSD		TM 0.846	0.402	

mb 240-65743/1-a, 11/23/2012 20:59:24 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		70.438%	0.010	3.187
%RSD		0.662	93.230	12.530
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		50.970	70.100	16.680
%RSD		2.985	27.640	31.340
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	48.200	403.200
%RSD		T 0.000	2.565	5.133
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		76.482%	79.963%	4.910
%RSD		0.323	0.260	14.410
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.086	0.591	-4.596
%RSD		91.000	8.612	10.740
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		4.410	86.200	0.031
%RSD		8.921	18.580	19.280
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.435	0.673	5.395
%RSD		15.900	4.711	8.318
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		81.981%	0.036	0.643
%RSD		0.269	197.800	4.276
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.017	0.634	0.442
%RSD		313.200	18.390	31.950
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	-0.727
%RSD		0.000	161.500	106.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.022	82.608%	18.970
%RSD		66.530	0.497	1.327
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.021	0.946	0.000
%RSD		6.974	6.090	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		89.331%	0.292	0.087
%RSD		1.013	9.067	6.638
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.433	88.591%	
%RSD		10.320	0.770	

lcs 240-65743/2-a, 11/23/2012 21:04:22 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		63.392%	M 927.900	87.220
%RSD		0.508	M 0.358	0.582
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9641.000	9479.000	M 9069.000
%RSD		0.544	1.714	M 0.882
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 9892.000	8958.000
%RSD		T 0.000	T 0.142	0.317
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		69.724%	76.484%	96.320
%RSD		0.284	0.372	3.109
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 879.300	M 906.800	104.900
%RSD		M 0.411	M 0.435	3.177
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 957.800	T 9802.000	M 897.200
%RSD		T 0.317	T 0.588	M 0.656
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 913.800	M 922.000	M 854.800
%RSD		M 0.499	M 0.431	M 0.893
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		76.011%	M 824.900	-4.674
%RSD		0.256	M 0.065	9.316
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 773.000	M 868.300	92.030
%RSD		M 0.589	M 0.436	0.698
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	100.700	622.600
%RSD		0.000	0.407	11.710
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 920.400	78.726%	111.200
%RSD		M 0.211	0.279	1.420
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		91.310	M 937.000	0.000
%RSD		1.231	M 0.705	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		87.319%	90.450	TM 222.200
%RSD		0.438	1.270	TM 0.364
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 932.300	82.577%	
%RSD		TM 0.609	0.328	

CCV 11 11/23/2012 21:11:34 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		60.747%	108.724%	101.227%
%RSD		1.050	0.616	0.869
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 102.284%	100.228%	104.270%
%RSD		┬0.774	1.518	0.762
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		┬0.000	┬ 104.687%	95.118%
%RSD		┬0.000	┬0.557	0.069
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		68.608%	74.724%	101.860%
%RSD		0.852	0.494	0.789
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		98.454%	98.309%	10.080
%RSD		0.249	0.480	13.730
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 103.669%	┬ 104.987%	98.276%
%RSD		┬0.227	┬0.765	0.391
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		99.202%	100.076%	101.581%
%RSD		0.417	1.804	2.083
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		73.643%	98.902%	-0.819
%RSD		1.263	0.929	21.510
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		100.606%	97.797%	106.481%
%RSD		2.872	0.652	0.929
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	105.726%	56.930
%RSD		0.000	0.207	113.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		105.497%	75.036%	104.218%
%RSD		0.689	0.898	0.194
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		104.748%	103.020%	0.000
%RSD		0.604	0.899	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		82.273%	106.377%	102.907%
%RSD		1.111	0.750	0.555
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		105.632%	75.273%	
%RSD		0.835	0.268	

CCB 11 11/23/2012 21:18:45 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		62.486%	0.099	2.229
%RSD		0.590	7.522	14.990
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		36.660	40.470	13.980
%RSD		2.616	7.716	18.980
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	43.290	71.450
%RSD		T 0.000	5.153	5.054
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		68.972%	72.701%	0.519
%RSD		0.561	0.188	48.030
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.230	0.023	-2.153
%RSD		112.200	109.100	36.830
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		6.700	75.560	0.115
%RSD		1.331	2.777	14.610
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.113	0.199	0.848
%RSD		25.210	28.200	9.157
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		73.375%	0.243	0.044
%RSD		0.846	35.130	210.100
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.163	0.128	0.532
%RSD		56.040	11.730	21.010
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.071	-1.644
%RSD		0.000	16.420	101.700
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.068	74.363%	0.409
%RSD		8.922	1.003	5.797
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.699	0.196	0.000
%RSD		6.614	23.530	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		80.757%	0.970	0.488
%RSD		0.270	9.807	2.631
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.226	80.284%	
%RSD		4.105	0.105	

240-17766 -c-1-a, 11/23/2012 21:23:51 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		57.064%	4.207	35.450
%RSD		0.616	1.729	5.813
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2214.000	49450.000	M 62480.000
%RSD		1.299	1.117	M 0.755
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 6948.000	71970.000
%RSD		T 0.000	T 0.491	0.160
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		65.504%	72.512%	M 5803.000
%RSD		0.840	1.242	M 0.678
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 388.000	146.400	11.410
%RSD		M 0.997	1.628	6.302
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2433.000	TM 175000.000	57.840
%RSD		TM 0.120	TM 1.421	1.287
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		142.100	176.600	M 259.800
%RSD		1.115	0.914	M 0.943
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		71.457%	24.600	1.127
%RSD		0.963	0.654	12.870
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.457	139.100	2.097
%RSD		12.440	0.401	2.044
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.185	-68.790
%RSD		0.000	5.873	10.740
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.717	73.441%	12.430
%RSD		7.951	1.315	1.930
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.799	M 336.200	0.000
%RSD		3.815	M 0.691	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		91.823%	1.283	0.879
%RSD		1.493	1.372	1.131
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		40.420	74.628%	
%RSD		0.266	1.122	

SD 240-17766 -c-1-a@5, 11/23/2012 21:28:50 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		57.452%	0.952	9.200
%RSD		0.372	12.500	8.588
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		471.800	10490.000	M 13290.000
%RSD		1.394	0.708	M 0.173
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	1514.000	15200.000
%RSD		T 0.000	0.627	0.510
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		66.236%	71.696%	M 1211.000
%RSD		0.166	0.241	M 1.403
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		80.980	30.770	0.622
%RSD		1.053	0.725	36.130
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 519.700	T 36780.000	12.150
%RSD		T 0.302	T 0.176	0.912
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		30.600	39.070	60.540
%RSD		2.153	0.862	1.524
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		72.595%	5.436	0.243
%RSD		0.986	4.986	29.310
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.652	28.070	0.197
%RSD		28.080	0.360	40.000
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.046	-20.850
%RSD		0.000	11.040	14.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.182	73.851%	2.774
%RSD		7.657	0.358	1.895
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.656	71.910	0.000
%RSD		3.200	1.190	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		84.570%	0.465	0.298
%RSD		0.711	4.857	3.059
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		8.243	79.822%	
%RSD		0.132	0.343	

PDS 240-17766 -c-1-a, 11/23/2012 21:33:48 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.862%	M 999.100	126.500
%RSD		1.172	M 0.950	2.819
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		12130.000	57410.000	M 68800.000
%RSD		1.089	1.012	M 0.534
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 17020.000	78620.000
%RSD		T 0.000	T 0.510	0.081
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		64.134%	68.919%	M 5669.000
%RSD		0.413	0.527	M 0.897
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 1298.000	M 1079.000	124.900
%RSD		M 1.156	M 1.397	0.580
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3331.000	TM 179700.000	M 975.100
%RSD		TM 0.430	TM 1.368	M 1.109
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 1054.000	M 1090.000	M 1160.000
%RSD		M 1.233	M 1.169	M 0.952
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		66.981%	M 917.400	-5.611
%RSD		0.846	M 0.822	7.198
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 864.800	M 1070.000	105.000
%RSD		M 1.234	M 1.064	0.773
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	104.900	426.900
%RSD		0.000	0.478	21.690
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 1006.000	69.113%	117.400
%RSD		M 0.643	0.258	0.843
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		102.400	M 1292.000	0.000
%RSD		0.710	M 0.401	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		88.303%	97.000	TM 243.000
%RSD		0.959	1.029	TM 0.622
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1047.000	72.258%	
%RSD		TM 0.751	0.133	

240-17766 -c-1-b ms, 11/23/2012 21:41:02 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.318%	M 896.800	109.300
%RSD		0.569	M 0.374	2.409
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		11240.000	55780.000	M 71490.000
%RSD		1.501	1.066	M 1.020
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 15990.000	67640.000
%RSD		T 0.000	T 0.585	0.216
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		63.772%	67.711%	M 4119.000
%RSD		0.284	0.521	M 0.568
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 1179.000	M 1009.000	118.500
%RSD		M 1.182	M 0.853	9.636
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3115.000	TM 160400.000	M 911.800
%RSD		TM 0.359	TM 0.923	M 0.654
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 990.900	M 1012.000	M 1027.000
%RSD		M 0.131	M 0.364	M 0.602
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		66.320%	M 795.200	-3.946
%RSD		0.450	M 0.462	15.510
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 711.900	M 1014.000	91.520
%RSD		M 0.554	M 0.259	0.057
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	93.770	393.300
%RSD		0.000	0.952	16.840
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 891.500	69.034%	95.370
%RSD		M 0.760	0.439	1.071
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		33.290	M 1243.000	0.000
%RSD		2.384	M 0.608	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		86.125%	62.620	TM 224.400
%RSD		0.928	1.011	TM 0.605
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 964.500	71.624%	
%RSD		TM 0.965	0.244	

240-17766 -c-1-c msd, 11/23/2012 21:48:16 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.393%	M 946.400	109.800
%RSD		0.338	M 0.623	1.350
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		11190.000	56490.000	M 70570.000
%RSD		1.424	1.902	M 1.412
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 15590.000	72510.000
%RSD		T 0.000	T 0.070	0.188
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		63.726%	67.183%	M 4536.000
%RSD		0.350	1.008	M 1.102
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 1161.000	M 993.300	117.300
%RSD		M 0.861	M 0.795	7.801
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3395.000	TM 171200.000	M 885.800
%RSD		TM 0.199	TM 1.397	M 0.758
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 979.000	M 999.700	M 1101.000
%RSD		M 0.536	M 0.580	M 0.640
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		65.714%	M 844.500	-4.827
%RSD		0.543	M 0.274	16.410
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 806.700	M 971.700	86.030
%RSD		M 0.978	M 0.644	1.852
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	92.890	485.300
%RSD		0.000	0.782	12.380
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 930.100	67.572%	94.490
%RSD		M 0.345	0.348	1.482
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		33.170	M 1195.000	0.000
%RSD		0.578	M 0.431	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		85.209%	56.390	TM 216.700
%RSD		0.363	1.813	TM 0.767
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 936.100	71.936%	
%RSD		TM 1.072	0.253	

240-17766 -c-2-a, 11/23/2012 21:55:30 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.489%	4.165	28.810
%RSD		0.169	2.104	1.887
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2077.000	55880.000	M 65600.000
%RSD		1.602	0.973	M 0.853
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 5068.000	60360.000
%RSD		T 0.000	T 0.357	0.229
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		64.401%	66.688%	M 6328.000
%RSD		0.144	0.559	M 0.209
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 415.500	135.000	10.500
%RSD		M 0.103	0.649	21.470
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2938.000	TM 200600.000	77.380
%RSD		TM 0.327	TM 0.544	0.537
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		167.900	M 217.600	M 322.700
%RSD		0.436	M 0.323	M 0.855
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.786%	26.590	1.034
%RSD		0.424	1.295	17.380
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.782	145.100	4.077
%RSD		8.253	0.252	10.840
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.225	-100.500
%RSD		0.000	9.316	1.837
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.754	67.521%	14.100
%RSD		3.628	0.459	0.645
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.842	M 337.700	0.000
%RSD		4.005	M 0.047	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		87.072%	2.788	1.324
%RSD		0.466	7.715	3.761
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		38.820	70.092%	
%RSD		0.653	0.261	

240-17766 -d-3-a, 11/23/2012 22:00:31 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		55.760%	4.698	29.010
%RSD		0.842	2.052	3.930
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1549.000	50700.000	M 72830.000
%RSD		1.199	0.563	M 0.603
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 6237.000	39700.000
%RSD		T 0.000	T 0.766	0.566
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		64.400%	67.867%	M 5301.000
%RSD		0.312	0.444	M 0.783
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 335.800	154.200	12.040
%RSD		M 0.579	0.855	6.823
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3793.000	TM 205500.000	75.190
%RSD		TM 0.492	TM 0.475	0.298
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		175.100	M 252.600	M 296.500
%RSD		1.018	M 0.805	M 0.707
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		66.000%	24.060	0.983
%RSD		1.145	2.526	7.591
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		3.020	94.390	3.443
%RSD		10.770	0.341	6.494
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.215	-141.900
%RSD		0.000	5.128	7.262
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.771	68.604%	14.310
%RSD		6.479	0.245	1.018
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.287	M 463.500	0.000
%RSD		2.444	M 0.735	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		87.111%	1.406	1.264
%RSD		1.086	0.463	1.547
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		40.740	71.508%	
%RSD		0.912	0.682	

240-17766 -g-4-a, 11/23/2012 22:05:34 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		53.540%	6.938	52.230
%RSD		0.685	2.240	1.739
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2427.000	52250.000	M 72950.000
%RSD		0.532	0.518	M 0.530
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 6052.000	M 154900.000
%RSD		T 0.000	T 0.289	M 0.441
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		63.265%	67.011%	M 5985.000
%RSD		0.307	0.576	M 1.046
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 329.000	165.800	15.180
%RSD		M 0.922	0.608	17.350
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 11060.000	TM 206700.000	64.700
%RSD		TM 0.273	TM 0.875	1.337
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		164.700	M 237.800	M 306.100
%RSD		1.315	M 0.788	M 1.552
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.387%	27.410	1.035
%RSD		0.506	1.377	7.051
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		3.912	M 273.300	2.842
%RSD		4.246	M 0.889	10.330
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.340	-121.000
%RSD		0.000	4.277	26.520
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.971	68.036%	15.050
%RSD		8.480	0.404	1.604
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.375	M 521.500	0.000
%RSD		0.551	M 0.679	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		86.261%	1.386	0.978
%RSD		0.994	0.992	1.597
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		68.390	69.772%	
%RSD		0.516	0.319	

240-17766 -d-5-a, 11/23/2012 22:10:33 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		50.823%	11.760	105.900
%RSD		0.458	1.337	1.645
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		4287.000	32070.000	TM 90370.000
%RSD		0.377	0.747	TM 0.426
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 42790.000	M 237900.000
%RSD		T 0.000	T 0.642	M 0.193
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		60.943%	65.168%	M 3102.000
%RSD		0.273	0.611	M 0.648
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 206.500	M 234.300	23.260
%RSD		M 0.487	M 0.438	4.162
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 15590.000	TM 557900.000	41.640
%RSD		TM 0.136	TM 0.092	0.245
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		158.400	M 1452.000	M 5264.000
%RSD		0.671	M 0.678	M 0.472
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.316%	58.960	0.929
%RSD		1.054	1.318	8.289
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.813	M 1042.000	22.500
%RSD		13.590	M 0.034	1.567
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	18.750	-134.200
%RSD		0.000	1.141	28.740
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		15.400	69.021%	121.600
%RSD		2.438	0.451	0.209
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		3.808	M 905.100	0.000
%RSD		3.872	M 0.397	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		80.195%	3.482	2.220
%RSD		0.946	0.136	0.428
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 853.100	219.885%	
%RSD		TM 0.293	0.579	

240-17766 -c-6-a@5, 11/23/2012 22:15:32 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		52.790%	4.486	44.980
%RSD		0.513	3.593	1.167
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		550.200	13040.000	M 24160.000
%RSD		0.379	0.806	M 0.583
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 2498.000	97430.000
%RSD		T 0.000	T 0.916	0.470
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		58.310%	62.433%	M 1160.000
%RSD		0.099	0.577	M 2.249
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		59.660	158.600	17.110
%RSD		0.884	0.949	5.466
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 9589.000	TM 360100.000	19.040
%RSD		TM 0.189	TM 0.483	1.492
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		57.970	M 279.100	M 2197.000
%RSD		0.843	M 0.939	M 0.337
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		63.433%	30.160	0.291
%RSD		0.358	2.296	12.290
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.903	174.900	16.720
%RSD		4.142	0.512	1.900
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	1.110	-53.390
%RSD		0.000	2.886	32.460
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		6.759	66.051%	56.200
%RSD		3.395	0.770	0.714
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		3.973	M 331.800	0.000
%RSD		1.698	M 1.311	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		77.293%	2.624	0.900
%RSD		0.673	0.965	0.753
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 339.500	244.410%	
%RSD		TM 0.369	0.360	

CCV 12 11/23/2012 22:20:32 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		52.292%	104.723%	98.107%
%RSD		0.304	0.903	2.402
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 102.086%	102.061%	105.241%
%RSD		┬0.429	0.770	1.072
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		┬0.000	┬ 107.246%	94.879%
%RSD		┬0.000	┬0.436	0.210
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		56.765%	65.396%	105.440%
%RSD		0.715	0.648	3.647
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		97.472%	98.294%	8.827
%RSD		1.098	0.868	3.995
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 105.093%	┬ 106.349%	97.002%
%RSD		┬0.404	┬1.006	1.063
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		98.032%	98.974%	102.747%
%RSD		0.719	0.254	1.528
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.388%	98.075%	-0.830
%RSD		0.387	1.133	25.330
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		98.845%	98.369%	105.934%
%RSD		0.871	0.577	0.783
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	106.249%	-40.380
%RSD		0.000	0.948	135.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		107.870%	66.463%	105.858%
%RSD		0.873	0.349	1.127
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		106.886%	102.555%	0.000
%RSD		1.156	1.072	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		76.822%	107.290%	102.608%
%RSD		1.135	1.133	0.464
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		107.709%	70.791%	
%RSD		0.908	0.431	

CCB 12 11/23/2012 22:27:45 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.484%	0.137	1.760
%RSD		0.531	23.630	23.180
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		40.530	52.210	15.650
%RSD		3.526	5.454	1.637
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	47.300	95.160
%RSD		T 0.000	1.686	6.710
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		60.609%	65.664%	1.136
%RSD		0.534	0.566	50.870
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.306	0.042	-3.143
%RSD		34.460	73.500	9.302
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		7.485	84.320	0.113
%RSD		0.249	3.698	18.730
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.159	0.201	1.116
%RSD		32.990	24.970	15.860
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		66.903%	0.173	0.024
%RSD		1.103	58.950	383.500
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.112	0.158	0.476
%RSD		86.360	12.320	31.090
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.077	0.292
%RSD		0.000	4.973	681.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.120	67.932%	0.432
%RSD		15.620	0.266	20.080
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.294	0.215	0.000
%RSD		10.910	35.020	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		76.743%	0.895	0.444
%RSD		0.277	14.300	4.783
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.312	76.881%	
%RSD		2.726	0.509	

240-17766 -c-7-a, 11/23/2012 22:32:43 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.545%	11.080	116.900
%RSD		0.337	1.355	1.591
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		10660.000	30690.000	TM 145600.000
%RSD		0.510	0.321	TM 0.360
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	TM 119600.000	M 171700.000
%RSD		T 0.000	TM 0.572	M 0.183
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		65.116%	70.779%	M 3730.000
%RSD		0.684	1.062	M 0.507
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 286.600	M 244.700	26.040
%RSD		M 0.556	M 0.094	19.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 21900.000	TM 516700.000	45.110
%RSD		TM 0.420	TM 0.125	0.684
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		130.900	M 1047.000	M 7961.000
%RSD		0.942	M 0.511	M 0.434
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		69.633%	62.950	0.853
%RSD		1.765	1.396	20.260
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.164	M 881.900	16.480
%RSD		15.070	M 0.416	1.109
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	18.570	-41.660
%RSD		0.000	2.020	47.980
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		17.670	75.326%	183.900
%RSD		0.338	1.328	0.446
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		3.084	M 1032.000	0.000
%RSD		1.357	M 0.494	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		80.921%	4.214	4.749
%RSD		1.613	1.422	0.375
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1674.000	171.636%	
%RSD		TM 0.355	1.235	

240-17766 -c-8-a, 11/23/2012 22:37:42 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		59.031%	10.600	59.820
%RSD		0.368	1.281	3.175
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1497.000	M 105300.000	TM 257800.000
%RSD		0.687	M 0.127	TM 0.282
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 21650.000	48100.000
%RSD		T 0.000	T 0.298	0.452
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		74.148%	76.097%	M 6039.000
%RSD		0.512	0.563	M 0.483
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 571.700	M 479.000	50.750
%RSD		M 0.330	M 0.465	4.879
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2747.000	TM 363800.000	116.600
%RSD		TM 0.159	TM 0.291	0.031
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 297.600	M 304.700	M 552.000
%RSD		M 0.643	M 0.043	M 0.899
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		69.767%	30.780	1.128
%RSD		0.260	0.387	4.476
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.192	M 215.900	3.523
%RSD		5.914	M 0.488	1.993
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.467	-146.800
%RSD		0.000	5.028	10.210
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.330	71.380%	16.800
%RSD		10.190	0.668	2.035
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.017	M 1292.000	0.000
%RSD		1.264	M 0.102	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		81.725%	1.729	2.096
%RSD		0.187	0.775	0.720
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		113.200	73.723%	
%RSD		0.925	0.458	

240-17766 -c-9-a, 11/23/2012 22:42:41 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		57.886%	5.068	26.420
%RSD		0.283	3.035	3.413
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1332.000	45790.000	M 75440.000
%RSD		1.175	1.098	M 0.686
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 6184.000	33750.000
%RSD		T 0.000	T 0.474	0.302
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		65.420%	68.653%	M 5987.000
%RSD		0.082	0.983	M 0.708
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 365.200	190.800	16.740
%RSD		M 0.714	0.554	10.650
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3801.000	TM 240400.000	76.090
%RSD		TM 0.210	TM 1.033	0.622
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		185.200	M 370.700	M 468.100
%RSD		1.194	M 1.039	M 1.069
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		66.077%	34.860	1.108
%RSD		0.235	0.578	5.793
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.016	133.300	4.403
%RSD		7.627	0.653	1.346
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.399	-108.300
%RSD		0.000	1.971	12.230
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.949	67.913%	14.790
%RSD		5.905	0.342	2.407
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		23.890	M 413.000	0.000
%RSD		2.165	M 0.560	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		89.762%	1.239	1.081
%RSD		0.087	3.257	0.472
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 2265.000	76.183%	
%RSD		TM 0.882	0.782	

240-17766 -c-10 -a@5, 11/23/2012 22:47:44 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		56.346%	1.795	22.660
%RSD		0.465	5.498	3.448
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		426.000	5976.000	M 9079.000
%RSD		0.324	2.065	M 0.589
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	998.100	38000.000
%RSD		T 0.000	0.616	0.412
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		61.586%	66.771%	M 429.900
%RSD		0.247	0.353	M 1.635
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		24.980	122.400	13.200
%RSD		1.767	0.174	7.417
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3665.000	TM 128800.000	17.190
%RSD		TM 0.418	TM 0.482	2.220
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		63.000	175.600	M 1048.000
%RSD		0.773	1.721	M 0.824
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		66.946%	18.420	0.219
%RSD		1.277	0.502	16.790
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		3.198	91.430	22.370
%RSD		16.650	0.827	1.696
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.417	-69.130
%RSD		0.000	2.771	34.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		3.390	69.312%	12.340
%RSD		7.330	0.799	1.151
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.204	163.400	0.000
%RSD		2.277	0.918	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		80.214%	2.268	0.641
%RSD		0.045	1.157	0.555
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 386.100	78.817%	
%RSD		TM 0.225	0.266	

240-17766 -c-11 -a, 11/23/2012 22:52:42 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		53.021%	11.600	87.150
%RSD		0.552	0.655	2.532
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2918.000	92310.000	TM 166200.000
%RSD		0.351	0.267	TM 0.389
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 26510.000	M 145200.000
%RSD		T 0.000	T 0.386	M 0.209
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		65.157%	69.966%	M 6332.000
%RSD		0.412	0.991	M 0.493
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 446.500	M 339.700	33.650
%RSD		M 0.844	M 0.710	4.737
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 7117.000	TM 302500.000	109.800
%RSD		TM 0.150	TM 0.344	0.717
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 320.100	M 331.500	M 570.300
%RSD		M 0.993	M 0.620	M 0.117
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		65.132%	35.980	1.111
%RSD		0.463	0.732	12.200
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.899	M 341.000	3.793
%RSD		5.146	M 0.846	4.922
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.568	-191.200
%RSD		0.000	3.080	6.641
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.078	68.459%	22.340
%RSD		6.033	0.441	1.003
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.119	M 1542.000	0.000
%RSD		2.929	M 0.259	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		90.157%	1.503	2.017
%RSD		0.646	2.301	1.428
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		M 254.600	71.114%	
%RSD		M 0.331	0.605	

240-17766 -c-12 -a, 11/23/2012 22:57:42 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		44.061%	42.120	M 553.200
%RSD		0.668	1.263	M 1.671
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		8117.000	M 229700.000	TM 232300.000
%RSD		0.345	M 0.838	TM 0.134
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 25180.000	TM 1501000.000
%RSD		0.000	T 0.773	TM 0.202
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		56.726%	59.796%	M 8245.000
%RSD		0.684	0.778	M 0.846
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		147.500	162.400	15.240
%RSD		0.267	0.317	36.090
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 47550.000	TM 138600.000	20.940
%RSD		TM 0.395	TM 0.512	1.058
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		45.910	75.970	158.900
%RSD		1.709	1.686	0.878
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		50.770%	25.670	1.292
%RSD		1.308	0.958	13.220
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		42.360	TM 2549.000	1.943
%RSD		1.144	TM 0.385	5.154
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.326	-309.600
%RSD		0.000	11.130	14.280
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.269	57.631%	13.710
%RSD		6.903	1.412	1.655
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.818	M 3510.000	0.000
%RSD		4.112	M 0.214	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		80.642%	1.033	0.711
%RSD		1.320	3.399	1.610
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		133.800	51.199%	
%RSD		0.667	0.917	

240-17766 -c-13 -a@5, 11/23/2012 23:02:41 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		59.879%	6.590	56.160
%RSD		0.057	0.882	4.430
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		755.200	13040.000	M 27270.000
%RSD		0.547	0.877	M 0.400
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 2427.000	M 144200.000
%RSD		T 0.000	T 0.730	M 0.311
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		66.720%	70.711%	M 771.000
%RSD		0.542	0.470	M 0.950
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		32.200	61.400	5.366
%RSD		1.121	0.527	6.002
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 9446.000	TM 207900.000	11.910
%RSD		TM 0.526	TM 0.257	1.690
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		22.700	87.010	M 596.800
%RSD		2.557	2.463	M 0.706
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		70.326%	21.060	0.320
%RSD		0.635	0.505	35.060
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.461	M 270.000	5.418
%RSD		2.209	M 0.341	1.993
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.877	-123.100
%RSD		0.000	1.147	27.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		3.569	73.056%	21.060
%RSD		5.750	0.354	1.833
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.760	M 464.400	0.000
%RSD		1.609	M 0.706	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		83.911%	20.900	1.675
%RSD		0.366	1.333	0.625
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 317.600	78.458%	
%RSD		TM 0.118	0.618	

240-17766 -c-14 -a, 11/23/2012 23:07:43 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		57.241%	5.819	51.400
%RSD		0.787	1.764	2.291
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1898.000	67340.000	TM 103100.000
%RSD		0.265	0.238	TM 0.497
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 12100.000	87760.000
%RSD		T 0.000	T 0.932	0.363
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		68.633%	70.759%	M 4795.000
%RSD		0.205	0.489	M 0.974
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 366.400	M 232.800	24.000
%RSD		M 0.564	M 0.564	6.384
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 11480.000	TM 236500.000	84.010
%RSD		TM 0.364	TM 0.244	0.806
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 221.600	M 233.900	M 441.700
%RSD		M 0.379	M 0.633	M 0.535
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		66.812%	28.600	1.192
%RSD		0.314	1.647	14.630
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		3.015	168.100	1.850
%RSD		9.694	0.725	5.007
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.295	-154.700
%RSD		0.000	5.444	7.059
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.073	70.273%	16.770
%RSD		2.846	0.675	0.942
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.513	M 780.000	0.000
%RSD		4.948	M 0.382	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		90.676%	1.594	1.185
%RSD		0.814	7.341	2.400
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		64.070	71.025%	
%RSD		0.854	0.037	

240-17770 -f-8-a, 11/23/2012 23:12:47 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		59.520%	10.970	19.670
%RSD		1.230	0.289	1.958
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		447.300	25130.000	TM 164000.000
%RSD		1.212	1.084	TM 0.441
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 10040.000	28990.000
%RSD		T 0.000	T 0.877	0.052
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		72.507%	72.773%	M 747.100
%RSD		0.341	0.715	M 1.354
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 361.400	198.800	18.930
%RSD		M 0.269	0.388	15.760
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1965.000	TM 255600.000	86.070
%RSD		TM 0.223	TM 0.735	0.266
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		160.000	170.600	M 428.200
%RSD		1.066	0.755	M 0.941
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		69.353%	150.500	1.133
%RSD		0.496	1.551	9.818
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		7.186	M 213.100	13.500
%RSD		1.347	M 0.426	2.084
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.496	-136.400
%RSD		0.000	1.578	8.958
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.523	71.407%	14.210
%RSD		12.480	1.189	1.789
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.528	M 1205.000	0.000
%RSD		1.333	M 0.931	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		95.614%	0.887	2.888
%RSD		0.011	2.710	0.963
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		187.700	76.403%	
%RSD		0.444	0.309	

PDS 240-17766 -d-15 -a, 11/23/2012 23:17:46 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.032%	M 983.400	118.800
%RSD		0.568	M 0.649	1.641
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		10880.000	74610.000	TM 149100.000
%RSD		1.115	0.767	TM 0.584
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	T 22520.000	76610.000
%RSD		T 0.000	T 0.328	0.325
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		66.318%	69.336%	M 3466.000
%RSD		0.144	0.235	M 1.133
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 1340.000	M 1269.000	150.900
%RSD		M 0.640	M 0.737	3.626
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 7113.000	TM 288500.000	M 1065.000
%RSD		TM 0.210	TM 0.723	M 0.666
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 1138.000	M 1181.000	M 1245.000
%RSD		M 0.654	M 0.526	M 0.457
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.967%	M 897.500	-4.329
%RSD		0.398	M 0.350	11.860
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 818.300	M 1189.000	107.500
%RSD		M 0.491	M 0.528	0.933
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	99.810	355.200
%RSD		0.000	0.319	58.570
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 984.400	67.989%	117.200
%RSD		M 0.638	0.177	1.541
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		98.040	M 2170.000	0.000
%RSD		0.783	M 0.961	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		84.906%	97.660	TM 245.700
%RSD		0.755	1.426	TM 0.526
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1140.000	70.090%	
%RSD		TM 0.377	0.393	

CCV 13 11/23/2012 23:25:00 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.346%	106.912%	96.043%
%RSD		0.481	0.813	1.347
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 101.252%	101.445%	116.121%
%RSD		┬ 0.449	0.697	0.625
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		┬ 0.000	┬ 104.697%	94.650%
%RSD		┬ 0.000	┬ 0.170	0.140
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		62.639%	67.369%	109.377%
%RSD		0.336	0.499	2.305
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		97.740%	97.981%	9.306
%RSD		0.371	1.433	12.230
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 103.892%	┬ 104.965%	95.881%
%RSD		┬ 0.361	┬ 0.809	0.212
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		98.178%	97.892%	100.873%
%RSD		0.626	0.693	1.609
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		67.122%	97.901%	-0.768
%RSD		0.548	0.591	37.910
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		97.299%	97.683%	106.437%
%RSD		1.180	0.748	1.658
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	105.962%	-25.080
%RSD		0.000	0.367	168.500
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		107.635%	68.156%	105.147%
%RSD		0.647	0.475	0.084
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		107.053%	103.527%	0.000
%RSD		0.335	0.522	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		78.205%	106.636%	102.262%
%RSD		0.705	0.528	0.528
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		107.330%	71.147%	
%RSD		0.586	0.459	

CCB 13 11/23/2012 23:32:12 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		55.020%	0.145	2.054
%RSD		0.118	9.089	14.100
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		43.430	52.280	19.900
%RSD		0.965	9.886	9.521
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	50.780	87.400
%RSD		T 0.000	2.244	9.656
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		62.500%	65.590%	1.066
%RSD		0.433	0.161	15.060
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.180	0.077	-1.608
%RSD		38.170	60.440	12.640
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		7.685	104.800	0.154
%RSD		0.356	2.627	5.375
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.177	0.194	1.198
%RSD		39.360	11.750	9.828
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		66.686%	0.355	0.067
%RSD		0.092	58.670	152.200
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.384	0.208	0.564
%RSD		26.390	5.197	12.450
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.104	-0.571
%RSD		0.000	9.721	493.700
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.112	67.736%	0.420
%RSD		14.730	0.074	19.240
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.412	0.308	0.000
%RSD		5.340	0.846	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		76.270%	0.983	0.477
%RSD		0.280	10.220	3.675
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.338	75.769%	
%RSD		2.556	0.314	

BLANK 11/23/2012 23:37:11 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.046%	0.066	1.575
%RSD		0.796	11.990	33.150
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		17.450	23.450	30.260
%RSD		9.737	17.560	6.151
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	21.050	64.830
%RSD		T 0.000	2.379	2.492
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		60.821%	64.777%	1.148
%RSD		0.145	0.740	42.070
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.255	-0.021	-2.385
%RSD		41.670	291.100	15.840
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.425	71.960	0.179
%RSD		10.420	3.485	8.928
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.309	0.307	2.554
%RSD		26.860	9.781	5.963
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		66.310%	0.234	0.122
%RSD		0.539	24.800	43.470
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.188	0.209	-0.125
%RSD		73.090	16.830	34.430
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.038	0.728
%RSD		0.000	26.640	469.900
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.165	66.696%	0.196
%RSD		21.800	0.533	12.080
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.215	0.422	0.000
%RSD		6.850	9.945	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		75.544%	0.408	0.268
%RSD		0.188	3.518	2.485
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.291	74.575%	
%RSD		3.185	0.230	

BLANK 11/23/2012 23:42:12 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		53.015%	0.015	1.322
%RSD		0.842	22.110	5.317
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		6.040	9.701	9.462
%RSD		15.280	32.770	7.213
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	15.000	33.890
%RSD		T 0.000	1.673	10.190
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		60.050%	63.752%	0.954
%RSD		0.138	0.429	27.960
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.064	-0.161	-2.620
%RSD		427.800	22.400	37.870
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.066	23.240	0.060
%RSD		8.456	11.800	17.760
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.071	0.145	1.401
%RSD		52.690	10.010	25.220
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		65.227%	0.102	0.118
%RSD		0.564	44.570	54.240
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.016	0.074	-0.295
%RSD		114.800	8.268	17.210
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.014	-0.608
%RSD		0.000	54.760	242.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.056	66.042%	0.100
%RSD		24.980	0.326	18.200
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.158	0.146	0.000
%RSD		15.520	3.277	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		75.232%	0.247	0.170
%RSD		0.288	3.076	8.112
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.128	73.837%	
%RSD		8.705	0.248	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		52.405%	0.021	1.102
%RSD		0.511	36.990	3.311
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		7.073	8.868	5.852
%RSD		4.217	17.450	25.570
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	15.290	32.780
%RSD		T 0.000	3.834	9.285
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		58.939%	63.398%	0.314
%RSD		0.198	0.126	19.930
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.272	-0.214	-3.099
%RSD		44.960	11.160	18.670
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.204	14.370	0.028
%RSD		3.631	7.871	23.420
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.038	0.080	1.059
%RSD		23.490	45.950	8.558
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		65.023%	0.033	0.061
%RSD		0.616	348.200	104.000
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.080	0.046	-0.372
%RSD		65.290	1.890	5.264
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.012	-0.304
%RSD		0.000	30.930	139.300
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.039	65.748%	0.087
%RSD		67.910	1.040	16.980
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.115	0.147	0.000
%RSD		12.720	9.001	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		74.476%	0.191	0.135
%RSD		0.506	6.835	3.417
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.097	73.711%	
%RSD		6.514	0.514	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		52.081%	0.025	0.971
%RSD		0.320	33.040	28.290
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1.002	1.787	2.122
%RSD		117.800	0.402	54.330
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	19.780	28.630
%RSD		T 0.000	5.440	17.640
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		58.622%	62.915%	0.244
%RSD		0.564	0.402	26.070
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.043	-0.220	-2.485
%RSD		284.800	9.249	18.460
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.143	4.216	0.011
%RSD		13.440	37.640	29.940
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.045	0.034	1.144
%RSD		133.200	22.960	10.250
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.851%	0.059	0.040
%RSD		0.469	65.980	80.390
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.015	0.017	-0.413
%RSD		51.800	55.430	9.780
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.003	0.617
%RSD		0.000	41.410	94.950
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.004	65.409%	0.074
%RSD		151.900	0.365	39.460
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.090	0.047	0.000
%RSD		2.580	32.000	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		74.151%	0.137	0.106
%RSD		0.485	9.144	6.909
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.054	73.317%	
%RSD		5.414	0.453	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		52.117%	0.025	0.936
%RSD		0.680	59.040	31.830
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1.387	2.689	1.241
%RSD		26.280	57.060	44.570
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	13.660	34.630
%RSD		T 0.000	5.982	3.799
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		58.845%	62.576%	0.064
%RSD		0.429	0.806	171.900
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.151	-0.200	-2.252
%RSD		162.100	4.511	31.360
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.074	4.631	0.011
%RSD		24.330	62.150	45.140
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.011	0.059	0.893
%RSD		82.060	55.830	12.710
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.766%	0.046	0.041
%RSD		1.071	406.200	227.800
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.051	0.018	-0.406
%RSD		67.080	24.990	7.209
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.003	-0.218
%RSD		0.000	21.420	574.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.000	65.535%	0.086
%RSD		10060.000	0.903	28.820
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.086	0.030	0.000
%RSD		13.050	153.500	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		74.197%	0.109	0.090
%RSD		0.520	6.312	6.358
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.048	73.289%	
%RSD		10.980	0.351	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		51.922%	0.014	0.746
%RSD		0.898	54.180	30.520
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		0.758	1.790	0.884
%RSD		84.200	99.730	67.400
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	17.440	38.590
%RSD		T 0.000	6.837	24.520
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		58.532%	62.715%	0.353
%RSD		0.404	0.411	98.960
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.020	-0.228	-2.353
%RSD		802.100	3.122	21.770
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.045	1.701	0.004
%RSD		13.080	45.400	56.180
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.005	0.046	1.109
%RSD		100.800	22.080	19.400
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.499%	0.058	0.065
%RSD		0.134	273.100	137.900
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.027	0.004	-0.433
%RSD		127.300	161.300	7.290
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.000	-0.308
%RSD		0.000	840.700	139.700
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.011	64.862%	0.053
%RSD		75.750	0.086	36.480
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.089	0.025	0.000
%RSD		9.766	110.000	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		74.364%	0.101	0.084
%RSD		0.204	7.554	10.080
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.033	73.144%	
%RSD		2.553	0.147	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		51.282%	0.019	0.755
%RSD		0.780	14.610	37.370
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		5.266	1.523	0.097
%RSD		8.302	91.880	241.800
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	14.290	32.350
%RSD		T 0.000	3.973	1.930
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		57.408%	61.805%	0.175
%RSD		0.261	0.831	62.470
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.295	-0.206	-2.068
%RSD		54.940	9.739	35.150
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.077	2.368	0.004
%RSD		28.530	8.824	55.850
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.037	0.056	1.300
%RSD		96.320	48.660	9.107
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		63.840%	-0.066	0.071
%RSD		0.447	90.860	69.510
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.009	0.011	-0.408
%RSD		1424.000	112.200	5.329
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.000	-0.059
%RSD		0.000	922.000	0.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.007	64.233%	0.131
%RSD		76.610	0.531	8.190
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.072	0.079	0.000
%RSD		15.950	40.000	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		73.702%	0.089	0.071
%RSD		0.251	9.650	13.110
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.101	72.868%	
%RSD		4.553	0.411	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		50.861%	0.019	0.912
%RSD		0.390	33.730	42.560
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1.041	0.000	0.371
%RSD		63.570	0.000	172.000
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	13.420	34.110
%RSD		T 0.000	10.070	13.490
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		57.109%	61.612%	0.324
%RSD		0.422	0.252	79.350
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.078	-0.227	-2.634
%RSD		264.500	1.979	13.190
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.056	0.750	0.002
%RSD		9.987	40.570	52.190
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.021	0.005	0.980
%RSD		87.220	135.200	25.550
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		63.404%	-0.040	0.008
%RSD		1.087	232.700	310.400
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.006	0.009	-0.439
%RSD		1296.000	132.200	6.857
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	-0.059
%RSD		0.000	196.400	0.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.004	63.865%	0.073
%RSD		482.200	0.374	16.540
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.063	0.009	0.000
%RSD		5.226	160.900	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		73.873%	0.073	0.062
%RSD		0.238	3.519	2.603
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.022	72.599%	
%RSD		10.460	0.164	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		50.414%	0.011	0.654
%RSD		0.649	81.140	57.290
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		0.923	0.907	0.185
%RSD		44.650	99.810	29.530
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	14.000	35.670
%RSD		T 0.000	9.187	10.360
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		56.876%	61.844%	0.359
%RSD		0.363	0.377	70.910
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.071	-0.230	-2.623
%RSD		220.300	12.980	1.242
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.036	0.669	0.002
%RSD		56.680	32.080	102.600
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.028	0.021	1.150
%RSD		52.070	136.300	12.520
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		62.685%	0.088	0.098
%RSD		0.966	22.240	31.420
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.031	0.007	-0.452
%RSD		337.700	55.200	3.189
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	0.289
%RSD		0.000	66.270	208.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.013	63.528%	0.060
%RSD		133.800	0.476	10.190
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.059	-0.000	0.000
%RSD		31.120	3272.000	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		73.320%	0.071	0.055
%RSD		0.261	12.570	5.154
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.018	71.924%	
%RSD		17.880	0.623	

CCV 14 11/24/2012 00:22:15 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		50.938%	107.207%	96.247%
%RSD		0.650	0.474	1.653
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 102.315%	103.218%	108.446%
%RSD		┬0.771	0.541	2.571
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		┬0.000	┬ 105.959%	95.516%
%RSD		┬0.000	┬0.855	0.960
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		57.287%	62.948%	102.666%
%RSD		0.179	1.794	3.914
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		98.705%	98.827%	9.684
%RSD		1.086	0.772	13.900
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 103.942%	┬ 105.761%	98.229%
%RSD		┬0.191	┬0.483	0.562
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		99.913%	100.663%	102.871%
%RSD		0.991	0.410	1.394
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		62.380%	99.304%	-0.657
%RSD		0.935	0.776	42.150
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		99.839%	98.616%	107.107%
%RSD		0.960	0.901	0.511
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	108.590%	23.760
%RSD		0.000	0.132	144.300
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		109.471%	63.055%	107.563%
%RSD		1.489	0.778	1.353
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		108.255%	103.869%	0.000
%RSD		1.492	0.884	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		73.951%	107.766%	103.006%
%RSD		0.922	0.740	0.180
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		110.297%	66.085%	
%RSD		0.237	0.770	

CCB 14 11/24/2012 00:29:15 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		53.396%	0.179	0.944
%RSD		0.214	14.460	1.530
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		48.150	53.510	25.290
%RSD		5.404	6.979	7.993
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	57.200	105.400
%RSD		T 0.000	0.894	1.685
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		59.766%	63.038%	0.788
%RSD		0.262	0.881	42.910
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.042	0.119	-1.883
%RSD		392.500	10.930	22.080
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		8.276	114.200	0.165
%RSD		0.274	1.193	16.690
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.199	0.209	1.240
%RSD		7.387	34.510	9.262
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		63.649%	0.130	0.122
%RSD		0.495	55.460	57.160
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.122	0.220	0.367
%RSD		62.900	15.950	24.200
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.096	0.495
%RSD		0.000	11.280	185.700
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.163	64.722%	0.414
%RSD		24.720	0.361	9.283
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.251	0.390	0.000
%RSD		9.538	6.107	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		73.468%	0.818	0.405
%RSD		0.476	8.422	6.887
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.333	72.105%	
%RSD		3.318	0.173	

MO 2000 PPB 11/24/2012 00:34:14 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		52.012%	0.014	1.043
%RSD		0.589	46.280	50.300
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		5.852	1.879	0.843
%RSD		25.310	49.920	40.550
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	18.460	29.790
%RSD		T 0.000	2.425	28.000
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		56.881%	59.798%	0.335
%RSD		0.625	0.379	39.400
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.078	-0.165	-2.326
%RSD		87.010	14.720	11.310
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.127	3.414	0.013
%RSD		14.920	5.541	17.040
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.029	0.045	1.705
%RSD		50.490	54.140	12.470
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		62.378%	-0.032	0.114
%RSD		0.389	370.000	48.730
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.045	0.011	M 2356.000
%RSD		170.100	67.190	M 2.575
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.009	143.700
%RSD		0.000	43.090	6.227
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.615	61.852%	0.095
%RSD		12.970	0.665	16.610
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.086	0.029	0.000
%RSD		16.200	143.800	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		71.406%	1.617	0.169
%RSD		0.397	0.593	1.235
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.052	70.502%	
%RSD		2.070	0.363	

AL FE 500 PPM 11/24/2012 00:39:14 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		56.557%	0.042	1.789
%RSD		0.481	37.470	6.051
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		TM 997900.000	TM 946800.000	TM 462200.000
%RSD		TM 0.564	TM 0.210	TM 0.369
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		T 0.000	TM 1074000.000	TM 1005000.000
%RSD		T 0.000	TM 0.434	TM 0.299
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		65.801%	66.697%	13.270
%RSD		2.095	2.344	8.358
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		-0.294	4.467	-2.663
%RSD		153.100	1.674	48.770
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		45.210	TM 500900.000	7.125
%RSD		0.546	TM 0.649	2.210
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		8.319	4.414	7.063
%RSD		3.663	5.965	8.775
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		61.961%	1.659	0.341
%RSD		2.729	2.414	5.873
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.274	8.915	82.040
%RSD		24.970	1.594	21.150
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.194	0.784
%RSD		0.000	8.552	502.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.846	63.805%	0.466
%RSD		13.830	2.066	3.165
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		1.613	3.465	0.000
%RSD		3.052	0.816	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		59.905%	0.308	0.748
%RSD		2.212	8.226	2.861
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		2.212	47.123%	
%RSD		0.410	1.695	

SALTS 500 PPM 11/24/2012 00:44:14 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		75.560%	0.027	1.331
%RSD		0.713	30.100	9.086
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 486200.000	M 479100.000	TM 228700.000
%RSD		TM 0.574	M 0.503	TM 0.340
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	TM 532600.000	TM 482000.000
%RSD		T 0.000	TM 0.540	TM 0.380
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		79.137%	72.606%	7.029
%RSD		0.262	0.252	29.130
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.097	2.105	-2.564
%RSD		203.100	4.341	24.880
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		22.000	TM 251800.000	3.646
%RSD		0.634	TM 0.726	1.526
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		4.441	2.232	3.662
%RSD		6.280	4.975	11.690
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		68.255%	1.213	0.135
%RSD		0.664	15.530	86.610
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.218	4.380	14.510
%RSD		27.860	5.308	8.336
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.114	4.411
%RSD		0.000	14.000	43.610
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.425	70.338%	0.282
%RSD		7.778	0.604	5.262
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.857	1.705	0.000
%RSD		4.009	11.300	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		71.251%	0.188	0.386
%RSD		0.711	4.945	1.291
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		1.074	57.379%	
%RSD		0.383	0.904	

BA TL PB 10 PPM 11/24/2012 00:49:13 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.138%	0.013	0.596
%RSD		0.717	60.840	14.850
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		995.000	925.800	408.700
%RSD		24.050	18.010	20.500
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	667.700	550.000
%RSD		T 0.000	23.070	18.570
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		87.334%	85.893%	0.034
%RSD		0.237	0.569	407.400
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.014	-0.202	-2.424
%RSD		554.900	10.120	12.120
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.194	519.000	0.019
%RSD		4.475	20.000	24.040
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.022	2.266	4.963
%RSD		53.000	6.988	4.606
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		85.193%	0.195	0.082
%RSD		0.165	44.400	72.810
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.003	0.087	6.626
%RSD		3117.000	12.220	8.016
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.019	0.337
%RSD		0.000	19.550	115.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.010	85.796%	0.135
%RSD		87.160	0.908	12.350
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.074	TM 10030.000	0.000
%RSD		11.130	TM 0.255	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		91.945%	0.104	TM 9217.000
%RSD		0.129	10.480	TM 0.492
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 9842.000	91.400%	
%RSD		TM 0.440	0.259	

SN 10000 PPB 11/24/2012 00:56:27 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		77.388%	0.022	0.376
%RSD		0.086	21.830	35.600
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		222.900	210.700	113.700
%RSD		8.853	24.910	16.330
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	237.700	227.200
%RSD		T 0.000	0.783	3.202
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		82.662%	78.295%	4.779
%RSD		0.567	1.511	4.205
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.527	0.152	-2.386
%RSD		40.800	5.059	30.550
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.645	134.000	0.506
%RSD		1.980	17.570	1.295
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.047	0.499	2.928
%RSD		8.967	6.153	7.203
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		80.683%	0.448	0.078
%RSD		0.295	17.060	78.820
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.036	0.048	2.372
%RSD		208.700	23.720	5.993
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.013	-7.258
%RSD		0.000	18.080	117.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.009	69.180%	TM 11430.000
%RSD		91.470	2.184	TM 1.707
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		5.525	7.513	0.000
%RSD		2.791	15.870	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		85.139%	0.128	6.307
%RSD		0.442	2.236	7.887
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		6.779	83.392%	
%RSD		13.090	0.611	

V CO 10000 PPB 11/24/2012 01:01:27 QC Status: PASS (Initial: PASS)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		71.490%	0.015	0.543
%RSD		0.505	31.400	17.440
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		46.740	43.770	19.800
%RSD		33.890	45.100	42.990
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	137.000	126.100
%RSD		T 0.000	14.480	12.100
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		74.996%	72.778%	0.299
%RSD		0.437	0.662	72.650
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		TM 9588.000	1.102	-4.411
%RSD		TM 0.596	3.901	1.762
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.140	23.250	TM 9449.000
%RSD		6.363	37.560	TM 0.613
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		30.510	0.082	0.956
%RSD		1.260	34.090	7.830
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		73.934%	0.764	0.074
%RSD		0.494	17.080	82.490
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.028	0.023	0.865
%RSD		258.400	20.490	9.869
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.007	0.023
%RSD		0.000	67.550	628.500
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.006	72.568%	20.700
%RSD		218.400	0.216	22.390
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.117	2.112	0.000
%RSD		1.019	21.490	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		80.396%	0.061	1.179
%RSD		0.967	1.525	30.820
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		1.127	78.119%	
%RSD		34.550	0.351	

CCV 11/24/2012 01:06:33 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		70.120%	107.343%	97.584%
%RSD		0.167	0.426	0.680
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 103.203%	104.019%	111.426%
%RSD		┬ 0.789	0.883	0.834
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		┬ 0.000	┬ 106.802%	95.663%
%RSD		┬ 0.000	┬ 0.458	0.146
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		74.134%	72.639%	101.200%
%RSD		0.758	0.560	1.752
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		99.615%	98.470%	7.240
%RSD		0.684	0.326	18.650
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 102.340%	┬ 105.935%	97.128%
%RSD		┬ 0.404	┬ 0.501	0.224
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		98.575%	99.125%	102.614%
%RSD		0.676	1.395	1.024
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		71.283%	98.764%	-0.650
%RSD		0.411	0.362	25.450
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		99.896%	99.739%	107.687%
%RSD		1.655	0.941	1.791
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	107.103%	74.770
%RSD		0.000	0.654	15.030
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		109.355%	69.886%	112.705%
%RSD		0.449	0.374	0.662
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		108.017%	105.043%	0.000
%RSD		1.087	0.367	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		78.512%	106.795%	102.737%
%RSD		0.289	0.622	0.055
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		110.103%	69.587%	
%RSD		0.666	0.106	

CCB 11/24/2012 01:13:46 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		68.553%	0.198	0.752
%RSD		0.383	20.090	19.980
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		56.460	69.390	25.240
%RSD		7.459	15.850	7.464
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	63.330	114.900
%RSD		T 0.000	0.491	4.340
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		72.503%	71.073%	1.175
%RSD		0.652	0.732	25.420
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.424	0.103	-2.137
%RSD		45.970	35.240	11.860
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		8.224	119.500	0.382
%RSD		0.794	0.663	37.010
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.199	0.297	1.138
%RSD		24.880	15.640	5.487
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		71.152%	0.373	-0.021
%RSD		0.832	14.340	301.600
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.115	0.246	0.927
%RSD		38.090	6.226	22.670
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.112	0.837
%RSD		0.000	9.121	267.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.170	70.230%	3.227
%RSD		14.340	0.890	4.476
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.240	0.404	0.000
%RSD		4.608	5.147	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		77.071%	0.752	0.454
%RSD		0.360	11.020	4.758
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.380	74.536%	
%RSD		8.757	0.368	

MTMSCCBDILH20-69

TestAmerica ICP/MS Data Review Checklist

Run Date: 12-10-12 Analyst: NJ-7 Instrument: I8

Review Items

A. Tune/Daily performance	Yes	No	N/A	2nd Level
1. Resolution </= 0.9 AMU full width at 10% peak height, and within +/- 0.1 AMU of true mass?	✓			✓
2. Performance check within recommended specifications? (Be>8000cps) (In >300,000 cps) (Pb >100,000 cps) (Co>100000) (Mg>10000) (CeO/Ce<0.03) (Ba++/Ba<0.03) (Background < 30cps @ Mass 220) CCT Performance Check (In > 75000) (Se< 20 cps)	✓			✓
B. Calibration/Instrument Run QC				
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels? Correlation coefficient > 0.995?	✓			✓
1. ICV/CCV analyzed at appropriate frequency and within control limits? (*ICV*: = 90 – 110%) (*CCV*: 90 – 110%, 200.8 = 85 -115%)	✓			✓
2. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
3. CRI run and recovered within QC limits (+/-50%) or project limits?	✓			✓
4. ICSA/ICSAB run at required frequency and within SOP control limits?	✓			✓
C. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Were the internal standards within acceptance criteria for all results reported?	✓			✓
4. Sample analyses done within holding time?	✓			✓
D. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
E. Other				
1. Are all nonconformance's documented appropriately?	✓			✓
2. Current IDL/LR data on file?	✓			✓
3. Calculations checked for error?	✓			✓
4. Transcriptions checked for error?	✓			✓
5. All client/project specific requirements met?	✓			✓
6. Date/time of analysis verified as correct?	✓			✓

Level I Analyst: Natalie Doth Date: 12-11-12 Time: 08:43-04:50
Level I Analyst: _____ Date: _____ Time: _____

Level II Reviewer: Karen Klouts Date: 12/11/12 Time: 08:43-04:50
Level II Reviewer: _____ Date: _____ Time: _____

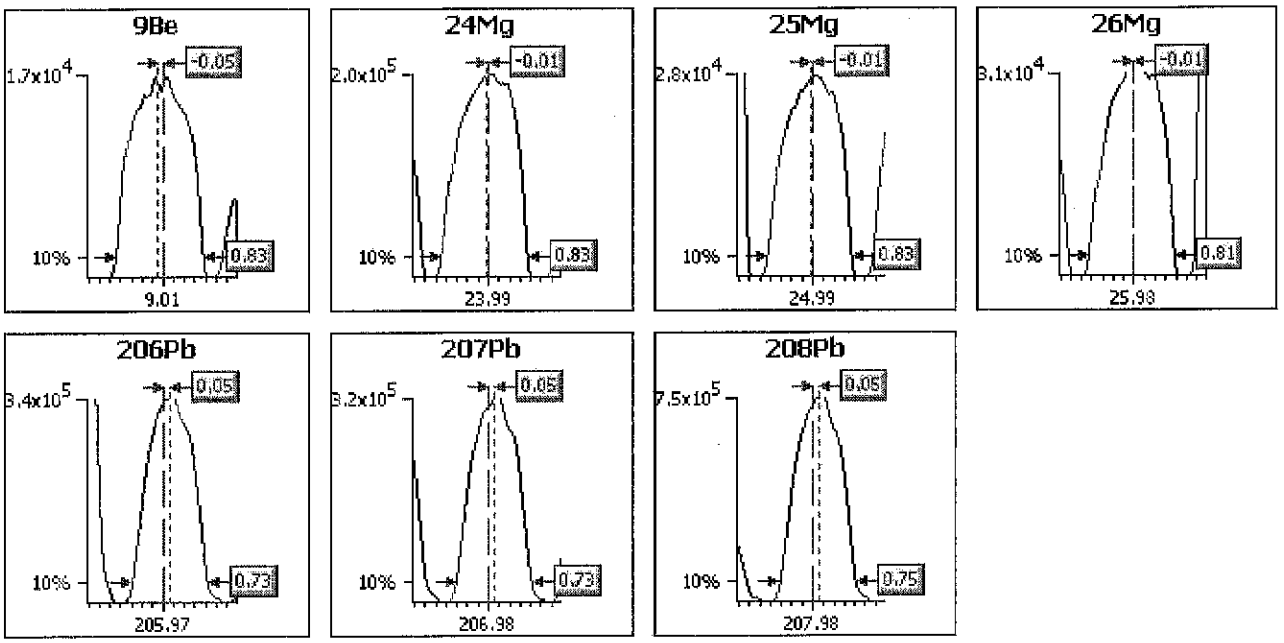
Comments: Pb using Ho only; W+Tl using Ho and Bi

Performance Report

Sample details
Acquired at : 12/10/2012 08:09:24
Report name : STD MODE PERF REPORT [8/11/2009 07:18:25]

Mass Calibration verification

Acquisition parameters
Sweeps : 10
Dwell : 5.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 10% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.85	0.65	0.10	0.83	-0.05
24Mg	0.85	0.65	0.10	0.83	-0.01
25Mg	0.85	0.65	0.10	0.83	-0.01
26Mg	0.85	0.65	0.10	0.81	-0.01
206Pb	0.85	0.65	0.10	0.73	0.05
207Pb	0.85	0.65	0.10	0.73	0.05
208Pb	0.85	0.65	0.10	0.75	0.05

Sample details
Acquired at : 12/10/2012 08:09:24
Report name : STD MODE PERF REPORT [8/11/2009 07:18:25]

Tune conditions

Major	
Extraction	-86.3
Lens 1	-1153
Lens 2	-80.0
Focus	11.8
D1	-42.4
D2	-140
Pole Bias	-1.0
Hexapole Bias	-4.0
Nebuliser	0.81

Minor	
Lens 3	-195.3
Forward power	1200
Horizontal	53
Vertical	600
DA	-46.3
Cool	13.0
Auxiliary	0.90
Sampling Depth	130

Global	
Standard resolution	130
High resolution	130
Analogue Detector	2000
PC Detector	3225

Add. Gases	
He_H2	0.00
He-Not In Use	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 30

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	59Co	137Ba++	101Bkg	115In
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	30.0	100.0	10.0
Limits	%RSD	-	5.0%	-	5.0%	-	5.0%	-	-	5.0%
	Countrate	-	>8000	>10000	>10000	>10000	>100000	-	-	>300000
1	08:09:59	0.000	15880.896	201747.04	27165.454	32828.967	251357.90	992.252	0.000	720466.02
2	08:10:17	0.000	15864.213	200380.71	26688.017	32194.398	248390.58	992.252	0.667	721589.77
3	08:10:35	0.333	15870.886	201298.33	27329.055	32167.680	250498.44	897.802	0.000	729002.10
4	08:10:53	0.000	16177.848	201136.40	26754.791	33066.102	248972.50	911.136	0.333	727634.23
5	08:11:10	0.000	16131.136	199770.11	26935.081	32060.807	249743.91	937.804	0.000	725483.45
x		0.067	15984.996	200866.52	26974.479	32463.591	249792.67	946.249	0.200	724835.11
σ		0.15	155.72	786.25	271.14	452.43	1182.05	44.40	0.30	3716.20
%RSD		223.607	0.974	0.391	1.005	1.394	0.473	4.692	149.071	0.513

Run	Time	137Ba	140Ce	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		10.0	10.0	30.0	10.0	10.0	10.0	100.0
Limits	%RSD	-	-	-	-	-	5.0%	-
	Countrate	-	-	-	>100000	>100000	>100000	<30
1	08:09:59	88182.670	718013.51	19069.792	331290.19	304391.13	729346.70	0.000
2	08:10:17	87016.565	723312.06	18920.734	333527.49	305552.09	723534.76	0.000
3	08:10:35	88571.390	715356.16	18909.610	338254.67	307833.50	730046.35	0.000
4	08:10:53	89023.790	718375.28	19363.464	336625.51	305752.38	728218.96	0.000
5	08:11:10	87378.451	710261.74	19681.614	335139.34	306034.15	728062.33	0.000
x		88034.573	717063.75	19189.043	334967.44	305912.65	727841.82	0.000
σ		829.98	4765.68	330.66	2700.94	1242.49	2542.95	0.00
%RSD		0.943	0.665	1.723	0.806	0.406	0.349	0.000

Ratio results

Run	Time	137Ba++/137Ba	156Ce O/140Ce
Ratio limits		<0.0300	<0.0300
1	08:09:59	0.011	0.027
2	08:10:17	0.011	0.026
3	08:10:35	0.010	0.026
4	08:10:53	0.010	0.027
5	08:11:10	0.011	0.028
x		0.0108	0.0268
σ		0.00	0.00
%RSD		5.3446	2.2493

Result : The performance report passed.

Performance Report

Sample details
Acquired at : 12/10/2012 08:19:34
Report name : CCT MODE PERF REPORT [5/20/2011 11:37:05]

Tune conditions

Major	
Extraction	-86.3
Lens 1	-1153
Lens 2	-80.0
Focus	-4.1
D1	-52.5
D2	-140
Pole Bias	-14.0
Hexapole Bias	-17.0
Nebuliser	0.81

Minor	
Lens 3	-195.3
Forward power	1200
Horizontal	53
Vertical	600
DA	-46.3
Cool	13.0
Auxiliary	0.90
Sampling Depth	130

Global	
Standard resolution	130
High resolution	130
Analogue Detector	2000
PC Detector	3225

Add. Gases	
He_H2	3.96
He-Not In Use	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 30

Run	Time	78Se	115In
	Dwell (mSecs)	100.0	10.0
Limits	%RSD		5.0%
	Countrate	<20	>75000
1	08:19:35	16.333	84141.861
2	08:19:40	18.000	85012.931
3	08:19:46	19.000	84235.666
4	08:19:50	18.000	84326.122
5	08:19:56	20.333	85016.281
x		18.333	84546.572
σ		1.47	432.19
%RSD		8.029	0.511

Result : The performance report passed.

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Fisher\PlasmaLab\Templates\TEST AMERICA 6020 QSM DoD 4.2.tet
Created By User	martin.nash
Analyte Database	TA NORTH CANTON MULTIMODE.tea
Creation Timestamp	10/10/2007 09:08:48
Last Edited By	Upload
Last Edit Timestamp	12/11/2012 06:43:24
Instrument Detector	Simultaneous
Database Version	3,51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

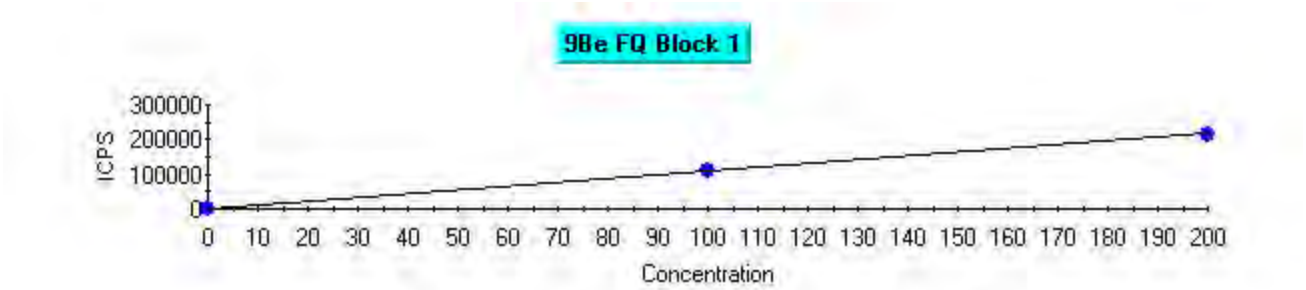
Column headings
- No flag
- Semi Quant
- Standard Addition
- Multi Element

Result cells
- Internal Standard
- Excluded
- QC Warning
- QC Failure

Transient TRA only:
- Peak Not Found
- Manually Edited
- Merged Peak

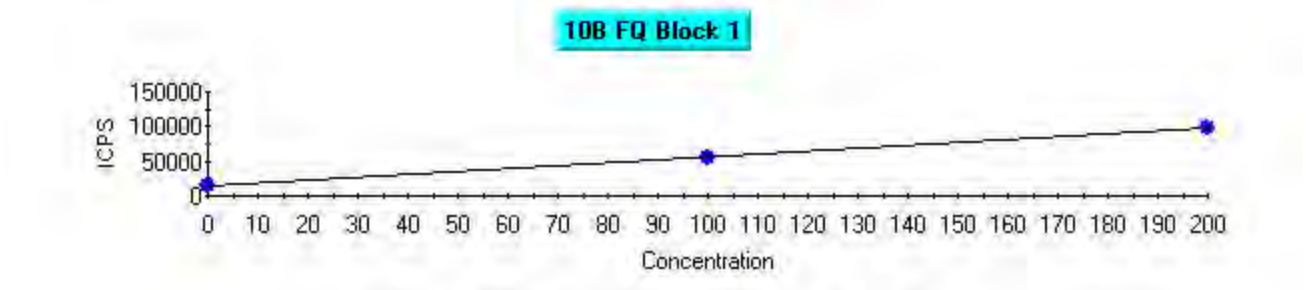
Data warning flags
I - Invalid calibration
T - Tripped
F - Interference correction failed
M - Result over max
V - Valley integration failed
D - Different method used

Fully Quant Calibration



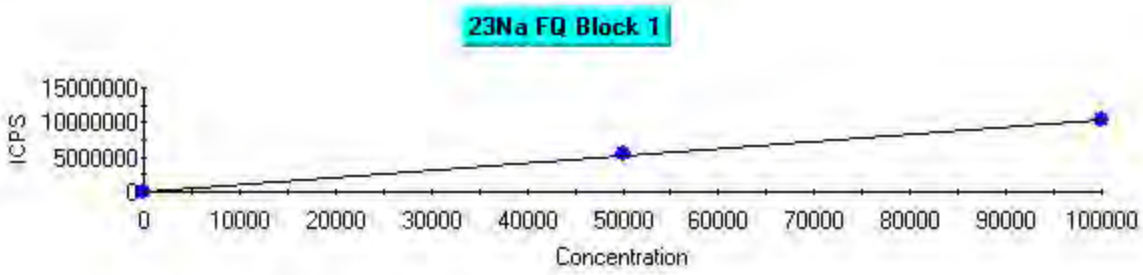
Intercept CPS=7.782935 Intercept Conc=0.007166
Sensitivity=1086.037707 Correlation Coeff=0.999912

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	7.78	0.00
STD2-761715,	100.000	101.827	1.827	110596.27	1.83
STD3-726967,	200.000	199.086	0.914	216222.97	0.46



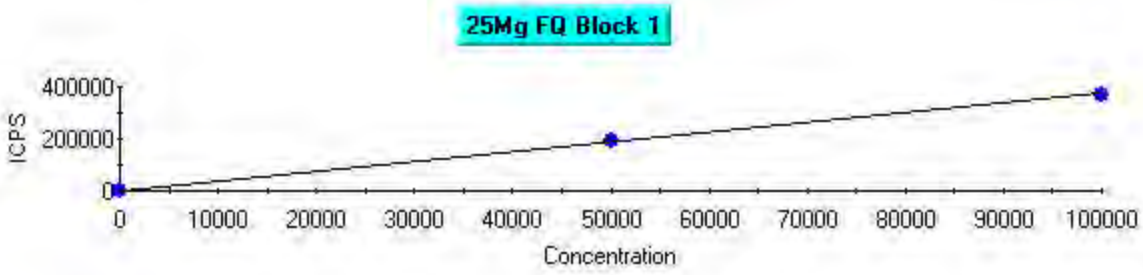
Intercept CPS=13250.076824 Intercept Conc=31.124855
Sensitivity=425.707269 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	13250.08	0.00
STD2-761715,	100.000	100.064	0.064	55847.93	0.06
STD4-664981,	200.000	199.968	0.032	98377.97	0.02



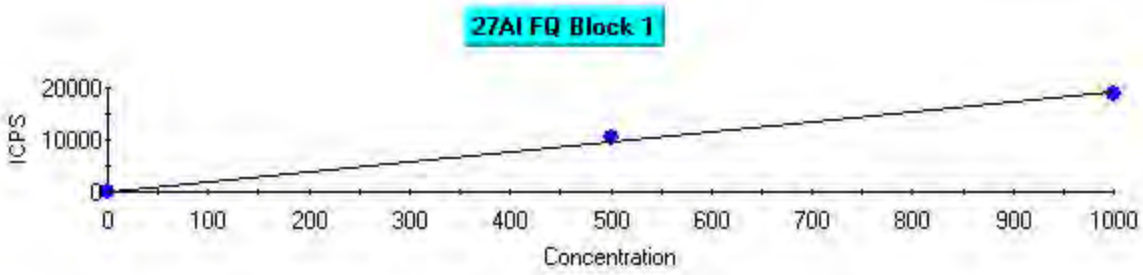
Intercept CPS=1667.221251 Intercept Conc=15.884810
Sensitivity=104.956954 Correlation Coeff=0.999852

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	1667.22	0.00
STD2-761715,	50000.000	51184.270	1184.270	5373812.35	2.37
STD3-726967,	100000.000	99407.865	592.135	10435213.94	0.59



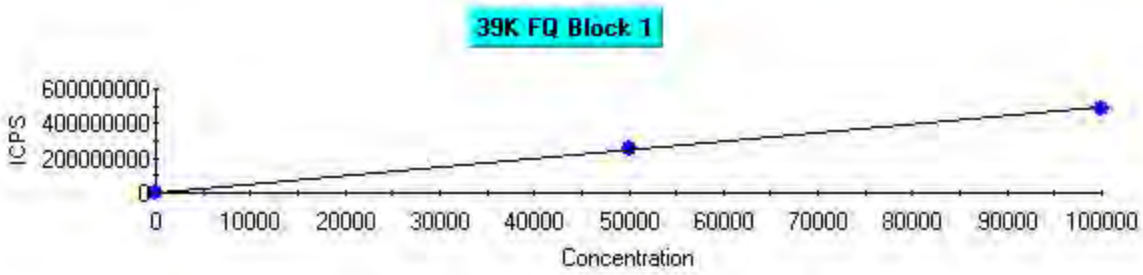
Intercept CPS=1.120752 Intercept Conc=0.298088
Sensitivity=3.759804 Correlation Coeff=0.999713

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	1.12	0.00
STD2-761715,	50000.000	51647.852	1647.852	194186.91	3.30
STD3-726967,	100000.000	99176.074	823.926	372883.69	0.82



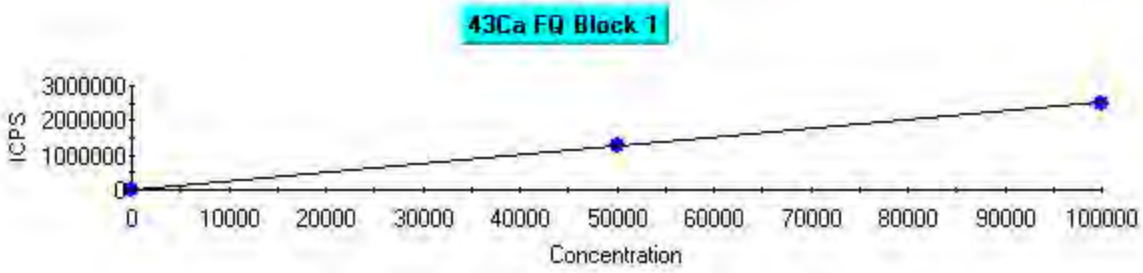
Intercept CPS=105.638124 Intercept Conc=5.515909
Sensitivity=19.151536 Correlation Coeff=0.998822

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	105.64	0.00
STD2-761715,	500.000	533.097	33.097	10315.26	6.62
STD3-726967,	1000.000	983.452	16.548	18940.25	1.65



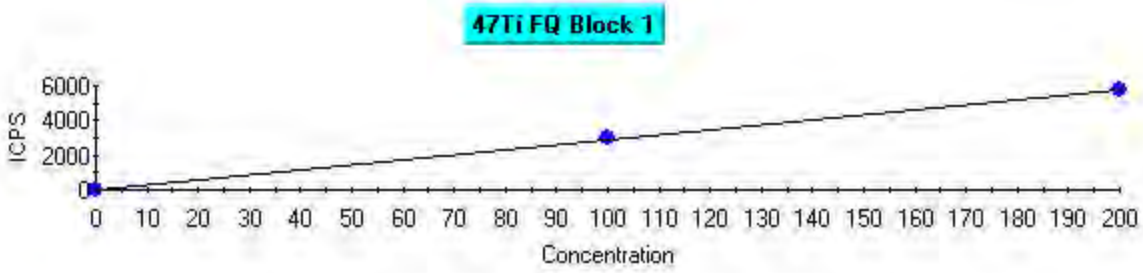
Intercept CPS=282689.873059 Intercept Conc=57.373361
Sensitivity=4927.197332 Correlation Coeff=0.999796

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	282689.87	0.00
STD2-761715,	50000.000	51389.343	1389.343	253488123.64	2.78
STD3-726967,	100000.000	99305.328	694.672	489579639.53	0.69



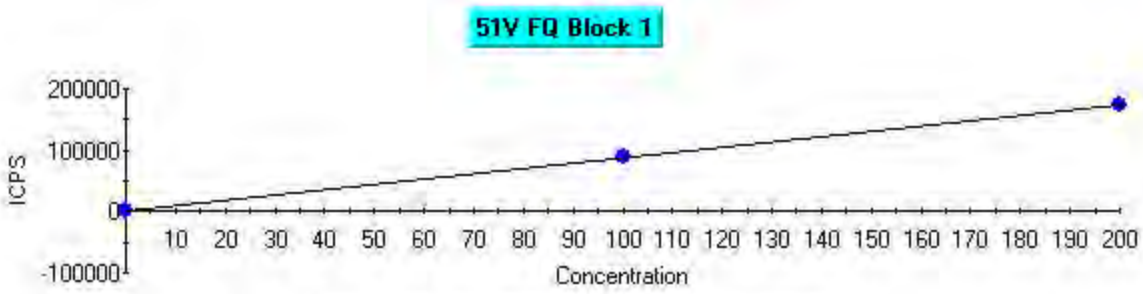
Intercept CPS=1214.074495 Intercept Conc=48.148629
Sensitivity=25.215142 Correlation Coeff=0.999811

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	1214.07	0.00
STD2-761715,	50000.000	51336.461	1336.461	1295670.20	2.67
STD3-726967,	100000.000	99331.770	668.230	2505878.71	0.67



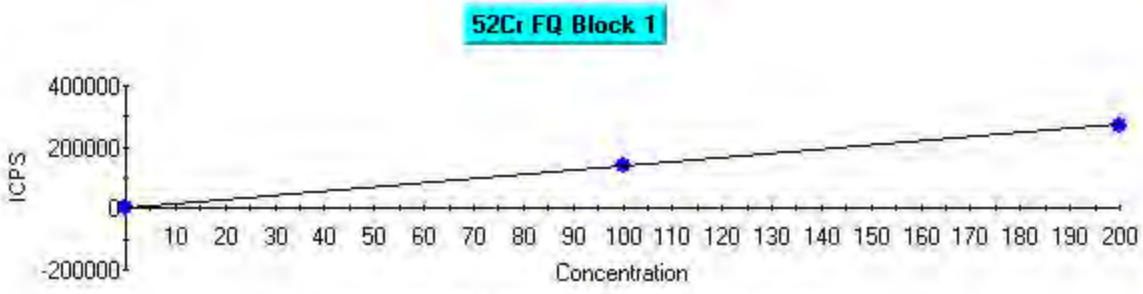
Intercept CPS=0.000000 Intercept Conc=0.000000
Sensitivity=29.000714 Correlation Coeff=0.999601

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	0.00	0.00
STD2-761715,	100.000	103.877	3.877	3012.51	3.88
STD4-664981,	200.000	198.061	1.939	5743.92	0.97



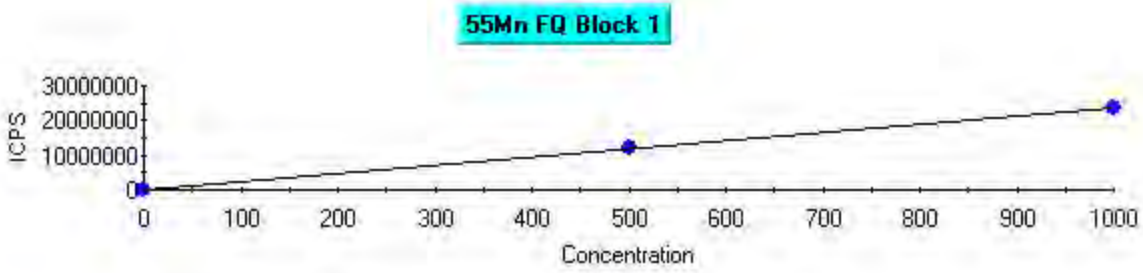
Intercept CPS=-111.793639 Intercept Conc=-0.127920
Sensitivity=873.933348 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	-111.79	0.00
STD2-761715,	100.000	100.924	0.924	88089.06	0.92
STD3-726967,	200.000	199.538	0.462	174271.12	0.23



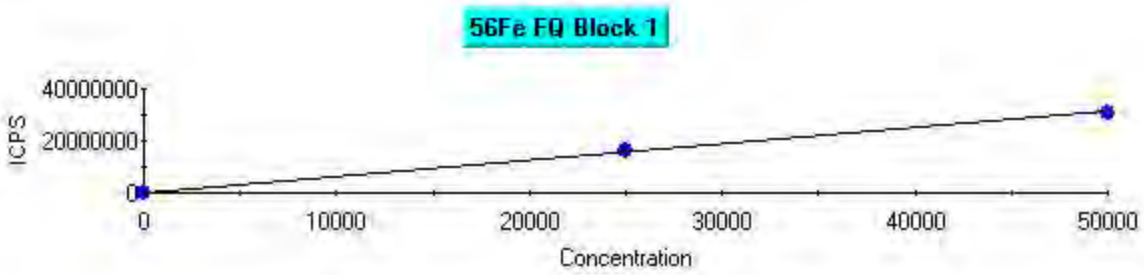
Intercept CPS=-150.635510 Intercept Conc=-0.109717
Sensitivity=1372.948669 Correlation Coeff=0.999846

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	-150.64	0.00
STD2-761715,	100.000	102.418	2.418	140464.15	2.42
STD3-726967,	200.000	198.791	1.209	272779.14	0.60



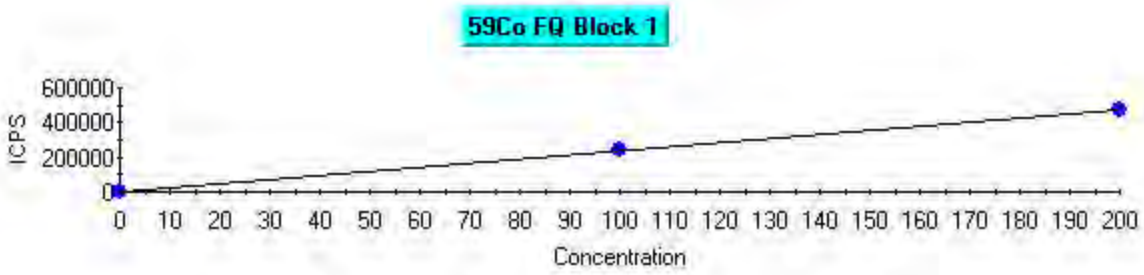
Intercept CPS=6444.885918 Intercept Conc=0.274256
Sensitivity=23499.497273 Correlation Coeff=0.999872

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	6444.89	0.00
STD2-761715,	500.000	511.030	11.030	12015395.36	2.21
STD3-726967,	1000.000	994.485	5.515	23376341.24	0.55



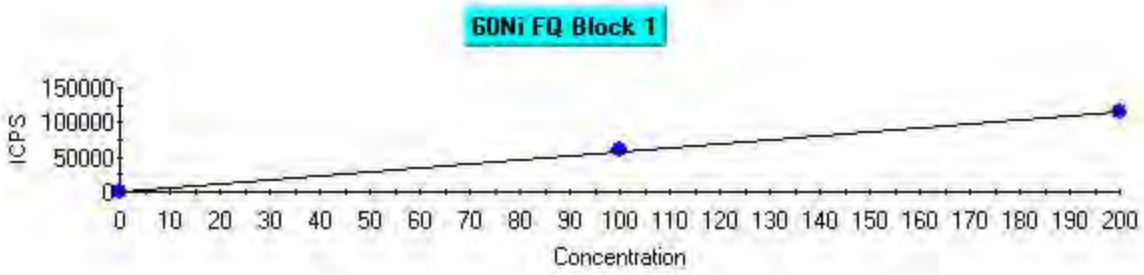
Intercept CPS=2956.424401 Intercept Conc=4.723018
Sensitivity=625.960864 Correlation Coeff=0.999773

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	2956.42	0.00
STD2-761715,	25000.000	25733.488	733.488	16111112.68	2.93
STD3-726967,	50000.000	49633.256	366.744	31071432.29	0.73



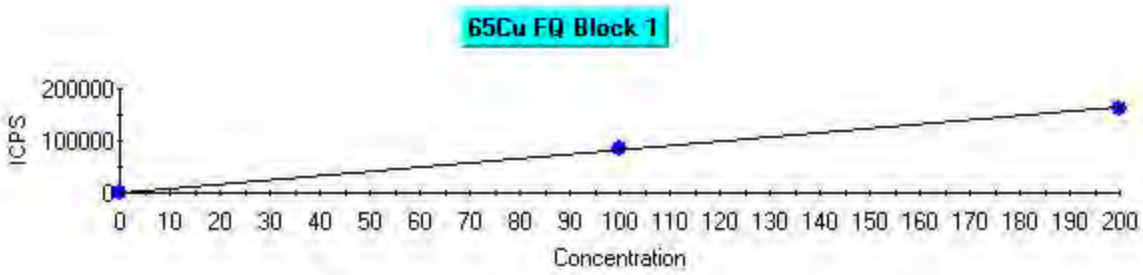
Intercept CPS=28.896313 Intercept Conc=0.012220
Sensitivity=2364.579980 Correlation Coeff=0.999831

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	28.90	0.00
STD2-761715,	100.000	102.529	2.529	242467.55	2.53
STD3-726967,	200.000	198.735	1.265	469954.57	0.63



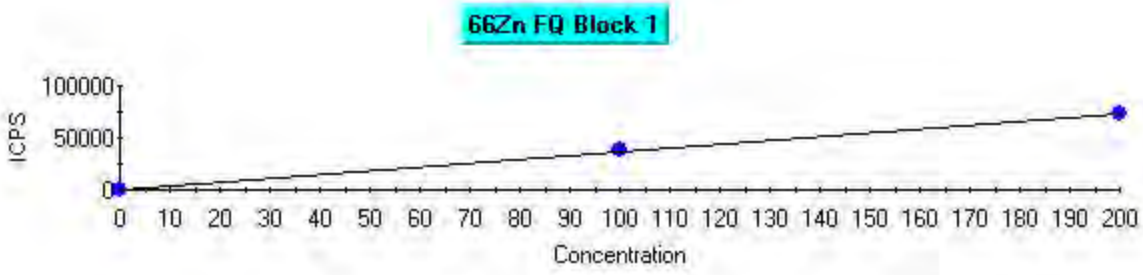
Intercept CPS=31.122694 Intercept Conc=0.053346
Sensitivity=583.408930 Correlation Coeff=0.999660

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	31.12	0.00
STD2-761715,	100.000	103.580	3.580	60460.85	3.58
STD3-726967,	200.000	198.210	1.790	115668.49	0.90



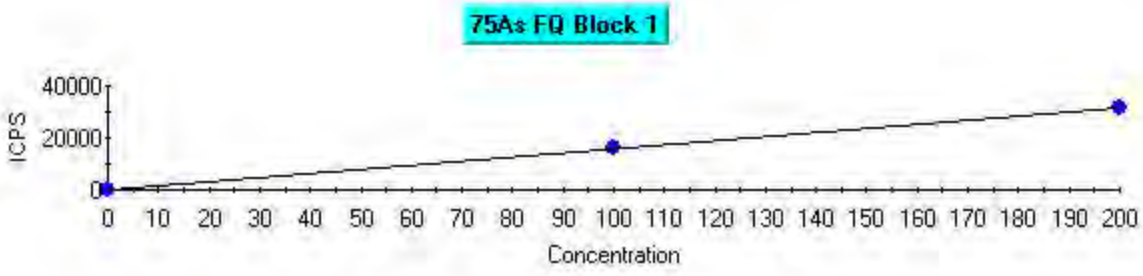
Intercept CPS=127.857483 Intercept Conc=0.155497
Sensitivity=822.251356 Correlation Coeff=0.999511

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	127.86	0.00
STD2-761715,	100.000	104.286	4.286	85877.46	4.29
STD3-726967,	200.000	197.857	2.143	162815.90	1.07



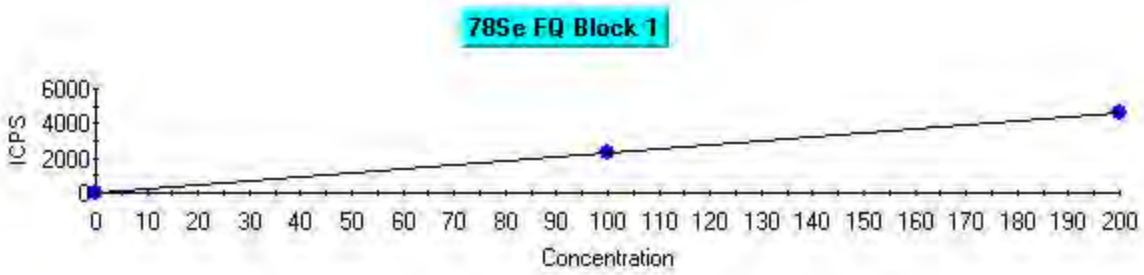
Intercept CPS=652.348014 Intercept Conc=1.787838
Sensitivity=364.880901 Correlation Coeff=0.999618

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	652.35	0.00
STD2-761715,	100.000	103.793	3.793	38524.61	3.79
STD3-726967,	200.000	198.103	1.897	72936.44	0.95



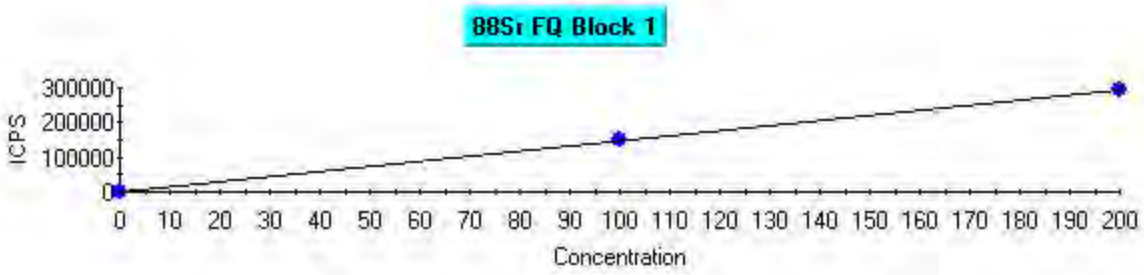
Intercept CPS=200.023867 Intercept Conc=1.266936
Sensitivity=157.879961 Correlation Coeff=0.999956

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	200.02	0.00
STD2-761715,	100.000	101.290	1.290	16191.72	1.29
STD3-726967,	200.000	199.355	0.645	31674.17	0.32



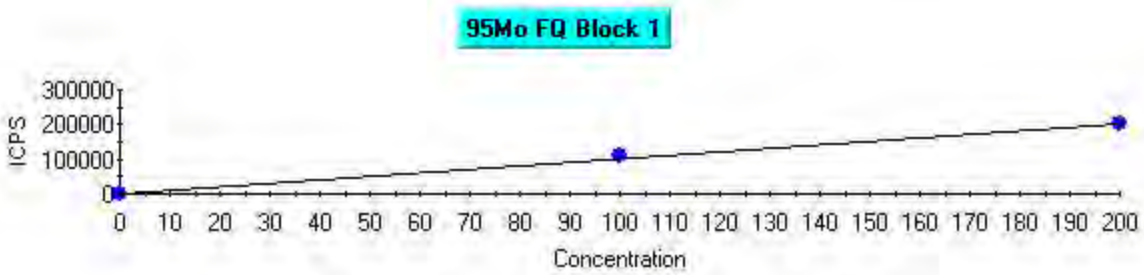
Intercept CPS=3.215960 Intercept Conc=0.138049
Sensitivity=23.295865 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	3.22	0.00
STD2-761715,	100.000	100.388	0.388	2341.83	0.39
STD3-726967,	200.000	199.806	0.194	4657.87	0.10



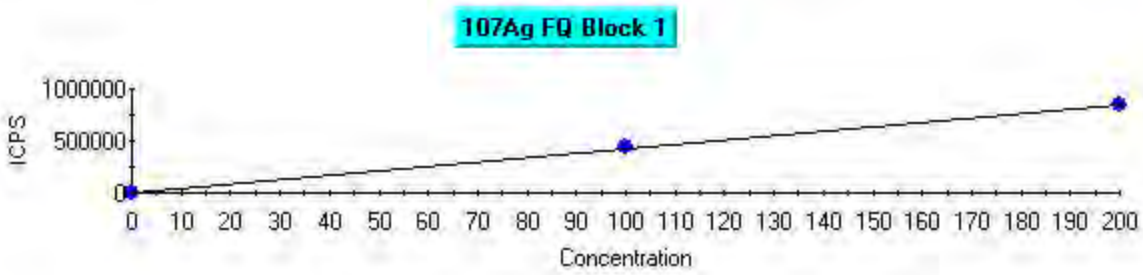
Intercept CPS=108.900594 Intercept Conc=0.073481
Sensitivity=1482.022407 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	108.90	0.00
STD2-761715,	100.000	100.039	0.039	148368.66	0.04
STD3-726967,	200.000	199.981	0.019	296484.62	0.01



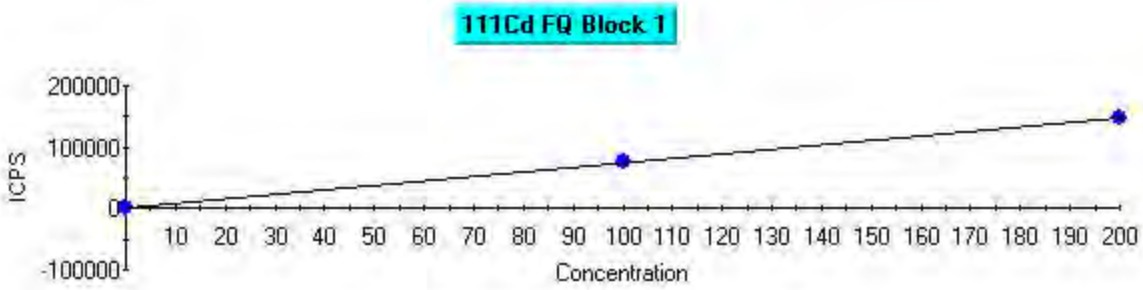
Intercept CPS=594.414930 Intercept Conc=0.587316
Sensitivity=1012.087454 Correlation Coeff=0.998877

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	594.41	0.00
STD2-761715,	100.000	106.467	6.467	108348.72	6.47
STD4-664981,	200.000	196.766	3.234	199739.13	1.62



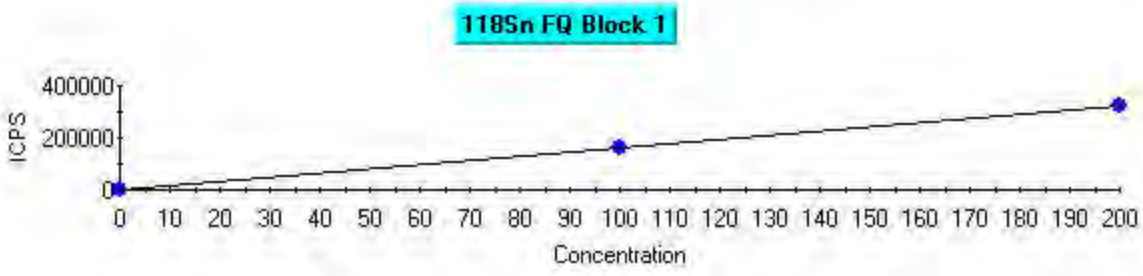
Intercept CPS=19.998912 Intercept Conc=0.004678
Sensitivity=4275.080558 Correlation Coeff=0.999601

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	20.00	0.00
STD2-761715,	100.000	103.876	3.876	444099.12	3.88
STD3-726967,	200.000	198.062	1.938	846750.58	0.97



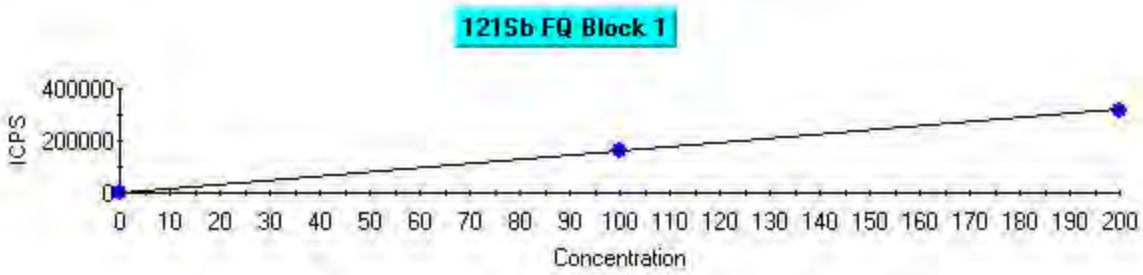
Intercept CPS=4.137145 Intercept Conc=0.005540
Sensitivity=746.838925 Correlation Coeff=0.999575

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	4.14	0.00
STD2-761715,	100.000	104.003	4.003	77677.52	4.00
STD3-726967,	200.000	197.999	2.001	147877.18	1.00



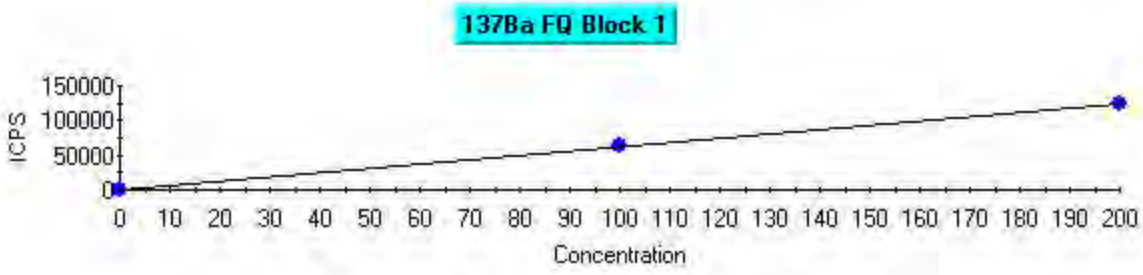
Intercept CPS=147.800120 Intercept Conc=0.091887
Sensitivity=1608.491662 Correlation Coeff=0.999941

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	147.80	0.00
STD2-761715,	100.000	101.496	1.496	163402.70	1.50
STD4-664981,	200.000	199.252	0.748	320643.27	0.37



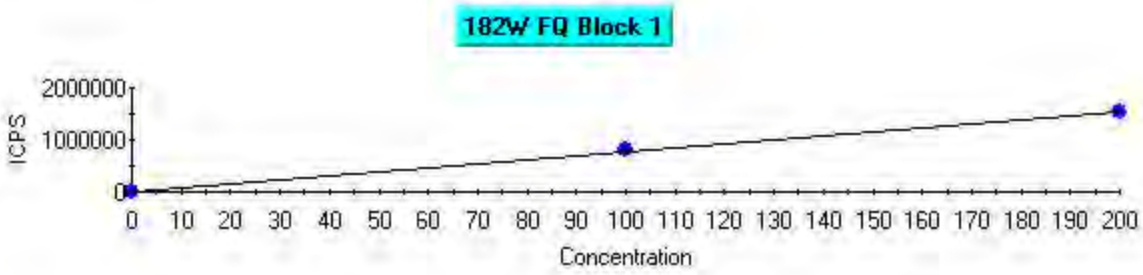
Intercept CPS=61.101044 Intercept Conc=0.038269
Sensitivity=1596.638860 Correlation Coeff=0.999951

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	61.10	0.00
STD2-761715,	100.000	101.363	1.363	161901.82	1.36
STD4-664981,	200.000	199.318	0.682	318300.46	0.34



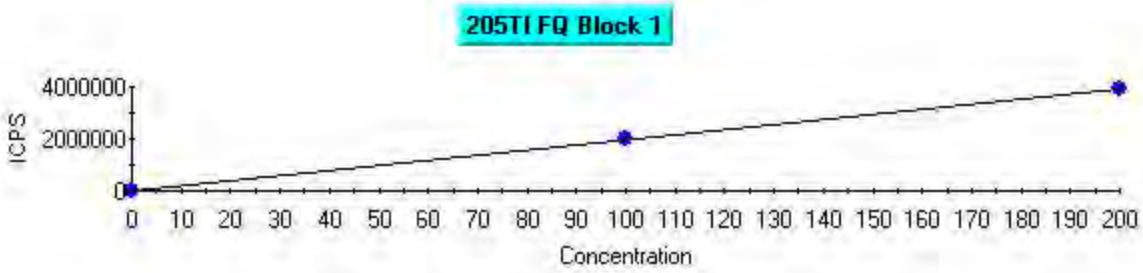
Intercept CPS=102.211579 Intercept Conc=0.163438
Sensitivity=625.384825 Correlation Coeff=0.999957

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	102.21	0.00
STD2-761715,	100.000	101.278	1.278	63440.08	1.28
STD3-726967,	200.000	199.361	0.639	124779.48	0.32



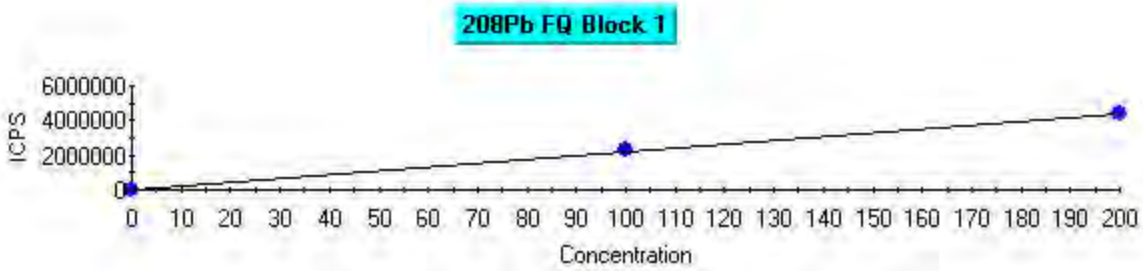
Intercept CPS=255.640849 Intercept Conc=0.032915
Sensitivity=7766.658402 Correlation Coeff=0.999184

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	255.64	0.00
STD2-761715,	100.000	105.524	5.524	819826.36	5.52
STD4-664981,	200.000	197.238	2.762	1532134.88	1.38



Intercept CPS=792.779850 Intercept Conc=0.040115
Sensitivity=19762.565718 Correlation Coeff=0.999786

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	-0.000	0.000	792.78	0.00
STD2-761715,	100.000	102.848	2.848	2033326.41	2.85
STD3-726967,	200.000	198.576	1.424	3925167.39	0.71



Intercept CPS=985.850973 Intercept Conc=0.045011
Sensitivity=21902.370585 Correlation Coeff=0.999594

Label	Defined	Measured	Error	Mean CPS	% Error
ICISM=6020	0.000	0.000	0.000	985.85	0.00
STD2-761715,	100.000	103.913	3.913	2276934.59	3.91
STD3-726967,	200.000	198.043	1.957	4338604.13	0.98

Dilution Corrected Concentrations

ICISM=6020 12/10/2012 08:43:58

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		100.000%	0.000	-0.000
%RSD		0.201	0.000	0.000
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		0.000	-0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 100.000%	100.000%	0.000
%RSD		T 0.799	1.194	0.000
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		-0.000	-0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.000	-0.000	0.000
%RSD		0.000	0.000	0.000
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		-0.000	0.000	0.000
%RSD		0.000	0.000	0.000
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		100.000%	0.000	-0.000
%RSD		0.266	0.000	0.000
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		-0.000	0.000	-0.000
%RSD		0.000	0.000	0.000
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.000	0.000
%RSD		0.000	0.000	0.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		-0.000	100.000%	0.000
%RSD		0.000	0.420	0.000
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.000	0.000	0.000
%RSD		0.000	0.000	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		100.000%	0.000	-0.000
%RSD		0.668	0.000	0.000
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.000	100.000%	
%RSD		0.000	0.522	

STD2-761715, 12/10/2012 08:48:50

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.455%	101.800	100.100
%RSD		0.428	0.425	0.357
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 51180.000	51650.000	533.100
%RSD		T 1.094	1.583	1.319
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 51390.000	51340.000
%RSD		0.000	T 0.387	0.188
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 87.897%	90.191%	103.900
%RSD		T 0.656	1.351	5.303
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		100.900	102.400	4.507
%RSD		0.229	0.515	29.210
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 511.000	T 25730.000	102.500
%RSD		T 0.084	T 0.247	0.549
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		103.600	104.300	103.800
%RSD		0.938	1.187	1.251
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.229%	101.300	-0.532
%RSD		0.304	0.413	17.880
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		100.400	100.000	106.500
%RSD		2.065	0.643	0.282
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	103.900	19.950
%RSD		0.000	0.598	243.100
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		104.000	90.284%	101.500
%RSD		1.582	0.957	0.570
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		101.400	101.300	0.000
%RSD		0.068	0.506	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		94.218%	105.500	102.800
%RSD		0.915	0.265	0.417
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		103.900	85.550%	
%RSD		0.193	1.134	

STD3-726967, 12/10/2012 08:55:59

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.858%	199.100	-2.062
%RSD		0.052	0.184	20.740
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 99410.000	M 99180.000	M 983.500
%RSD		TM 1.574	M 0.961	M 2.509
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	TM 99310.000	99330.000
%RSD		0.000	TM 0.977	0.572
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 82.504%	86.468%	0.397
%RSD		T 0.501	2.330	86.360
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 199.500	198.800	12.020
%RSD		M 0.490	0.698	10.710
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 994.500	T 49630.000	M 198.700
%RSD		T 0.302	T 0.850	M 0.781
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 198.200	197.900	M 198.100
%RSD		M 1.197	0.583	M 0.929
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		82.274%	M 199.400	-0.700
%RSD		0.484	M 1.019	18.930
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 199.800	M 200.000	0.603
%RSD		M 1.650	M 0.462	20.490
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	198.100	114.400
%RSD		0.000	0.491	13.430
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 198.000	86.276%	0.206
%RSD		M 0.910	1.340	16.830
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.231	M 199.400	0.000
%RSD		6.670	M 0.567	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		91.201%	0.575	T 198.600
%RSD		1.155	14.320	T 0.520
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		198.000	79.609%	
%RSD		0.222	1.399	

STD4-664981, 12/10/2012 09:03:08

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.638%	0.087	M 200.000
%RSD		0.726	2.258	M 1.769
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		42.610	39.200	3.294
%RSD		2.953	17.090	84.850
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	48.900	58.350
%RSD		0.000	1.690	4.301
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 82.829%	85.364%	M 198.100
%RSD		T 0.326	1.747	M 2.683
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.188	0.139	-4.372
%RSD		97.420	13.600	4.954
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.787	34.470	0.079
%RSD		1.523	6.637	34.050
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.397	0.338	2.702
%RSD		31.720	21.570	9.989
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		86.942%	0.044	0.101
%RSD		0.626	309.400	37.780
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.139	0.062	196.800
%RSD		80.480	8.893	0.710
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.106	10.380
%RSD		0.000	13.110	34.490
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.011	90.382%	M 199.300
%RSD		315.600	1.344	M 0.848
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		M 199.300	0.093	0.000
%RSD		M 0.769	22.610	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		93.152%	197.200	0.618
%RSD		1.111	0.381	6.562
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.114	95.013%	
%RSD		1.597	0.960	

ICV-665060, 12/10/2012 09:08:05 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.921%	102.314%	97.672%
%RSD		0.161	0.425	2.091
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 101.596%	101.377%	99.804%
%RSD		┬0.892	1.809	1.323
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	┬ 100.796%	101.192%
%RSD		0.000	┬0.332	0.066
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		┬84.007%	86.571%	99.909%
%RSD		┬0.333	0.159	3.663
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		100.046%	101.844%	1.071
%RSD		0.852	0.277	110.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 103.190%	┬ 101.540%	101.215%
%RSD		┬0.223	┬0.671	0.155
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		102.989%	104.272%	106.044%
%RSD		0.329	0.585	1.439
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		84.689%	101.228%	-0.194
%RSD		0.650	0.895	60.900
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		101.234%	96.508%	104.075%
%RSD		2.236	0.440	0.474
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	104.297%	83.170
%RSD		0.000	0.053	42.040
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		103.767%	87.753%	100.133%
%RSD		0.447	0.915	0.916
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		102.672%	100.570%	0.000
%RSD		0.497	1.365	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		93.345%	105.636%	102.837%
%RSD		1.314	0.269	0.396
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		104.804%	86.149%	
%RSD		0.684	0.898	

ICB 12/10/2012 09:15:16 QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.427%	0.045	-4.053
%RSD		0.179	23.740	17.290
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		19.070	22.430	5.041
%RSD		6.611	12.520	60.250
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	7.567	38.340
%RSD		0.000	14.890	16.470
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 82.997%	85.716%	0.357
%RSD		T 0.111	1.430	20.480
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		-0.100	0.026	-4.674
%RSD		252.600	52.510	5.620
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.636	15.540	0.040
%RSD		3.602	12.960	17.650
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.079	0.068	0.696
%RSD		56.740	85.090	20.260
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		86.595%	-0.044	-0.018
%RSD		1.311	202.400	247.100
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		-0.021	0.379	0.417
%RSD		556.800	17.580	28.120
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.007	-0.577
%RSD		0.000	41.370	211.300
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.038	90.498%	0.105
%RSD		51.360	0.488	24.610
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.112	0.067	0.000
%RSD		4.421	39.590	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		93.104%	0.678	0.419
%RSD		1.302	10.840	5.233
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.272	94.514%	
%RSD		5.451	0.429	

CRI-751770, 12/10/2012 09:20:16 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.032%	107.499%	47.118%
%RSD		0.159	4.822	15.550
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		100.953%	109.640%	95.727%
%RSD		1.282	1.785	3.146
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	T 101.265%	100.205%
%RSD		0.000	T 0.263	1.964
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 85.646%	88.380%	106.139%
%RSD		T 0.432	1.277	7.053
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		100.091%	102.221%	-4.188
%RSD		3.520	3.789	8.068
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		117.023%	121.268%	105.232%
%RSD		2.199	3.060	3.858
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		102.582%	115.652%	110.395%
%RSD		4.311	4.820	3.445
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		88.555%	95.088%	-0.142
%RSD		0.672	11.850	42.920
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		97.144%	91.262%	100.162%
%RSD		9.810	1.271	0.532
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	120.400%	6.156
%RSD		0.000	6.848	103.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		103.364%	91.879%	102.016%
%RSD		8.957	1.124	0.842
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		102.780%	108.371%	0.000
%RSD		4.031	4.938	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		94.566%	99.681%	119.057%
%RSD		0.658	1.464	1.286
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		112.559%	95.907%	
%RSD		0.087	0.710	

ICSA-726956, 12/10/2012 09:26:46 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		79.936%	0.002	-4.104
%RSD		0.445	284.400	13.190
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 50500.000	50070.000	M 49820.000
%RSD		T 1.031	1.242	M 0.714
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 50330.000	51120.000
%RSD		0.000	T 0.453	0.319
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 78.624%	84.648%	M 1018.000
%RSD		T 0.442	2.011	M 0.274
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.067	0.562	-2.963
%RSD		76.760	4.519	10.250
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.068	TM 50240.000	0.040
%RSD		5.274	TM 0.553	32.120
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.309	0.202	0.849
%RSD		9.592	21.810	30.830
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		82.952%	0.131	-0.211
%RSD		1.649	135.100	30.290
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.031	0.099	M 1003.000
%RSD		149.800	23.690	M 1.041
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.040	62.250
%RSD		0.000	17.640	10.130
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.022	86.934%	0.086
%RSD		157.400	1.100	5.934
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.170	0.029	0.000
%RSD		6.394	70.730	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		90.958%	0.312	0.168
%RSD		1.657	7.463	3.475
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.155	84.385%	
%RSD		5.537	1.623	

ICSAB-723527, 12/10/2012 09:31:47 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.207%	101.008%	92.918%
%RSD		0.247	0.548	1.135
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 101.002%	100.227%	M 99.861%
%RSD		T 0.145	0.643	M 0.617
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 102.099%	102.527%
%RSD		0.000	T 0.080	0.235
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 79.113%	85.225%	M 102.118%
%RSD		T 0.809	0.923	M 1.306
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		99.284%	101.479%	6.226
%RSD		0.693	0.339	17.020
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		100.409%	TM 101.907%	100.605%
%RSD		0.387	TM 0.400	0.806
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		102.459%	102.498%	104.612%
%RSD		1.418	0.853	1.917
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		83.000%	100.271%	-0.240
%RSD		0.751	1.112	102.300
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		100.400%	96.987%	M 1122.000
%RSD		1.051	0.710	M 1.193
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	103.151%	171.000
%RSD		0.000	0.621	10.650
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		103.385%	87.354%	101.923%
%RSD		1.628	0.721	1.313
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		101.491%	102.542%	0.000
%RSD		1.315	1.016	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		93.035%	103.789%	103.157%
%RSD		1.202	0.780	0.449
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		105.605%	86.345%	
%RSD		0.202	1.182	

CCV 12/10/2012 09:38:58 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.179%	101.876%	95.446%
%RSD		0.440	0.529	1.426
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬102.040%	100.981%	105.270%
%RSD		┬0.809	0.519	3.414
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	┬100.713%	102.075%
%RSD		0.000	┬0.191	0.399
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬84.110%	87.787%	103.467%
%RSD		┬0.718	0.920	4.256
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		99.251%	101.714%	5.252
%RSD		0.998	0.433	19.330
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬103.254%	┬102.301%	102.207%
%RSD		┬0.245	┬0.228	1.173
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		103.138%	103.246%	104.220%
%RSD		0.672	1.230	0.849
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		84.869%	101.146%	-0.444
%RSD		1.114	0.709	33.100
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		100.811%	100.385%	115.989%
%RSD		1.544	0.897	1.323
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	103.587%	71.510
%RSD		0.000	0.463	34.560
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		103.001%	88.589%	101.274%
%RSD		0.150	0.424	1.283
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		102.279%	101.522%	0.000
%RSD		0.302	0.477	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		94.551%	106.340%	103.507%
%RSD		1.134	0.534	0.324
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		104.689%	86.462%	
%RSD		0.394	1.094	

CCB 12/10/2012 09:46:08 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.059%	0.046	-7.096
%RSD		0.578	21.340	5.115
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		23.100	26.430	6.265
%RSD		9.057	0.677	50.930
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	11.800	40.610
%RSD		0.000	0.311	10.280
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 83.311%	86.255%	0.356
%RSD		T 0.629	0.668	43.960
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.096	0.042	-4.647
%RSD		169.600	29.880	2.412
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.647	19.040	0.045
%RSD		1.352	6.702	40.560
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.094	0.119	0.509
%RSD		49.730	35.870	26.700
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		87.008%	-0.079	-0.033
%RSD		0.439	88.630	246.700
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		-0.023	0.343	2.170
%RSD		379.600	4.631	4.731
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.018	0.081
%RSD		0.000	25.810	173.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.024	91.505%	0.105
%RSD		85.690	0.597	22.410
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.174	0.097	0.000
%RSD		16.500	52.810	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		94.084%	0.743	0.514
%RSD		1.208	11.270	6.685
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.269	95.676%	
%RSD		3.381	0.862	

2XLCS 12/10/2012 09:51:04 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.670%	M 2060.000	191.900
%RSD		0.276	M 0.259	1.001
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		19910.000	21030.000	M 20360.000
%RSD		0.536	2.270	M 0.279
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 20450.000	21020.000
%RSD		0.000	T 0.373	0.250
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 82.809%	88.551%	M 205.900
%RSD		T 0.761	0.552	M 2.461
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 1972.000	M 2047.000	195.000
%RSD		M 0.221	M 0.253	2.121
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2109.000	T 20570.000	TM 1824.000
%RSD		TM 0.154	T 0.532	TM 0.217
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 2042.000	M 2073.000	M 2118.000
%RSD		M 0.300	M 0.173	M 0.453
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.798%	M 2016.000	-7.358
%RSD		0.550	M 0.267	10.160
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 2038.000	M 1909.000	M 200.400
%RSD		M 0.317	M 0.241	M 1.276
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	M 209.400	1414.000
%RSD		0.000	M 0.384	12.110
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 2076.000	92.343%	M 202.100
%RSD		M 0.344	0.958	M 0.209
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		M 201.700	M 2024.000	0.000
%RSD		M 0.427	M 0.228	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.698%	M 201.000	TM 484.000
%RSD		0.860	M 0.790	TM 0.483
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 2033.000	93.190%	
%RSD		TM 0.269	0.691	

QSM HIGH 12/10/2012 09:58:17 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.205%	0.817	-6.580
%RSD		0.795	1.298	6.416
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		23.660	23.640	TM 291400.000
%RSD		2.569	24.570	TM 0.338
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		T 0.000	43.790	TM 312900.000
%RSD		T 0.000	2.120	TM 0.176
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 79.076%	96.170%	1.523
%RSD		T 0.816	1.502	33.450
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		TM 4943.000	TM 4903.000	639.800
%RSD		TM 0.403	TM 0.527	2.381
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5277.000	TM 315800.000	TM 4469.000
%RSD		TM 0.207	TM 0.133	TM 0.784
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 4790.000	TM 4316.000	M 4516.000
%RSD		M 0.482	TM 0.800	M 0.709
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		93.224%	M 4869.000	-0.271
%RSD		2.022	M 0.182	12.430
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.127	2.572	1.854
%RSD		11.500	2.880	4.276
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.131	-1.471
%RSD		0.000	7.165	710.700
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.914	99.075%	0.549
%RSD		11.120	1.205	9.554
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.425	TM 4907.000	0.000
%RSD		8.689	TM 0.451	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		91.482%	2.068	1.988
%RSD		1.469	9.428	2.992
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 5206.000	86.434%	
%RSD		TM 0.163	1.264	

BLANK 12/10/2012 10:05:30 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		100.766%	0.022	-10.280
%RSD		0.554	40.760	2.201
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		-0.950	2.936	35.740
%RSD		21.430	92.420	31.090
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	-3.948	36.440
%RSD		0.000	5.804	10.990
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T97.339%	100.802%	0.038
%RSD		T0.605	0.686	173.200
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.855	0.681	-2.136
%RSD		14.300	36.190	29.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.370	57.540	0.735
%RSD		1.529	31.480	30.640
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.843	0.932	1.320
%RSD		35.600	38.690	7.350
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		100.461%	1.143	-0.045
%RSD		0.233	30.610	81.160
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.061	0.023	0.281
%RSD		159.300	116.300	29.890
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.012	0.671
%RSD		0.000	49.960	117.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.062	103.001%	0.162
%RSD		46.520	0.170	14.750
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.179	0.717	0.000
%RSD		14.930	29.520	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		105.769%	0.509	0.412
%RSD		0.476	4.387	4.348
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.898	106.438%	
%RSD		28.900	0.391	

CCV 12/10/2012 10:10:38 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.821%	100.425%	90.161%
%RSD		0.820	0.435	1.129
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬ 103.986%	103.874%	105.354%
%RSD		┬0.561	0.689	1.541
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	┬ 102.791%	102.169%
%RSD		0.000	┬0.336	0.481
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬85.968%	93.127%	103.723%
%RSD		┬0.489	0.540	2.107
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		99.464%	101.946%	4.979
%RSD		1.349	0.471	20.870
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬ 103.480%	┬ 102.988%	102.429%
%RSD		┬0.360	┬0.788	0.719
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		103.005%	104.756%	105.009%
%RSD		0.192	0.619	1.011
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		89.821%	101.403%	-0.419
%RSD		1.035	0.757	11.280
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		99.949%	99.327%	106.649%
%RSD		2.448	0.924	0.729
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	104.857%	48.160
%RSD		0.000	0.673	67.630
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		103.728%	93.259%	100.722%
%RSD		0.775	1.034	0.853
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		101.152%	100.782%	0.000
%RSD		0.144	0.847	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		99.853%	106.070%	103.139%
%RSD		1.016	0.312	0.352
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		105.199%	91.655%	
%RSD		0.385	1.369	

CCB 12/10/2012 10:17:49 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.735%	0.067	10.200
%RSD		0.526	21.870	3.742
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		25.700	29.550	5.607
%RSD		1.475	9.163	22.950
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	17.220	46.300
%RSD		0.000	2.325	6.069
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 82.763%	87.080%	0.178
%RSD		T 0.219	1.646	86.600
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.130	0.053	-4.990
%RSD		140.500	48.910	5.444
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.727	21.950	0.070
%RSD		2.093	8.399	23.280
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.088	0.114	0.336
%RSD		13.020	31.300	57.140
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		87.571%	-0.040	-0.054
%RSD		1.103	103.300	25.050
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.102	0.364	0.277
%RSD		50.570	1.684	63.920
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.032	-0.274
%RSD		0.000	14.470	374.400
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.062	92.059%	0.103
%RSD		23.070	0.631	12.070
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.197	0.101	0.000
%RSD		17.720	68.140	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		96.639%	0.690	0.566
%RSD		0.340	10.000	5.597
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.278	99.271%	
%RSD		3.753	0.212	

mb 240-66568/1-a, 12/10/2012 10:22:52 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.980%	0.010	-9.747
%RSD		0.529	25.050	1.333
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		0.584	2.068	-2.863
%RSD		270.500	55.970	53.080
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	-3.601	34.490
%RSD		0.000	5.003	17.850
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		┬83.608%	87.127%	0.132
%RSD		┬0.456	1.129	100.700
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.072	0.104	-5.340
%RSD		84.200	28.510	2.635
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.255	4.141	0.006
%RSD		3.756	32.840	175.800
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.125	0.250	2.220
%RSD		62.750	17.950	15.080
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.146%	0.015	0.170
%RSD		0.693	881.900	20.050
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.008	-0.015	-0.099
%RSD		258.000	83.210	19.930
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.007	0.294
%RSD		0.000	74.480	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.005	92.680%	5.314
%RSD		186.100	0.312	1.344
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.083	-0.034	0.000
%RSD		28.420	1.955	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.412%	0.259	0.326
%RSD		0.789	3.943	4.145
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.061	100.341%	
%RSD		36.750	0.552	

Ics 240-66568/2-a, 12/10/2012 10:27:51 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.282%	M 987.900	86.580
%RSD		0.293	M 0.378	0.505
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9827.000	10310.000	M 9863.000
%RSD		1.036	1.051	M 1.330
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 10010.000	10160.000
%RSD		0.000	T 0.546	0.729
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.334%	91.277%	97.700
%RSD		T 0.555	1.373	3.458
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 941.700	M 985.500	89.510
%RSD		M 0.509	M 0.727	5.043
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1017.000	T 9938.000	M 958.700
%RSD		TM 0.090	T 0.706	M 0.683
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 1005.000	M 1020.000	M 1030.000
%RSD		M 0.775	M 0.462	M 0.572
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.837%	M 960.300	-3.270
%RSD		0.814	M 0.852	15.950
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 965.100	M 898.400	96.690
%RSD		M 0.445	M 0.222	0.772
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	105.000	457.200
%RSD		0.000	0.461	38.460
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 1010.000	94.815%	98.030
%RSD		M 0.454	0.296	0.379
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		97.950	M 962.800	0.000
%RSD		1.048	M 0.314	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.689%	96.680	TM 228.600
%RSD		0.909	0.765	TM 0.458
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 993.700	99.129%	
%RSD		TM 0.514	0.471	

240-17796 -a-20-b, 12/10/2012 10:35:00 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.800%	0.078	-10.560
%RSD		0.437	6.733	3.348
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		85.970	6.346	0.090
%RSD		1.993	24.140	747.500
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	-0.198	330.600
%RSD		0.000	233.200	1.932
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T87.678%	88.986%	0.129
%RSD		T0.363	0.262	0.270
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.194	0.604	-4.707
%RSD		138.300	4.540	6.110
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		3.482	39.340	0.032
%RSD		1.074	1.058	14.530
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		20.140	0.600	10.280
%RSD		2.481	15.490	1.754
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.334%	0.020	0.183
%RSD		0.766	625.700	13.690
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.167	0.105	0.185
%RSD		29.790	17.650	57.530
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.004	-0.264
%RSD		0.000	56.240	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.032	94.317%	1.050
%RSD		39.490	0.494	4.711
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.336	0.085	0.000
%RSD		1.253	52.830	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.419%	0.791	0.752
%RSD		0.796	10.430	5.638
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.109	101.089%	
%RSD		4.519	0.330	

CCV 1 12/10/2012 10:42:10 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.461%	100.537%	89.284%
%RSD		0.500	0.374	0.889
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 103.124%	102.584%	106.013%
%RSD		┬ 1.125	1.235	2.268
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	┬ 101.049%	102.064%
%RSD		0.000	┬ 0.335	0.375
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		┬ 84.116%	89.950%	103.836%
%RSD		┬ 0.937	1.715	3.658
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		99.868%	102.119%	5.112
%RSD		1.278	1.241	14.090
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 103.376%	┬ 102.411%	102.622%
%RSD		┬ 0.356	┬ 0.482	0.547
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		104.224%	105.068%	105.219%
%RSD		0.592	1.435	0.567
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		86.808%	102.336%	-0.420
%RSD		0.694	1.262	20.540
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		101.200%	99.847%	106.098%
%RSD		1.713	0.552	1.224
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	104.303%	92.970
%RSD		0.000	0.343	19.470
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		104.013%	91.239%	101.573%
%RSD		0.405	0.924	0.340
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		101.071%	100.530%	0.000
%RSD		0.614	1.239	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.493%	106.385%	103.603%
%RSD		1.194	0.149	0.277
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		105.038%	89.202%	
%RSD		0.334	1.272	

CCB 1 12/10/2012 10:49:20 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.109%	0.081	11.680
%RSD		0.178	4.979	5.055
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		34.690	41.390	8.901
%RSD		4.916	16.030	20.340
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	23.430	57.520
%RSD		0.000	3.231	6.972
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 82.991%	86.463%	0.132
%RSD		T 0.373	0.841	99.450
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.137	0.083	-5.248
%RSD		130.100	25.140	4.534
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.857	28.930	0.123
%RSD		3.121	3.131	17.180
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.159	0.148	0.587
%RSD		6.044	34.880	26.590
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.098%	-0.030	-0.048
%RSD		1.277	589.100	57.640
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.017	0.383	0.218
%RSD		334.400	5.128	33.030
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.045	0.016
%RSD		0.000	21.820	5852.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.082	91.667%	0.126
%RSD		42.320	1.774	25.160
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.199	0.209	0.000
%RSD		18.100	26.160	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.196%	0.649	0.614
%RSD		1.228	9.558	6.216
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.353	99.215%	
%RSD		4.516	1.183	

mb 240-65311/1-a, 12/10/2012 10:54:26 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.510%	0.006	-12.780
%RSD		0.199	27.920	2.555
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		60.310	67.440	-0.778
%RSD		3.492	11.230	91.750
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	20.670	259.800
%RSD		0.000	0.627	3.521
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T84.759%	88.162%	0.261
%RSD		T0.169	0.494	99.880
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.019	0.016	-5.006
%RSD		874.400	79.440	7.190
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.505	12.380	-0.009
%RSD		1.058	3.410	21.420
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.091	0.664	10.400
%RSD		28.080	2.285	0.680
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.934%	-0.056	0.204
%RSD		0.874	168.600	14.160
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.046	0.452	-0.236
%RSD		84.880	7.113	3.766
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.001	-0.215
%RSD		0.000	177.200	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.009	92.784%	0.109
%RSD		55.420	0.243	18.130
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.103	0.850	0.000
%RSD		26.110	6.294	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.429%	0.269	0.348
%RSD		0.543	8.130	2.892
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.044	100.519%	
%RSD		14.840	0.824	

lcs 240-65311/2-a, 12/10/2012 10:59:22 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.499%	M 944.400	77.150
%RSD		0.721	M 0.692	0.605
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9124.000	9480.000	M 9163.000
%RSD		0.539	0.837	M 0.915
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 9230.000	9585.000
%RSD		0.000	T 0.393	0.384
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 84.972%	91.109%	92.770
%RSD		T 0.716	1.205	1.139
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 903.200	M 948.000	86.640
%RSD		M 0.783	M 0.620	6.572
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 979.800	T 9155.000	M 923.800
%RSD		T 0.249	T 0.981	M 0.960
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 967.800	M 991.200	M 1005.000
%RSD		M 1.038	M 1.009	M 0.985
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.709%	M 933.200	-3.082
%RSD		1.578	M 0.578	15.610
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 938.200	M 867.800	89.970
%RSD		M 0.597	M 0.958	1.250
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	98.520	680.900
%RSD		0.000	0.280	34.050
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 973.400	95.101%	90.910
%RSD		M 0.369	0.797	0.856
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		92.040	M 926.700	0.000
%RSD		1.380	M 0.692	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.115%	89.910	TM 220.200
%RSD		0.858	0.773	TM 0.149
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 953.400	98.976%	
%RSD		TM 0.118	0.941	

240-17422-b-13-a, 12/10/2012 11:06:33 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.360%	0.068	47.740
%RSD		0.362	17.600	0.813
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		4823.000	10520.000	171.600
%RSD		0.426	0.612	4.020
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2839.000	48240.000
%RSD		0.000	T 0.517	0.129
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.114%	93.377%	2.300
%RSD		T 0.628	1.057	14.500
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.290	0.296	-3.817
%RSD		19.920	3.819	4.505
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		98.030	435.800	0.157
%RSD		0.448	0.419	5.714
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.552	0.828	3.254
%RSD		6.616	9.432	11.100
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		93.317%	0.671	0.148
%RSD		1.546	11.190	27.690
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.434	104.900	0.299
%RSD		6.736	1.732	37.330
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.004	-0.550
%RSD		0.000	147.700	135.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.039	96.358%	0.177
%RSD		35.540	1.691	22.650
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.416	22.360	0.000
%RSD		10.530	0.849	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.788%	0.769	0.821
%RSD		1.125	11.740	8.184
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.320	98.833%	
%RSD		2.813	0.688	

SD 240-17422-b-13-a@5, 12/10/2012 11:13:45 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		93.177%	0.015	-0.201
%RSD		0.337	29.820	340.000
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		978.600	2179.000	33.440
%RSD		1.000	1.468	13.740
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	591.000	9815.000
%RSD		0.000	0.084	0.695
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 89.424%	92.538%	0.869
%RSD		T 0.581	1.035	37.450
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.083	0.026	-2.700
%RSD		195.600	30.440	16.010
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		20.170	86.610	0.029
%RSD		0.269	1.598	52.400
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.167	0.229	0.744
%RSD		26.530	20.460	17.500
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		92.781%	0.042	0.037
%RSD		0.371	271.100	67.960
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.010	20.620	-0.253
%RSD		344.800	2.495	16.940
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	0.000
%RSD		0.000	190.500	0.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.007	96.283%	0.037
%RSD		265.200	0.490	22.510
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.129	4.303	0.000
%RSD		19.120	4.653	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.814%	0.232	0.361
%RSD		0.901	1.232	1.781
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.053	101.089%	
%RSD		4.634	0.587	

240-17422 -b-13 -b du, 12/10/2012 11:18:43 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.489%	0.018	45.400
%RSD		0.237	3.243	1.752
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		4776.000	10630.000	166.300
%RSD		1.293	1.883	5.691
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2843.000	48030.000
%RSD		0.000	T 0.069	0.335
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 87.534%	90.822%	3.041
%RSD		T 0.645	1.404	23.470
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.422	0.304	-3.454
%RSD		28.320	15.430	7.729
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		97.220	428.600	0.112
%RSD		0.098	0.610	21.120
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.681	0.841	3.291
%RSD		8.287	9.189	2.340
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.782%	0.613	0.122
%RSD		0.437	9.955	19.550
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.141	103.300	-0.123
%RSD		86.570	0.690	42.990
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.003	-0.211
%RSD		0.000	67.700	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.010	94.259%	0.070
%RSD		27.380	0.245	48.680
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.141	21.910	0.000
%RSD		10.260	1.244	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.187%	0.165	0.297
%RSD		0.946	3.709	1.611
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.288	97.528%	
%RSD		2.405	0.894	

240-17422 -b-13 -c ms, 12/10/2012 11:23:41 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.210%	98.070	142.500
%RSD		0.277	0.169	1.202
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		15050.000	21370.000	M 10330.000
%RSD		0.871	1.541	M 0.861
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 13260.000	59360.000
%RSD		0.000	T 0.606	0.242
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 84.405%	88.886%	101.300
%RSD		T 0.802	0.429	5.343
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		96.910	98.870	4.942
%RSD		0.874	0.198	20.210
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 198.900	T 10560.000	98.880
%RSD		T 0.477	T 0.488	0.651
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		101.300	102.600	107.600
%RSD		1.118	1.602	0.866
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.422%	99.600	-0.261
%RSD		1.197	0.419	41.040
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		96.420	M 198.700	97.380
%RSD		1.836	M 0.877	0.789
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	103.200	33.890
%RSD		0.000	0.502	116.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		102.200	90.715%	98.420
%RSD		0.676	0.989	0.498
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		98.880	121.000	0.000
%RSD		0.305	0.621	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.909%	98.470	98.540
%RSD		1.127	0.889	0.448
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		104.800	93.071%	
%RSD		0.628	0.838	

PDS 240-17422 -b-13 -a, 12/10/2012 11:30:53 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.376%	101.900	143.100
%RSD		0.705	0.680	1.527
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		15770.000	21850.000	M 11310.000
%RSD		0.161	1.543	M 0.438
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 14160.000	58650.000
%RSD		0.000	T 0.417	0.282
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 81.724%	87.993%	96.300
%RSD		T 0.520	0.794	4.510
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		100.000	101.400	4.619
%RSD		0.477	0.715	7.396
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 200.000	T 11640.000	101.700
%RSD		T 0.156	T 0.269	0.359
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		103.100	105.800	108.500
%RSD		0.374	0.171	0.758
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.461%	103.000	-0.283
%RSD		0.599	0.559	51.100
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		100.100	196.700	96.420
%RSD		2.477	0.109	1.216
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	102.200	44.470
%RSD		0.000	0.690	159.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		105.300	90.886%	97.530
%RSD		0.928	0.204	0.959
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		95.150	123.700	0.000
%RSD		0.893	0.699	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.827%	98.470	104.000
%RSD		1.830	0.469	0.450
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		108.200	92.820%	
%RSD		0.419	1.134	

240-17477 -a-4-a, 12/10/2012 11:38:05 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.620%	0.037	8.772
%RSD		0.494	7.018	2.356
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		3947.000	8306.000	320.600
%RSD		0.408	0.635	2.873
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1883.000	31440.000
%RSD		0.000	T 0.245	0.227
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 84.796%	89.941%	4.131
%RSD		T 0.846	0.689	11.540
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.723	0.434	-3.686
%RSD		43.610	7.963	7.802
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 329.000	1273.000	0.307
%RSD		T 0.353	0.625	15.830
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.904	1.615	11.800
%RSD		17.700	8.128	2.107
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.968%	0.783	0.186
%RSD		1.008	14.010	15.060
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.161	58.880	0.705
%RSD		51.090	0.506	8.047
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.093	-1.207
%RSD		0.000	49.290	172.100
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.109	94.000%	0.750
%RSD		65.670	1.221	7.772
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.025	34.360	0.000
%RSD		18.330	1.083	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.038%	1.216	0.429
%RSD		1.239	10.080	6.594
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.588	99.128%	
%RSD		7.265	0.909	

240-17477 -a-4-b du, 12/10/2012 11:43:03 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.712%	0.018	10.010
%RSD		0.660	11.900	0.987
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		4157.000	8890.000	318.700
%RSD		1.006	1.350	0.926
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2036.000	33750.000
%RSD		0.000	T 0.575	0.454
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 87.051%	91.385%	4.020
%RSD		T 0.305	0.700	16.730
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.647	0.353	-2.889
%RSD		17.590	3.313	10.900
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 355.400	1328.000	0.233
%RSD		T 0.460	0.566	9.927
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.794	0.842	3.861
%RSD		7.821	15.010	6.886
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.970%	0.734	0.169
%RSD		0.965	10.860	20.000
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.013	63.330	0.050
%RSD		533.000	0.942	110.100
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.005	-1.553
%RSD		0.000	70.680	53.980
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.015	94.664%	0.111
%RSD		51.060	1.632	28.710
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.384	36.050	0.000
%RSD		12.320	1.456	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.312%	0.489	0.255
%RSD		0.260	3.595	3.161
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.383	99.033%	
%RSD		2.434	0.622	

240-17477 -a-4-c ms, 12/10/2012 11:48:00 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.827%	97.950	103.300
%RSD		0.879	0.777	0.612
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		14130.000	19350.000	M 10400.000
%RSD		0.231	1.509	M 0.924
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 12240.000	42940.000
%RSD		0.000	T 0.221	0.066
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 84.238%	87.676%	99.160
%RSD		T 0.243	0.770	4.367
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		96.330	98.620	5.261
%RSD		0.335	0.689	13.390
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 445.300	T 11310.000	98.310
%RSD		T 0.206	T 0.362	0.113
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		101.100	101.300	105.000
%RSD		0.691	1.213	1.827
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.861%	98.350	-0.084
%RSD		0.851	0.881	116.000
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		97.800	152.800	96.440
%RSD		1.026	0.429	0.958
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	103.300	81.660
%RSD		0.000	0.418	39.370
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		102.400	90.325%	97.760
%RSD		0.650	0.419	0.738
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		98.290	131.800	0.000
%RSD		0.547	0.726	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.187%	97.250	97.210
%RSD		0.672	0.453	0.080
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		105.100	93.998%	
%RSD		0.395	0.946	

CCV 2 12/10/2012 11:55:08 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.520%	98.849%	88.044%
%RSD		0.186	0.086	2.094
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 104.279%	103.948%	109.726%
%RSD		┬0.766	0.512	1.992
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	┬ 102.222%	101.767%
%RSD		0.000	┬0.661	0.119
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		┬85.526%	90.264%	103.380%
%RSD		┬0.612	1.104	0.848
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		100.617%	102.412%	4.688
%RSD		1.189	0.257	5.527
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 102.959%	┬ 103.793%	101.810%
%RSD		┬0.437	┬0.361	0.409
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		103.267%	103.570%	103.803%
%RSD		0.122	0.560	0.524
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.580%	102.016%	-0.457
%RSD		0.851	0.399	12.480
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		100.861%	99.820%	106.530%
%RSD		2.619	0.469	0.598
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	104.523%	2.928
%RSD		0.000	0.195	1178.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		104.316%	91.062%	101.894%
%RSD		0.290	1.135	0.973
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		102.085%	100.565%	0.000
%RSD		0.358	1.032	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.578%	107.000%	102.958%
%RSD		0.925	0.291	0.617
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		105.387%	90.141%	
%RSD		0.434	0.658	

CCB 2 12/10/2012 12:02:17 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.557%	0.101	11.870
%RSD		0.255	17.580	3.118
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		53.750	54.360	7.607
%RSD		23.600	37.680	34.790
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	30.560	55.780
%RSD		0.000	0.343	2.287
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 82.552%	87.032%	0.221
%RSD		T 0.662	0.551	173.200
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.243	0.107	-4.787
%RSD		110.600	19.600	8.180
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.876	36.160	0.162
%RSD		2.797	17.800	11.600
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.202	0.205	0.457
%RSD		43.900	21.090	35.480
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		87.287%	0.010	-0.063
%RSD		0.646	949.600	46.260
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.229	0.397	0.266
%RSD		33.840	6.436	17.580
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.082	-0.035
%RSD		0.000	39.770	3804.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.140	91.322%	0.188
%RSD		4.850	0.550	25.970
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.298	0.206	0.000
%RSD		16.740	22.610	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		97.085%	0.831	0.657
%RSD		1.401	7.159	3.807
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.395	99.498%	
%RSD		9.444	1.086	

240-17422 -a-14-a, 12/10/2012 12:09:28 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.121%	0.010	43.510
%RSD		0.211	54.750	1.785
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		4527.000	9987.000	87.070
%RSD		1.034	1.323	1.429
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2795.000	45990.000
%RSD		0.000	T 0.580	0.315
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.813%	91.985%	1.587
%RSD		T 0.726	1.745	24.480
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.273	0.163	-4.073
%RSD		40.980	15.520	5.896
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		100.100	313.000	0.099
%RSD		1.499	0.543	12.500
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.531	0.742	3.662
%RSD		7.580	14.210	14.100
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.843%	0.539	0.167
%RSD		0.761	18.700	30.070
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.056	99.700	-0.085
%RSD		309.500	0.986	54.160
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	0.649
%RSD		0.000	52.700	55.850
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.021	95.671%	0.183
%RSD		34.710	1.157	15.760
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.201	20.700	0.000
%RSD		12.460	1.278	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.833%	0.292	0.325
%RSD		0.945	2.947	3.447
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.216	98.765%	
%RSD		1.755	0.897	

240-17422 -a-15-a, 12/10/2012 12:14:23 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.796%	0.011	27.670
%RSD		0.505	31.760	1.551
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9968.000	9298.000	68.030
%RSD		0.600	2.382	7.657
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2404.000	39920.000
%RSD		0.000	T 0.474	0.228
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 87.912%	90.756%	1.352
%RSD		T 0.556	1.008	36.040
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.230	0.157	-3.975
%RSD		17.340	15.290	6.003
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		47.880	262.000	0.065
%RSD		0.852	0.343	14.310
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.666	1.890	11.390
%RSD		17.060	2.399	5.248
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.790%	0.496	0.149
%RSD		1.338	29.650	32.050
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.096	90.490	-0.045
%RSD		26.490	0.736	42.980
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	-0.551
%RSD		0.000	400.800	93.360
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.008	94.784%	0.099
%RSD		113.700	0.639	24.260
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.203	24.610	0.000
%RSD		11.620	0.560	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.590%	0.189	0.244
%RSD		0.720	8.078	2.724
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.245	99.434%	
%RSD		4.352	0.738	

240-17477 -a-1-a, 12/10/2012 12:19:20 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		93.016%	0.008	7.947
%RSD		0.313	61.120	4.735
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		4302.000	9405.000	53.820
%RSD		0.328	0.990	6.641
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1683.000	32900.000
%RSD		0.000	T 0.433	0.518
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 89.059%	91.820%	0.834
%RSD		T 0.388	0.200	8.538
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.125	0.176	-2.771
%RSD		166.900	4.092	9.210
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 622.400	1443.000	0.293
%RSD		T 0.403	1.093	2.951
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.561	0.572	2.514
%RSD		24.430	9.789	11.340
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		92.063%	0.637	0.146
%RSD		0.741	34.820	27.180
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.051	62.390	-0.250
%RSD		246.600	0.811	6.350
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.002	0.445
%RSD		0.000	38.070	440.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.007	94.994%	0.040
%RSD		105.900	0.371	37.640
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.106	30.260	0.000
%RSD		6.548	0.715	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.869%	0.155	0.203
%RSD		0.629	5.215	7.265
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.096	99.721%	
%RSD		3.046	0.201	

240-17477 -a-2-a, 12/10/2012 12:24:15 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		91.532%	0.009	9.823
%RSD		0.168	19.140	7.731
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		4111.000	8965.000	249.200
%RSD		0.625	1.741	2.745
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1999.000	32890.000
%RSD		0.000	T 0.625	0.114
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.033%	90.556%	3.085
%RSD		T 0.267	1.168	11.460
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.545	0.292	-2.930
%RSD		22.060	6.983	17.470
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 239.600	1043.000	0.167
%RSD		T 0.103	0.483	16.650
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.738	0.805	3.553
%RSD		7.767	7.477	6.337
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.876%	0.704	0.160
%RSD		1.332	3.593	8.539
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.062	62.920	-0.286
%RSD		66.620	0.094	4.885
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.002	0.230
%RSD		0.000	205.000	563.300
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.002	94.693%	0.065
%RSD		453.600	0.702	41.940
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.113	32.060	0.000
%RSD		20.310	1.714	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.565%	0.130	0.175
%RSD		0.677	6.306	0.965
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.306	99.849%	
%RSD		3.030	0.843	

240-17477 -a-3-a, 12/10/2012 12:29:17 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.864%	0.004	9.377
%RSD		0.374	166.100	5.954
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		4214.000	8865.000	38.330
%RSD		0.270	1.153	1.001
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1836.000	32220.000
%RSD		0.000	T 0.270	0.658
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 87.467%	91.029%	0.505
%RSD		T 0.658	0.265	24.930
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.052	0.049	-2.799
%RSD		216.500	34.780	9.131
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 194.700	619.000	0.070
%RSD		T 0.256	0.457	22.990
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.429	0.401	3.696
%RSD		7.371	16.020	14.670
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		92.077%	0.324	0.179
%RSD		1.179	17.710	23.770
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.033	59.940	-0.335
%RSD		245.600	0.339	8.496
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.001	0.370
%RSD		0.000	164.900	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.010	94.805%	0.066
%RSD		55.060	1.100	23.580
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.093	26.830	0.000
%RSD		15.880	1.506	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.948%	0.088	0.134
%RSD		0.794	11.810	4.899
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.060	99.893%	
%RSD		8.132	1.000	

CCV 3 12/10/2012 12:34:18 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		92.802%	99.478%	88.971%
%RSD		0.800	0.699	2.269
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬ 103.126%	104.575%	102.533%
%RSD		┬ 1.224	1.035	3.177
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	┬ 104.271%	101.687%
%RSD		0.000	┬ 0.536	0.232
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬ 86.968%	91.122%	102.421%
%RSD		┬ 0.365	1.264	4.894
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		99.806%	101.183%	4.857
%RSD		1.138	0.948	17.680
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬ 102.503%	┬ 104.330%	101.688%
%RSD		┬ 0.233	┬ 0.463	0.836
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		103.555%	103.849%	104.643%
%RSD		1.644	0.745	0.365
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		87.427%	101.565%	-0.329
%RSD		1.021	0.469	26.770
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		101.939%	100.083%	106.211%
%RSD		1.469	0.853	1.287
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	105.314%	30.180
%RSD		0.000	0.817	8.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		105.431%	90.391%	102.873%
%RSD		0.753	1.352	0.727
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		102.807%	101.974%	0.000
%RSD		1.157	0.681	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		98.915%	106.342%	101.998%
%RSD		0.468	0.903	0.163
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		106.495%	90.878%	
%RSD		0.862	0.884	

CCB 3 12/10/2012 12:41:31 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.056%	0.140	10.870
%RSD		0.252	5.185	4.612
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		50.970	52.980	6.177
%RSD		2.837	15.890	7.345
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	39.490	71.150
%RSD		0.000	1.396	4.726
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T81.598%	85.349%	0.223
%RSD		T0.284	1.000	91.590
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.032	0.142	-4.115
%RSD		424.200	7.000	6.774
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		1.004	36.160	0.162
%RSD		1.107	2.111	3.367
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.175	0.233	0.450
%RSD		9.973	17.160	89.470
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		86.135%	0.003	-0.062
%RSD		0.693	1229.000	38.850
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.105	0.399	0.123
%RSD		121.300	9.425	117.700
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.082	0.315
%RSD		0.000	4.719	663.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.131	90.726%	0.128
%RSD		11.350	0.978	11.470
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.195	0.202	0.000
%RSD		10.110	32.310	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		97.973%	0.615	0.534
%RSD		0.444	9.701	4.301
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.394	99.828%	
%RSD		2.094	0.808	

donotuseCRI -751770 12/10/2012 12:46:36 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.854%	106.194%	14.657%
%RSD		0.315	1.865	25.850
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		101.557%	107.138%	98.969%
%RSD		1.133	1.683	7.824
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 104.292%	101.667%
%RSD		0.000	T 0.315	1.614
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 84.566%	88.056%	96.603%
%RSD		T 0.519	1.151	2.159
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		98.582%	102.969%	-3.511
%RSD		5.362	4.542	5.638
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		122.007%	128.212%	103.901%
%RSD		1.772	0.742	3.558
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		110.648%	193.762%	113.251%
%RSD		4.042	3.003	6.507
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.955%	93.310%	-0.126
%RSD		0.472	7.973	21.280
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		93.006%	94.678%	94.326%
%RSD		16.190	3.229	1.115
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	116.997%	0.882
%RSD		0.000	3.518	189.900
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		127.798%	93.335%	100.474%
%RSD		7.515	0.798	1.635
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		107.782%	101.785%	0.000
%RSD		8.207	9.830	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.033%	100.300%	121.605%
%RSD		1.390	0.483	0.685
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		115.709%	101.072%	
%RSD		2.226	0.939	

CRI-751770 12/10/2012 12:52:36 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.671%	102.317%	16.268%
%RSD		0.250	4.514	18.180
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		101.005%	107.514%	94.513%
%RSD		1.108	5.108	5.960
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 103.072%	98.945%
%RSD		0.000	T 0.330	1.698
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.006%	88.420%	108.289%
%RSD		T 0.458	1.235	9.388
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		96.765%	100.989%	-3.372
%RSD		3.332	0.602	8.963
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		110.913%	118.365%	107.276%
%RSD		2.388	1.043	4.023
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		103.778%	110.842%	105.515%
%RSD		9.223	3.264	2.106
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.576%	98.114%	-0.124
%RSD		1.230	5.744	33.270
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		96.002%	91.989%	93.323%
%RSD		19.600	1.409	2.969
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	114.757%	0.599
%RSD		0.000	2.204	352.700
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		103.505%	92.590%	101.410%
%RSD		10.260	1.032	0.332
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		104.332%	100.484%	0.000
%RSD		4.717	4.026	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.266%	99.507%	112.233%
%RSD		1.071	0.237	0.524
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		111.666%	101.548%	
%RSD		0.832	0.879	

MDLV 12/10/2012 12:57:38 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.357%	0.898	29.930
%RSD		0.276	3.477	1.451
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		408.000	339.100	56.100
%RSD		1.708	10.780	7.351
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	55.340	996.200
%RSD		0.000	1.741	1.959
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬85.474%	88.440%	0.992
%RSD		┬0.837	0.917	45.100
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		1.348	1.479	-2.849
%RSD		15.270	2.868	7.927
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		3.102	110.600	0.297
%RSD		0.153	0.435	9.217
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		1.816	4.216	21.300
%RSD		3.400	1.373	0.967
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		90.037%	0.911	-0.087
%RSD		0.465	9.525	29.180
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.364	2.756	3.494
%RSD		12.720	3.092	2.008
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.051	1.876
%RSD		0.000	14.180	160.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.783	93.295%	4.213
%RSD		8.963	1.155	2.948
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.566	4.062	0.000
%RSD		10.260	1.989	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		100.631%	0.233	1.072
%RSD		0.800	14.200	0.701
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.538	101.571%	
%RSD		2.708	0.289	

CCV 12/10/2012 13:02:36 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.776%	99.581%	90.071%
%RSD		0.222	0.193	1.630
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬ 102.817%	104.572%	106.955%
%RSD		┬0.286	0.205	1.926
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	┬ 104.851%	101.629%
%RSD		0.000	┬0.390	0.485
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬85.611%	92.789%	100.871%
%RSD		┬0.714	1.439	1.047
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		99.295%	101.341%	4.714
%RSD		0.236	0.555	5.779
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬ 102.851%	┬ 104.864%	101.025%
%RSD		┬0.275	┬0.258	0.067
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		103.068%	103.214%	104.303%
%RSD		1.070	2.278	0.305
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		89.965%	102.469%	-0.410
%RSD		0.644	0.383	35.170
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		100.840%	99.135%	106.008%
%RSD		0.543	0.140	1.004
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	105.373%	91.780
%RSD		0.000	0.411	21.280
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		105.382%	92.924%	102.291%
%RSD		1.432	0.914	0.376
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		103.140%	102.051%	0.000
%RSD		0.517	0.515	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		101.696%	106.774%	102.558%
%RSD		1.167	0.547	0.454
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		106.318%	92.193%	
%RSD		0.357	1.160	

CCB 12/10/2012 13:09:48 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.922%	0.123	10.630
%RSD		0.408	17.880	5.919
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		58.000	64.870	8.331
%RSD		6.712	8.912	29.320
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	45.680	71.870
%RSD		0.000	3.095	11.640
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬83.407%	87.914%	0.262
%RSD		┬0.318	1.207	50.960
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.009	0.169	-4.455
%RSD		2032.000	14.610	9.116
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		1.060	39.670	0.159
%RSD		2.676	0.269	6.583
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.185	0.181	0.534
%RSD		28.130	17.940	23.630
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		89.076%	0.069	-0.086
%RSD		0.638	141.500	19.460
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.171	0.427	0.086
%RSD		38.960	3.002	95.160
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.105	0.325
%RSD		0.000	9.641	364.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.156	92.732%	0.164
%RSD		33.100	1.206	10.610
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.186	0.240	0.000
%RSD		16.910	30.500	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		100.052%	0.636	0.529
%RSD		1.285	10.360	4.696
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.418	101.897%	
%RSD		1.793	0.810	

mb 240-67375/1-a, 12/10/2012 13:14:50 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.038%	0.003	-11.960
%RSD		0.100	62.580	5.751
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		39.050	40.160	-1.249
%RSD		15.200	33.230	38.820
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	22.540	318.200
%RSD		0.000	3.805	2.426
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.139%	89.685%	0.256
%RSD		T 0.305	0.946	0.905
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.081	0.081	-4.786
%RSD		150.900	15.450	5.345
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		3.843	10.400	-0.000
%RSD		0.164	27.950	4601.000
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.158	0.620	32.930
%RSD		19.220	6.159	2.645
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.806%	-0.116	0.176
%RSD		0.599	54.070	10.340
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.055	0.264	-0.325
%RSD		131.900	10.700	10.180
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.012	-0.212
%RSD		0.000	137.200	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.004	94.073%	0.481
%RSD		329.600	0.386	12.790
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.070	0.651	0.000
%RSD		25.500	6.372	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.862%	0.215	0.273
%RSD		0.714	6.753	4.365
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.101	103.866%	
%RSD		30.520	0.815	

Ics 240-67375/2-a, 12/10/2012 13:19:53 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.901%	M 881.200	73.320
%RSD		0.404	M 0.459	2.886
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		8860.000	9396.000	M 8895.000
%RSD		1.178	1.019	M 1.348
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 9198.000	9502.000
%RSD		0.000	T 0.518	0.250
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.033%	91.541%	91.200
%RSD		T 0.558	1.876	2.262
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 838.200	M 882.100	79.120
%RSD		M 0.354	M 0.551	6.776
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 909.800	T 9159.000	M 865.200
%RSD		T 0.095	T 0.741	M 1.004
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 896.500	M 919.500	M 990.400
%RSD		M 1.155	M 1.160	M 0.945
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.366%	M 873.300	-3.297
%RSD		1.571	M 1.029	11.490
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 888.900	M 818.600	85.940
%RSD		M 1.137	M 0.734	0.638
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	95.560	539.100
%RSD		0.000	1.323	27.660
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 926.800	95.298%	93.970
%RSD		M 0.776	0.586	0.788
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		89.740	M 873.300	0.000
%RSD		1.373	M 0.581	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		103.730%	86.680	TM 202.600
%RSD		1.577	0.764	TM 0.073
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 908.000	102.274%	
%RSD		TM 0.749	0.804	

240-18236 -j-5-d, 12/10/2012 13:27:05 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		91.816%	0.042	94.710
%RSD		0.444	4.037	1.355
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		27050.000	52270.000	15.670
%RSD		0.134	0.649	11.440
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5627.000	TM 173500.000
%RSD		0.000	T 0.360	TM 0.185
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 92.869%	97.178%	0.474
%RSD		T 0.465	0.617	65.950
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-20.020	M 467.900	41.340
%RSD		3.250	M 0.289	3.298
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		19.320	-126.700	0.082
%RSD		0.298	0.610	1.398
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.799	0.973	3.307
%RSD		10.280	1.862	7.293
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		93.998%	0.997	0.182
%RSD		0.227	9.541	37.780
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.122	M 753.700	13.680
%RSD		16.830	M 0.474	0.589
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.004	0.710
%RSD		0.000	70.140	86.620
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.029	98.133%	0.218
%RSD		47.270	1.438	17.130
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.501	39.560	0.000
%RSD		2.082	0.873	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		106.027%	0.816	0.776
%RSD		0.830	11.390	7.263
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.029	95.754%	
%RSD		11.120	0.803	

SD 240-18236 -j-5-d@5, 12/10/2012 13:34:17 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		94.700%	0.023	10.300
%RSD		0.362	30.600	6.991
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		5828.000	11480.000	2.997
%RSD		0.451	1.248	37.130
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1149.000	37630.000
%RSD		0.000	T 0.624	0.510
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 90.999%	94.717%	0.081
%RSD		T 0.167	0.128	173.200
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-3.811	97.850	5.019
%RSD		27.020	0.510	36.900
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		4.044	-28.630	0.012
%RSD		1.272	0.419	34.950
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.227	0.366	1.253
%RSD		18.660	10.870	24.810
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		94.170%	0.049	0.031
%RSD		1.217	249.600	214.400
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.323	151.200	2.440
%RSD		47.490	0.371	6.003
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	0.356
%RSD		0.000	138.200	122.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.005	97.537%	0.084
%RSD		112.900	0.289	13.390
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.150	8.916	0.000
%RSD		22.010	2.772	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		105.887%	0.241	0.331
%RSD		0.789	6.522	2.778
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		-0.001	102.678%	
%RSD		738.800	0.803	

240-18236 -j-5-e ms, 12/10/2012 13:39:20 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.289%	M 928.600	182.600
%RSD		0.498	M 0.280	0.997
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 36980.000	59450.000	M 9425.000
%RSD		T 0.515	0.595	M 0.596
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 15600.000	TM 177100.000
%RSD		0.000	T 0.279	TM 0.525
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.731%	93.704%	99.530
%RSD		T 0.856	1.058	0.303
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 922.200	M 1407.000	129.100
%RSD		M 0.352	M 0.428	4.544
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 978.300	T 9796.000	M 927.300
%RSD		T 0.489	T 0.623	M 1.388
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 948.000	M 944.900	M 950.100
%RSD		M 0.740	M 0.428	M 0.365
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.651%	M 990.800	-3.526
%RSD		1.143	M 0.500	12.480
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 983.200	M 1646.000	113.000
%RSD		M 0.534	M 0.247	1.069
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	101.000	586.500
%RSD		0.000	0.445	26.900
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 986.100	95.067%	98.100
%RSD		M 0.185	0.730	1.032
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		97.950	M 1003.000	0.000
%RSD		0.434	M 0.432	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		105.408%	101.500	TM 236.900
%RSD		1.421	0.249	TM 0.128
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 942.700	93.808%	
%RSD		TM 0.573	0.888	

240-18236 -j-5-f msd, 12/10/2012 13:46:33 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.767%	M 935.200	186.500
%RSD		0.241	M 0.278	0.621
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 36990.000	60330.000	M 9365.000
%RSD		T 0.685	1.196	M 0.556
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 15480.000	TM 179900.000
%RSD		0.000	T 0.248	TM 0.450
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.993%	96.560%	98.590
%RSD		T 0.970	1.247	0.737
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 912.300	M 1405.000	132.000
%RSD		M 0.071	M 0.927	5.111
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 981.600	T 9891.000	M 934.900
%RSD		T 0.297	T 0.927	M 1.080
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 946.000	M 946.300	M 955.500
%RSD		M 0.709	M 0.395	M 0.442
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		92.792%	M 991.200	-3.577
%RSD		0.679	M 0.364	11.130
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 977.900	M 1662.000	113.400
%RSD		M 1.457	M 0.355	0.687
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	99.140	494.800
%RSD		0.000	0.206	28.130
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 971.700	97.716%	97.150
%RSD		M 0.236	1.249	0.759
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		98.540	M 1004.000	0.000
%RSD		0.305	M 0.487	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.008%	101.400	TM 233.700
%RSD		0.647	0.827	TM 0.235
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 938.200	95.752%	
%RSD		TM 0.603	0.868	

240-18237 -j-3-d, 12/10/2012 13:53:46 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		91.705%	0.069	M 323.800
%RSD		0.056	27.550	M 0.316
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 76600.000	31190.000	26.270
%RSD		T 1.260	1.250	0.715
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 11370.000	M 104000.000
%RSD		0.000	T 0.168	M 0.318
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 91.447%	94.913%	0.525
%RSD		T 0.395	0.897	66.550
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.404	0.464	-4.391
%RSD		18.090	9.054	5.756
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		3.095	-30.400	0.325
%RSD		0.929	2.502	0.186
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.872	1.141	3.966
%RSD		7.107	11.740	7.793
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		92.184%	2.649	0.137
%RSD		0.230	9.012	6.567
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.360	M 374.600	2.010
%RSD		6.756	M 0.712	5.928
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.005	1.089
%RSD		0.000	37.140	282.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.032	95.575%	1.009
%RSD		42.320	0.373	10.150
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.441	M 229.000	0.000
%RSD		10.510	M 0.500	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		105.877%	0.916	0.997
%RSD		1.148	7.300	6.376
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.294	95.768%	
%RSD		1.849	0.812	

240-18237 -j-3-e ms, 12/10/2012 14:00:56 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.126%	M 946.900	M 423.200
%RSD		0.356	M 0.351	M 0.677
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 88140.000	41750.000	M 9748.000
%RSD		T 0.701	0.227	M 1.029
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 21730.000	M 117100.000
%RSD		0.000	T 0.441	M 0.038
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.625%	92.330%	98.800
%RSD		T 0.578	1.424	2.827
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 947.700	M 970.400	88.050
%RSD		M 0.626	M 0.635	2.318
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 987.800	T 10040.000	M 949.400
%RSD		T 0.311	T 0.292	M 1.203
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 959.500	M 961.400	M 983.300
%RSD		M 0.662	M 1.289	M 1.281
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.234%	M 990.100	-3.302
%RSD		1.421	M 0.830	20.350
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 977.900	M 1322.000	102.800
%RSD		M 0.880	M 0.502	0.293
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	100.900	727.700
%RSD		0.000	0.309	16.440
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 1004.000	93.456%	99.550
%RSD		M 0.226	0.807	0.474
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		99.500	M 1218.000	0.000
%RSD		0.908	M 0.279	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		103.645%	102.800	TM 238.300
%RSD		1.134	0.837	TM 0.272
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 963.300	92.934%	
%RSD		TM 0.028	1.068	

240-18237 -j-3-f msd, 12/10/2012 14:08:06 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.184%	M 920.100	M 410.700
%RSD		0.705	M 0.647	M 0.897
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 84110.000	40000.000	M 9292.000
%RSD		T 1.371	0.421	M 1.259
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 20950.000	M 110900.000
%RSD		0.000	T 0.629	M 0.035
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.648%	92.918%	95.040
%RSD		T 0.804	1.575	3.464
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 911.500	M 930.900	81.770
%RSD		M 0.558	M 0.506	5.590
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 950.700	T 9694.000	M 909.400
%RSD		T 0.089	T 0.334	M 0.107
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 926.400	M 926.100	M 944.600
%RSD		M 0.252	M 0.268	M 0.282
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.036%	M 958.400	-3.189
%RSD		0.270	M 0.447	2.243
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 948.900	M 1269.000	99.190
%RSD		M 0.553	M 0.608	1.139
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	98.590	562.800
%RSD		0.000	0.978	16.150
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 971.600	94.389%	96.690
%RSD		M 0.491	1.248	0.437
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		96.120	M 1169.000	0.000
%RSD		0.373	M 0.652	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.888%	98.980	TM 230.400
%RSD		0.892	0.168	TM 0.265
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 930.500	94.313%	
%RSD		TM 0.033	1.009	

240-18236 -d-1-b, 12/10/2012 14:15:16 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		96.924%	0.055	45.650
%RSD		0.492	15.600	0.807
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 33040.000	64590.000	27.770
%RSD		T 0.900	1.004	5.081
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3611.000	TM 149300.000
%RSD		0.000	T 0.481	TM 0.257
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 94.610%	101.943%	0.264
%RSD		T 0.974	1.004	65.120
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.027	0.465	-3.500
%RSD		369.700	6.979	6.381
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		17.250	-9.491	0.127
%RSD		1.004	10.060	19.400
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.978	0.674	2.020
%RSD		12.360	5.169	10.170
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		96.337%	0.445	0.190
%RSD		1.307	21.150	25.160
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.359	M 952.700	0.430
%RSD		33.050	M 0.145	11.770
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.004	0.365
%RSD		0.000	33.740	677.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.027	100.456%	0.217
%RSD		60.020	1.042	10.810
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.442	37.740	0.000
%RSD		4.891	0.536	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		109.886%	0.936	1.089
%RSD		1.432	9.504	5.917
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.053	97.988%	
%RSD		2.410	1.154	

CCV 12/10/2012 14:22:26 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		93.778%	99.822%	91.214%
%RSD		0.418	0.166	1.099
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬ 102.402%	104.332%	105.973%
%RSD		┬0.773	0.465	1.905
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	┬ 104.764%	101.783%
%RSD		0.000	┬0.194	0.372
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬90.207%	94.346%	102.323%
%RSD		┬1.121	0.579	2.632
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		99.268%	100.883%	5.821
%RSD		1.198	0.648	30.630
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬ 102.295%	┬ 105.939%	101.175%
%RSD		┬0.296	┬0.369	1.326
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		102.761%	102.511%	105.151%
%RSD		0.534	0.651	2.013
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		91.681%	101.911%	-0.427
%RSD		0.866	1.676	25.340
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		100.451%	100.775%	105.636%
%RSD		0.791	0.120	0.259
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	104.963%	70.980
%RSD		0.000	0.794	81.770
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		105.462%	94.888%	103.639%
%RSD		0.547	0.455	0.385
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		103.394%	101.489%	0.000
%RSD		0.328	1.228	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		104.311%	106.629%	102.193%
%RSD		0.674	0.592	0.388
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		106.434%	94.122%	
%RSD		0.591	0.800	

CCB 12/10/2012 14:29:35 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.255%	0.101	10.770
%RSD		0.088	6.921	5.397
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		50.990	39.400	3.733
%RSD		6.281	13.410	28.310
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	31.190	48.010
%RSD		0.000	2.764	8.601
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬88.490%	92.267%	0.125
%RSD		┬0.298	1.027	99.710
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.273	0.120	-4.710
%RSD		19.960	20.320	3.368
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.588	29.750	0.147
%RSD		2.751	1.887	1.338
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.193	0.226	0.282
%RSD		14.660	9.102	14.070
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		93.592%	0.137	-0.014
%RSD		2.156	141.000	632.400
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.170	0.308	0.135
%RSD		32.010	14.420	47.060
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.086	-1.423
%RSD		0.000	12.050	142.300
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.160	96.972%	0.196
%RSD		5.252	0.815	22.780
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.264	0.165	0.000
%RSD		5.095	22.120	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		104.434%	0.702	0.784
%RSD		0.818	7.637	4.987
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.299	105.356%	
%RSD		3.839	0.364	

240-18236 -d-2-b, 12/10/2012 14:36:45 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		97.004%	0.024	44.370
%RSD		0.255	25.280	2.222
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 34470.000	66490.000	32.700
%RSD		T 0.550	1.147	10.320
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3747.000	TM 153300.000
%RSD		0.000	T 0.155	TM 0.133
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 94.955%	101.133%	0.609
%RSD		T 0.823	0.990	11.880
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.067	0.516	-3.604
%RSD		207.100	14.670	3.170
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		18.230	-17.970	0.136
%RSD		0.068	12.170	10.030
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.046	0.872	3.893
%RSD		9.122	5.719	13.480
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		96.672%	0.416	0.137
%RSD		1.306	35.940	22.580
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.189	M 986.800	-0.000
%RSD		38.960	M 0.265	4636.000
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.010	0.348
%RSD		0.000	29.380	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.016	100.634%	0.512
%RSD		1.051	0.709	5.961
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.147	38.390	0.000
%RSD		15.450	2.082	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		109.686%	0.265	0.430
%RSD		1.700	9.465	2.854
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.062	97.616%	
%RSD		2.230	1.315	

240-18236 -d-3-b, 12/10/2012 14:41:41 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		101.104%	0.022	43.020
%RSD		0.328	39.670	3.462
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 34420.000	64400.000	50.310
%RSD		T 0.635	1.293	8.372
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3770.000	TM 148400.000
%RSD		0.000	T 0.380	TM 0.198
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 96.297%	101.433%	0.758
%RSD		T 0.657	0.532	17.370
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.151	1.113	-2.988
%RSD		138.400	3.560	7.925
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		19.480	14.290	0.124
%RSD		0.217	9.620	14.450
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.040	0.945	3.999
%RSD		3.300	3.864	10.460
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		97.406%	0.398	0.185
%RSD		1.265	18.630	15.280
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.151	M 952.100	-0.108
%RSD		82.140	M 0.367	39.290
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	-0.197
%RSD		0.000	66.050	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.016	100.275%	0.071
%RSD		47.350	0.720	40.050
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.149	37.700	0.000
%RSD		7.949	0.917	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		110.391%	0.186	0.339
%RSD		1.130	10.570	2.815
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.117	97.959%	
%RSD		4.136	1.199	

240-18236 -d-4-b, 12/10/2012 14:46:39 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		100.113%	0.011	45.800
%RSD		0.532	24.370	0.523
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 35350.000	66670.000	35.090
%RSD		T 0.505	2.301	9.843
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3933.000	TM 154400.000
%RSD		0.000	T 0.306	TM 0.445
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 95.553%	101.612%	0.568
%RSD		T 0.732	0.518	35.030
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.091	0.803	-2.901
%RSD		119.900	5.986	10.030
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		20.050	-4.303	0.135
%RSD		0.626	43.040	3.687
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.956	0.836	3.371
%RSD		7.089	8.466	4.671
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		96.704%	0.482	0.215
%RSD		1.056	14.560	44.310
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.222	M 985.500	-0.093
%RSD		3.756	M 0.163	53.500
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.001	-0.200
%RSD		0.000	100.600	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.020	100.098%	0.498
%RSD		58.570	0.649	6.773
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.140	39.260	0.000
%RSD		33.420	1.458	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		109.735%	0.139	0.287
%RSD		1.245	8.381	1.731
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.069	97.332%	
%RSD		4.433	0.969	

240-18236 -d-6-b, 12/10/2012 14:51:38 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		99.377%	0.008	45.510
%RSD		0.597	54.230	3.220
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 34570.000	65230.000	28.980
%RSD		T 0.678	1.118	4.732
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3827.000	TM 148500.000
%RSD		0.000	T 0.166	TM 0.133
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 95.357%	99.888%	0.309
%RSD		T 0.458	1.192	44.590
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.253	0.258	-3.269
%RSD		93.520	5.827	18.490
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		16.910	-22.880	0.130
%RSD		0.381	4.965	11.670
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.062	1.188	3.046
%RSD		11.280	2.955	4.859
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		95.659%	0.410	0.191
%RSD		0.643	14.250	2.428
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.179	M 956.600	-0.105
%RSD		48.580	M 0.238	34.670
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.000	-0.199
%RSD		0.000	1359.000	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.012	99.538%	0.075
%RSD		127.300	1.395	21.050
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.100	37.740	0.000
%RSD		14.430	1.412	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		109.301%	0.108	0.256
%RSD		0.871	14.360	2.536
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.050	97.014%	
%RSD		2.192	1.180	

240-18236 -d-7-b, 12/10/2012 14:56:42 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		95.198%	0.008	85.550
%RSD		0.350	14.290	0.884
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		25850.000	50730.000	85.580
%RSD		0.195	0.346	4.007
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5072.000	M 127300.000
%RSD		0.000	T 0.113	M 0.432
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 91.672%	95.229%	0.524
%RSD		T 0.638	0.781	96.350
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.234	28.250	0.079
%RSD		133.400	1.369	704.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		24.150	39.010	0.140
%RSD		0.130	3.557	6.764
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.910	0.805	2.229
%RSD		5.015	8.322	5.627
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.936%	0.870	0.169
%RSD		0.900	8.462	7.092
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.193	M 736.800	1.472
%RSD		26.530	M 1.019	8.751
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.002	-0.186
%RSD		0.000	79.620	819.100
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.023	95.687%	0.091
%RSD		11.810	0.120	20.430
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.190	37.200	0.000
%RSD		11.960	2.461	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		106.491%	0.114	0.224
%RSD		0.899	5.864	5.697
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.134	96.120%	
%RSD		0.912	0.649	

240-18236 -c-8-a, 12/10/2012 15:01:44 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		91.468%	0.014	104.000
%RSD		0.309	51.640	1.914
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		20840.000	39990.000	271.300
%RSD		0.364	0.764	1.601
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5360.000	M 108300.000
%RSD		0.000	T 0.220	M 0.274
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 89.191%	91.048%	0.883
%RSD		T 0.576	0.426	56.750
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.216	40.460	0.368
%RSD		215.100	0.787	255.700
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		19.250	10.180	0.112
%RSD		0.732	22.660	13.830
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.722	0.836	4.274
%RSD		3.867	12.520	12.600
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.579%	1.056	0.149
%RSD		0.953	25.990	31.400
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.554	M 590.800	2.177
%RSD		11.130	M 0.768	6.446
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.003	0.525
%RSD		0.000	153.600	210.100
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.007	93.282%	10.610
%RSD		134.600	1.002	1.008
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.241	34.540	0.000
%RSD		19.360	1.889	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.063%	0.117	0.213
%RSD		0.518	7.830	2.287
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.115	94.875%	
%RSD		4.672	0.921	

240-18236 -d-9-b, 12/10/2012 15:06:43 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.295%	0.006	130.000
%RSD		0.355	22.380	1.133
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		17020.000	32120.000	75.600
%RSD		0.408	0.690	12.180
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 6112.000	97040.000
%RSD		0.000	T 0.222	0.164
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 87.058%	88.098%	1.085
%RSD		T 0.387	0.947	47.810
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.406	57.110	1.797
%RSD		197.600	0.335	78.520
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		23.210	24.220	0.112
%RSD		0.785	11.790	15.670
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.702	0.779	4.078
%RSD		2.315	9.021	6.683
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.425%	1.036	0.157
%RSD		0.886	0.594	3.597
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.446	M 484.300	3.065
%RSD		17.360	M 0.400	1.996
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.005	0.000
%RSD		0.000	75.090	0.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.025	91.471%	0.293
%RSD		62.800	1.196	20.750
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.263	34.960	0.000
%RSD		9.398	0.768	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.293%	0.114	0.180
%RSD		0.508	5.241	4.361
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.189	94.205%	
%RSD		4.220	0.620	

240-18236 -d-10 -b, 12/10/2012 15:11:43 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.465%	0.004	163.100
%RSD		0.494	32.590	0.681
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		10430.000	18020.000	27.310
%RSD		0.590	0.795	0.310
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 6859.000	74290.000
%RSD		0.000	T 0.176	0.160
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 84.341%	84.316%	0.409
%RSD		T 0.419	0.807	33.680
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-1.191	79.590	4.473
%RSD		5.756	0.247	1.638
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		7.208	-47.410	0.046
%RSD		0.438	0.554	15.340
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.278	0.499	3.337
%RSD		6.803	22.620	4.046
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		84.711%	1.310	0.160
%RSD		0.704	12.150	17.520
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		3.010	M 294.900	4.326
%RSD		16.420	M 0.664	1.065
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.000	0.084
%RSD		0.000	613.900	947.300
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.003	89.446%	0.113
%RSD		262.400	0.748	15.530
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.338	33.390	0.000
%RSD		10.540	3.823	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.606%	0.117	0.153
%RSD		0.867	10.250	2.145
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.012	94.371%	
%RSD		12.190	0.399	

CCV 5 12/10/2012 15:16:40 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.026%	101.715%	94.330%
%RSD		0.818	1.434	1.836
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 100.093%	101.367%	110.609%
%RSD		┬ 0.545	0.821	0.406
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	┬ 103.211%	100.007%
%RSD		0.000	┬ 0.312	0.664
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		┬ 84.973%	86.077%	102.458%
%RSD		┬ 0.887	0.662	3.794
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		99.026%	100.142%	4.841
%RSD		1.030	0.370	2.834
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 101.139%	┬ 105.416%	98.893%
%RSD		┬ 0.209	┬ 0.487	0.309
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		99.598%	100.321%	103.921%
%RSD		0.650	0.694	1.199
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		84.351%	101.576%	-0.410
%RSD		0.685	0.520	34.490
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		101.106%	101.993%	104.723%
%RSD		2.456	0.796	0.814
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	103.646%	64.200
%RSD		0.000	0.692	47.150
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		106.186%	87.963%	104.127%
%RSD		1.844	1.051	0.329
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		105.564%	103.842%	0.000
%RSD		0.842	1.432	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.048%	106.161%	101.187%
%RSD		0.738	0.454	0.636
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		107.478%	87.962%	
%RSD		0.433	1.236	

CCB 5 12/10/2012 15:23:50 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.951%	0.089	10.250
%RSD		0.419	8.995	3.657
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		48.490	50.160	5.059
%RSD		7.679	23.290	27.460
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	33.030	44.990
%RSD		0.000	2.033	12.840
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 86.346%	86.111%	0.222
%RSD		T 0.195	0.391	34.960
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.194	0.105	-3.652
%RSD		56.700	16.010	7.120
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.621	30.050	0.131
%RSD		1.071	2.768	0.210
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.168	0.103	0.442
%RSD		30.110	7.149	69.560
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		87.710%	0.138	-0.047
%RSD		1.216	27.830	40.000
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.114	0.339	0.078
%RSD		78.740	15.470	85.170
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.080	0.482
%RSD		0.000	3.442	270.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.108	91.707%	0.130
%RSD		5.581	0.500	11.110
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.151	0.124	0.000
%RSD		13.080	36.450	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		98.674%	0.577	0.540
%RSD		0.361	10.640	4.923
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.260	99.015%	
%RSD		4.443	0.607	

240-18237 -d-1-b, 12/10/2012 15:28:49 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.063%	0.018	M 344.800
%RSD		0.098	11.450	M 1.392
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 77090.000	31960.000	189.600
%RSD		T 0.532	0.247	0.832
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 11730.000	M 104300.000
%RSD		0.000	T 0.251	M 0.195
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 87.555%	87.593%	4.203
%RSD		T 0.421	0.533	10.660
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.748	0.483	-3.938
%RSD		13.990	10.840	2.933
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		9.109	483.500	0.381
%RSD		0.088	0.980	6.598
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.235	1.015	27.360
%RSD		8.222	6.765	2.400
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		85.977%	2.816	0.139
%RSD		1.788	2.926	13.110
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.060	M 389.600	1.566
%RSD		76.210	M 1.304	9.409
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	-0.360
%RSD		0.000	116.600	413.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.001	90.245%	0.195
%RSD		214.300	0.773	19.180
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.113	M 236.600	0.000
%RSD		6.234	M 0.723	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.815%	0.215	0.303
%RSD		0.825	2.693	3.597
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.322	89.373%	
%RSD		2.170	0.601	

240-18237 -d-2-b, 12/10/2012 15:33:44 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.981%	0.106	M 401.000
%RSD		0.393	5.018	M 0.219
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 71440.000	34190.000	M 2334.000
%RSD		T 0.968	0.823	M 0.818
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 14860.000	M 119900.000
%RSD		0.000	T 0.144	M 0.294
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 84.395%	85.463%	44.320
%RSD		T 0.513	1.643	11.710
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		5.084	3.901	-3.669
%RSD		2.756	1.109	8.068
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 332.900	4517.000	1.599
%RSD		T 0.244	0.398	1.333
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		5.650	4.239	36.910
%RSD		2.977	3.194	1.291
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		83.747%	8.880	0.147
%RSD		0.875	0.718	50.010
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.116	M 449.500	0.565
%RSD		50.150	M 0.184	4.835
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.014	0.054
%RSD		0.000	32.290	2395.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.089	88.166%	0.371
%RSD		12.950	1.190	7.002
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.168	M 285.100	0.000
%RSD		20.310	M 0.325	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.530%	0.171	0.258
%RSD		1.345	10.710	1.253
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		6.095	88.627%	
%RSD		0.520	1.103	

240-18237 -d-4-b, 12/10/2012 15:38:41 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.204%	0.001	M 323.000
%RSD		0.299	414.200	M 0.394
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 72490.000	30090.000	13.310
%RSD		T 1.099	0.369	12.290
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 10890.000	M 100000.000
%RSD		0.000	T 0.376	M 0.646
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.279%	88.445%	0.737
%RSD		T 0.684	0.971	36.140
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.115	0.276	-3.996
%RSD		167.800	5.717	9.856
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		6.150	-13.500	0.288
%RSD		0.439	2.828	1.592
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.973	0.681	5.885
%RSD		14.330	9.790	5.099
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		86.570%	1.974	0.142
%RSD		0.913	3.447	29.970
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.000	M 373.600	1.320
%RSD		11940.000	M 1.243	11.520
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.000	0.677
%RSD		0.000	6632.000	183.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.001	90.761%	0.083
%RSD		544.300	0.982	44.120
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.097	M 220.400	0.000
%RSD		21.060	M 0.321	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.783%	0.093	0.180
%RSD		0.807	6.317	2.581
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.195	90.468%	
%RSD		3.754	0.408	

240-18237 -d-5-b, 12/10/2012 15:43:37 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.811%	0.018	M 335.100
%RSD		0.698	9.667	M 0.693
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 76120.000	31680.000	346.800
%RSD		T 0.378	0.903	3.096
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 11650.000	M 104100.000
%RSD		0.000	T 0.469	M 0.418
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.997%	87.085%	4.938
%RSD		T 0.677	0.258	10.660
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.817	0.790	-3.155
%RSD		11.600	4.355	7.390
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		23.660	456.700	0.365
%RSD		0.488	0.056	8.275
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.447	1.404	8.052
%RSD		1.611	5.985	5.393
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		84.484%	2.492	0.132
%RSD		1.295	5.368	45.930
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.015	M 401.700	1.585
%RSD		629.100	M 0.385	8.070
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.004	-0.449
%RSD		0.000	44.860	86.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.037	89.227%	0.246
%RSD		34.990	0.628	4.835
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.164	M 222.500	0.000
%RSD		6.779	M 1.537	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.470%	0.091	0.158
%RSD		0.399	4.292	5.881
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.718	89.013%	
%RSD		1.353	0.299	

240-18237-d-6-b, 12/10/2012 15:48:38 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.786%	0.027	M 332.800
%RSD		0.767	28.600	M 1.057
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 76040.000	31950.000	383.200
%RSD		T 0.435	0.318	0.712
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 11630.000	M 104300.000
%RSD		0.000	T 0.446	M 0.254
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.271%	85.551%	6.954
%RSD		T 0.628	0.312	12.800
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.945	0.718	-3.518
%RSD		11.510	3.447	5.316
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		25.470	500.800	0.430
%RSD		0.849	0.422	3.581
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.310	0.984	6.467
%RSD		5.226	9.472	8.151
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		83.909%	2.564	0.161
%RSD		1.114	2.810	19.290
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.056	M 398.700	1.292
%RSD		97.990	M 0.406	5.737
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.002	-0.821
%RSD		0.000	95.630	31.040
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.008	88.421%	0.097
%RSD		59.120	1.012	4.063
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.135	M 221.700	0.000
%RSD		14.230	M 0.481	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.163%	0.075	0.133
%RSD		0.867	8.570	0.833
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.788	88.051%	
%RSD		0.820	0.668	

240-18237 -d-7-b, 12/10/2012 15:53:37 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.879%	0.034	M 277.300
%RSD		0.222	38.010	M 0.739
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 69110.000	27290.000	519.100
%RSD		T 0.431	0.174	0.962
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7969.000	89220.000
%RSD		0.000	T 0.505	0.270
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 83.735%	86.210%	11.620
%RSD		T 0.373	1.167	13.260
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		3.384	1.260	-4.313
%RSD		4.228	4.915	7.856
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 511.100	T 32620.000	1.106
%RSD		T 0.330	T 0.338	8.492
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		4.403	4.047	48.520
%RSD		5.497	4.107	1.541
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		85.118%	62.620	0.135
%RSD		1.081	0.568	9.224
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.168	M 370.800	0.708
%RSD		52.520	M 0.757	2.756
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.003	0.948
%RSD		0.000	168.200	81.370
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.086	88.440%	0.423
%RSD		8.467	0.620	15.680
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.196	132.900	0.000
%RSD		7.349	0.279	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.885%	0.154	0.124
%RSD		1.409	3.354	6.515
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		2.131	88.418%	
%RSD		0.841	0.775	

240-18250 -a-2-a, 12/10/2012 15:58:35 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.175%	0.022	M 2046.000
%RSD		0.612	16.040	M 0.702
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 66730.000	65110.000	0.875
%RSD		T 1.508	0.743	155.500
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1220.000	TM 271000.000
%RSD		0.000	T 0.535	TM 0.416
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 84.355%	91.930%	0.333
%RSD		T 0.958	2.499	77.680
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.158	0.103	-4.855
%RSD		143.400	19.930	8.759
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 10520.000	TM 123800.000	3.247
%RSD		TM 0.400	TM 0.805	2.115
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		3.114	0.186	1.822
%RSD		5.057	17.890	8.613
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.668%	53.350	0.141
%RSD		1.669	1.067	24.890
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.162	M 1252.000	6.979
%RSD		82.050	M 0.171	1.833
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.002	0.109
%RSD		0.000	136.100	627.500
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.015	93.806%	0.104
%RSD		34.630	1.444	11.320
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.055	58.800	0.000
%RSD		13.580	0.957	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.505%	0.041	0.107
%RSD		1.156	8.949	4.318
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.076	89.066%	
%RSD		5.669	1.083	

240-18250 -b-3-a, 12/10/2012 16:03:34 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.107%	0.015	M 333.200
%RSD		1.051	45.100	M 1.642
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 74540.000	40720.000	188.100
%RSD		T 0.764	0.291	0.801
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3278.000	M 116300.000
%RSD		0.000	T 0.622	M 0.251
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.312%	89.738%	3.464
%RSD		T 0.501	0.351	33.850
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.419	0.309	-4.147
%RSD		21.100	13.620	5.023
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		65.770	T 6952.000	0.409
%RSD		0.554	T 0.345	10.630
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.831	3.259	4.845
%RSD		5.111	4.038	8.015
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.632%	20.020	0.163
%RSD		0.781	2.187	30.770
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.056	M 1047.000	13.230
%RSD		80.190	M 0.022	2.872
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.002	0.327
%RSD		0.000	161.700	608.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.024	92.259%	0.111
%RSD		111.500	0.518	12.390
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.172	38.010	0.000
%RSD		26.160	0.749	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.114%	0.112	0.104
%RSD		0.711	11.640	4.540
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.465	92.137%	
%RSD		4.571	0.742	

450-8019-a-1-a, 12/10/2012 16:08:32 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.853%	0.015	M 241.100
%RSD		0.349	21.170	M 0.602
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 50540.000	32100.000	91.100
%RSD		T 0.655	0.516	3.714
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 9188.000	80010.000
%RSD		0.000	T 0.423	0.049
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.459%	86.603%	2.344
%RSD		T 0.623	0.277	36.680
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.696	1.532	-4.433
%RSD		18.770	1.614	7.359
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		79.660	247.000	0.279
%RSD		0.217	0.940	9.645
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.630	3.785	54.180
%RSD		2.758	3.546	0.857
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		86.593%	1.163	0.133
%RSD		0.338	9.417	14.990
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.157	M 314.200	1.180
%RSD		39.620	M 0.710	10.380
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.003	-0.137
%RSD		0.000	153.400	815.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.029	90.867%	2.021
%RSD		19.030	0.229	2.392
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.096	16.990	0.000
%RSD		8.978	2.972	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		101.988%	0.256	0.090
%RSD		0.739	6.316	1.898
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		10.100	92.982%	
%RSD		0.372	0.519	

mb 240-67365/1-a, 12/10/2012 16:13:35 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.716%	-0.002	-3.813
%RSD		0.122	31.750	12.380
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		48.180	45.520	-0.891
%RSD		3.560	16.830	89.100
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	25.800	325.600
%RSD		0.000	4.216	2.191
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 89.858%	87.745%	0.044
%RSD		T 0.749	0.745	173.200
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.039	0.068	-3.570
%RSD		336.300	13.860	8.625
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.643	11.240	-0.007
%RSD		3.098	2.536	26.440
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.179	0.587	30.400
%RSD		20.580	15.760	0.750
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.581%	-0.081	0.160
%RSD		0.929	141.400	36.500
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.024	0.331	-0.470
%RSD		32.240	2.924	7.295
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.003	0.288
%RSD		0.000	251.400	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.002	94.609%	0.615
%RSD		112.300	0.266	7.416
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.024	0.686	0.000
%RSD		53.700	10.490	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.852%	0.028	0.067
%RSD		0.451	5.560	8.517
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.084	103.059%	
%RSD		3.912	0.266	

CCV 6 12/10/2012 16:18:34 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.541%	101.649%	92.011%
%RSD		0.725	0.626	2.264
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 98.957%	100.953%	105.756%
%RSD		T 0.584	1.322	0.632
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 103.304%	99.156%
%RSD		0.000	T 0.650	0.209
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.613%	86.323%	103.088%
%RSD		T 0.825	0.935	4.464
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		98.592%	99.426%	4.733
%RSD		0.855	0.532	22.730
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 100.143%	T 105.774%	98.564%
%RSD		T 0.178	T 0.455	0.393
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		98.617%	100.309%	102.588%
%RSD		0.319	1.530	1.196
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		85.747%	100.396%	-0.369
%RSD		1.108	1.416	25.830
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		103.007%	100.799%	104.287%
%RSD		3.340	0.978	0.269
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	103.741%	100.900
%RSD		0.000	0.444	51.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		105.603%	88.827%	104.608%
%RSD		0.319	0.908	0.189
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		105.228%	103.768%	0.000
%RSD		0.394	0.695	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.506%	105.409%	99.906%
%RSD		0.303	0.720	0.160
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		105.984%	89.080%	
%RSD		0.931	1.016	

CCB 6 12/10/2012 16:25:44 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.302%	0.091	-9.706
%RSD		1.003	10.750	3.016
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		34.120	35.690	4.731
%RSD		1.074	9.293	47.550
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	31.000	46.770
%RSD		0.000	2.848	5.108
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 85.999%	85.433%	0.313
%RSD		T 0.675	0.914	88.920
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.151	0.062	-4.511
%RSD		114.700	21.880	3.687
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.571	25.290	0.089
%RSD		0.470	6.046	8.927
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.144	0.138	0.458
%RSD		16.160	25.660	40.750
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		88.423%	0.064	-0.077
%RSD		0.808	174.600	24.960
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.073	0.273	0.040
%RSD		156.200	1.210	90.700
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.065	0.317
%RSD		0.000	21.250	727.700
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.093	92.313%	0.123
%RSD		33.800	0.226	16.180
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.125	0.112	0.000
%RSD		17.580	15.260	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		99.987%	0.534	0.483
%RSD		0.657	9.002	5.911
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.222	99.410%	
%RSD		3.653	0.609	

lcs 240-67365/2-a, 12/10/2012 16:30:41 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.240%	M 907.400	76.720
%RSD		0.183	M 0.196	0.957
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		8451.000	9222.000	M 8856.000
%RSD		0.536	1.880	M 0.758
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 9025.000	9034.000
%RSD		0.000	T 0.553	0.192
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.332%	87.405%	87.180
%RSD		T 0.281	0.673	1.106
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 828.400	M 858.700	72.290
%RSD		M 0.539	M 0.163	7.144
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 886.300	T 9135.000	M 837.700
%RSD		T 0.329	T 0.663	M 0.536
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 867.300	M 880.700	M 934.900
%RSD		M 0.883	M 0.725	M 0.766
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.724%	M 861.100	-3.456
%RSD		1.381	M 1.027	5.025
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 898.300	M 828.000	84.780
%RSD		M 0.876	M 1.157	0.734
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	94.120	637.400
%RSD		0.000	0.437	19.170
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 921.200	92.761%	90.190
%RSD		M 0.416	0.869	0.728
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		91.100	M 883.100	0.000
%RSD		0.490	M 0.503	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		103.166%	85.220	TM 199.600
%RSD		1.092	0.961	TM 0.206
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 895.100	98.462%	
%RSD		TM 0.730	0.624	

240-18281 -i-3-a, 12/10/2012 16:37:53 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.052%	0.061	42.180
%RSD		0.887	11.720	1.949
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		31010.000	57590.000	34.210
%RSD		0.710	1.294	6.561
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3545.000	TM 132800.000
%RSD		0.000	T 0.479	TM 1.605
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 92.791%	93.459%	0.288
%RSD		T 0.599	0.491	24.790
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.097	0.224	-3.455
%RSD		192.100	16.160	10.540
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		16.450	-10.060	0.144
%RSD		0.428	9.767	10.280
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.905	0.935	2.727
%RSD		13.910	3.335	15.260
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.250%	0.510	0.190
%RSD		1.189	38.650	6.794
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.347	M 846.100	0.285
%RSD		64.670	M 0.137	47.240
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.001	-1.878
%RSD		0.000	265.200	57.960
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.044	95.744%	0.233
%RSD		53.090	1.158	10.240
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.359	34.840	0.000
%RSD		6.111	1.071	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		105.385%	0.746	0.811
%RSD		1.902	10.820	6.863
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.066	93.650%	
%RSD		9.117	0.517	

SD 240-18281 -i-3-a@5, 12/10/2012 16:45:05 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		91.461%	0.010	-1.560
%RSD		0.807	16.830	55.380
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		6618.000	12260.000	7.084
%RSD		1.074	1.077	32.790
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 728.400	28450.000
%RSD		0.000	T 0.250	0.230
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 91.509%	90.249%	0.169
%RSD		T 0.464	0.927	113.900
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.123	0.037	-3.083
%RSD		224.900	64.830	12.310
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		3.430	-3.982	0.025
%RSD		0.589	8.605	31.110
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.251	0.270	1.625
%RSD		14.700	25.510	14.750
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.184%	0.084	0.005
%RSD		0.892	164.600	868.300
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.001	170.600	-0.305
%RSD		10950.000	0.525	16.660
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.000	0.000
%RSD		0.000	496.000	0.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.005	94.834%	0.052
%RSD		186.700	0.465	22.290
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.119	7.105	0.000
%RSD		29.610	1.958	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		103.378%	0.204	0.337
%RSD		0.527	7.218	3.078
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.013	99.057%	
%RSD		16.570	0.613	

240-18281 -i-3-b ms, 12/10/2012 16:50:05 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.737%	M 963.700	140.400
%RSD		0.485	M 0.445	0.871
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 43060.000	69770.000	M 9636.000
%RSD		T 1.105	0.597	M 0.663
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 13810.000	TM 149900.000
%RSD		0.000	T 0.377	TM 0.487
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 84.508%	87.868%	103.800
%RSD		T 0.416	1.716	4.208
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 937.100	M 950.100	82.790
%RSD		M 0.682	M 0.698	1.282
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 982.400	T 10070.000	M 916.900
%RSD		T 0.077	T 0.704	M 0.882
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 927.700	M 926.500	M 962.000
%RSD		M 1.019	M 0.678	M 1.051
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		85.666%	M 985.700	-3.484
%RSD		1.835	M 0.690	5.425
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 996.500	M 1840.000	99.580
%RSD		M 0.494	M 0.517	0.219
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	98.980	583.400
%RSD		0.000	0.684	11.440
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 996.400	90.901%	99.880
%RSD		M 0.603	0.633	0.568
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		100.700	M 1026.000	0.000
%RSD		1.093	M 0.804	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.135%	101.900	TM 233.300
%RSD		0.797	1.122	TM 0.434
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 959.000	89.968%	
%RSD		TM 0.277	0.619	

240-18281 -i-3-c msd, 12/10/2012 16:57:16 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.571%	M 987.700	142.100
%RSD		0.299	M 0.248	0.897
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 44230.000	70850.000	M 9998.000
%RSD		T 0.793	0.774	M 0.390
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 14230.000	TM 153800.000
%RSD		0.000	T 0.333	TM 0.321
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.732%	90.097%	104.700
%RSD		T 1.021	1.413	1.091
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 970.800	M 985.500	84.070
%RSD		M 0.410	M 0.797	2.895
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1019.000	T 10510.000	M 961.100
%RSD		TM 0.221	T 0.170	M 0.840
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 968.400	M 968.100	M 998.500
%RSD		M 0.600	M 0.739	M 0.611
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		86.376%	M 1029.000	-3.456
%RSD		1.210	M 0.650	7.671
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 1035.000	M 1922.000	104.100
%RSD		M 0.716	M 0.455	0.972
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	102.700	701.100
%RSD		0.000	0.587	31.670
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 1028.000	92.378%	103.800
%RSD		M 0.333	0.254	0.733
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		104.100	M 1067.000	0.000
%RSD		1.688	M 0.687	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.526%	105.900	TM 244.600
%RSD		0.332	0.697	TM 0.360
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 984.900	91.064%	
%RSD		TM 0.741	0.526	

mb 240-67712/1-a, 12/10/2012 17:04:27 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.119%	0.104	-12.420
%RSD		0.455	2.260	4.296
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		66.420	99.220	-2.057
%RSD		9.226	9.402	41.190
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	30.700	326.500
%RSD		0.000	1.752	1.565
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 89.457%	88.728%	0.217
%RSD		T 0.623	1.130	92.010
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.122	0.113	-3.386
%RSD		160.500	89.210	5.865
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.463	17.480	0.113
%RSD		1.429	3.985	96.660
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.183	0.957	7.435
%RSD		37.520	3.471	7.443
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		91.065%	0.197	0.201
%RSD		1.295	56.860	17.500
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.211	0.816	0.009
%RSD		21.820	27.430	484.200
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.017	1.394
%RSD		0.000	51.630	167.500
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.126	94.430%	0.210
%RSD		107.200	0.512	7.024
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.400	1.304	0.000
%RSD		4.885	9.420	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		102.843%	0.809	0.992
%RSD		0.714	10.050	6.758
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.214	102.920%	
%RSD		60.150	0.536	

lcs 240-67712/2-a, 12/10/2012 17:11:38 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.451%	M 969.000	80.050
%RSD		0.645	M 0.208	1.804
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9128.000	10050.000	M 9600.000
%RSD		0.214	0.641	M 0.936
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 9792.000	9832.000
%RSD		0.000	T 0.130	0.355
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.877%	89.764%	92.340
%RSD		T 0.188	0.480	1.299
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 889.700	M 924.300	81.330
%RSD		M 0.582	M 0.324	4.391
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 960.500	T 9842.000	M 896.800
%RSD		T 0.219	T 0.445	M 0.855
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 931.300	M 950.700	M 999.300
%RSD		M 0.773	M 1.114	M 0.972
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.118%	M 929.900	-3.062
%RSD		2.060	M 1.139	20.310
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 968.900	M 893.300	92.080
%RSD		M 1.404	M 0.767	0.577
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	101.200	572.600
%RSD		0.000	0.464	20.860
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 997.100	94.210%	97.290
%RSD		M 0.246	0.671	0.724
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		98.900	M 952.900	0.000
%RSD		0.645	M 0.634	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.286%	93.120	TM 216.700
%RSD		1.188	0.832	TM 0.610
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 969.600	99.347%	
%RSD		TM 0.408	0.756	

240-18357 -b-7-a, 12/10/2012 17:18:50 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		88.314%	0.144	29.690
%RSD		0.624	4.089	0.338
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		23480.000	33180.000	M 1182.000
%RSD		0.797	1.715	M 0.617
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3635.000	96780.000
%RSD		0.000	T 0.288	0.129
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 91.086%	90.209%	22.040
%RSD		T 0.608	1.113	35.050
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		2.136	5.376	-3.517
%RSD		10.800	2.180	10.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		81.990	1232.000	0.643
%RSD		0.439	0.818	6.054
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.840	2.676	6.841
%RSD		4.635	1.066	4.237
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.520%	0.912	0.186
%RSD		0.376	8.724	11.330
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.428	M 476.300	0.496
%RSD		7.097	M 0.268	12.650
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.010	0.396
%RSD		0.000	15.450	506.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.046	93.927%	0.338
%RSD		44.790	0.383	9.268
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.482	41.880	0.000
%RSD		5.323	1.253	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.445%	0.888	1.046
%RSD		0.573	11.020	5.763
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		1.040	95.261%	
%RSD		0.456	0.746	

SD 240-18357 -b-7-a@5, 12/10/2012 17:26:00 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.006%	0.032	-4.884
%RSD		0.509	21.390	9.672
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		4981.000	7021.000	259.000
%RSD		0.309	0.511	6.267
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 754.900	20530.000
%RSD		0.000	T 0.965	0.369
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 89.209%	88.096%	4.080
%RSD		T 0.077	0.408	35.980
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.507	1.117	-2.967
%RSD		28.510	4.099	7.367
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		17.660	258.700	0.118
%RSD		1.124	0.713	8.246
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.377	0.593	1.559
%RSD		10.350	9.636	5.315
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.610%	0.248	-0.028
%RSD		0.718	35.870	35.010
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.067	96.990	-0.266
%RSD		120.500	0.488	5.465
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.002	0.663
%RSD		0.000	120.800	142.900
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.005	92.817%	0.133
%RSD		202.000	1.011	31.440
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.131	8.550	0.000
%RSD		22.480	2.346	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.747%	0.248	0.474
%RSD		0.590	6.853	1.578
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.222	99.653%	
%RSD		4.132	0.105	

240-18357 -b-7-b ms, 12/10/2012 17:30:58 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.038%	M 964.800	127.600
%RSD		0.451	M 0.353	2.070
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		32950.000	44550.000	M 11250.000
%RSD		0.632	1.225	M 0.638
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 13940.000	M 110300.000
%RSD		0.000	T 0.082	M 0.212
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.457%	88.512%	118.200
%RSD		T 0.535	0.873	0.821
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 938.100	M 962.300	86.950
%RSD		M 0.268	M 0.459	12.350
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1059.000	T 11550.000	M 931.300
%RSD		TM 0.267	T 0.717	M 0.495
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 941.800	M 942.000	M 976.900
%RSD		M 0.311	M 0.397	M 0.252
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.023%	M 976.100	-3.078
%RSD		0.626	M 0.218	13.610
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 980.000	M 1445.000	99.880
%RSD		M 0.391	M 0.340	0.351
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	101.000	788.500
%RSD		0.000	0.610	26.030
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 1005.000	91.832%	101.500
%RSD		M 0.622	0.488	0.620
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		101.700	M 1037.000	0.000
%RSD		0.143	M 0.467	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.638%	100.900	TM 233.400
%RSD		0.596	0.728	TM 0.454
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 970.800	92.949%	
%RSD		TM 0.192	0.883	

CCV 7 12/10/2012 17:38:09 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.308%	101.674%	86.728%
%RSD		0.547	0.368	0.470
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		T 99.299%	101.628%	103.281%
%RSD		T 0.749	1.193	0.850
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	T 103.958%	99.786%
%RSD		0.000	T 0.571	0.161
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 86.984%	89.284%	102.661%
%RSD		T 0.889	1.168	1.239
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		98.681%	99.565%	3.468
%RSD		1.033	0.668	3.647
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		T 101.239%	T 105.513%	98.365%
%RSD		T 0.274	T 1.385	1.371
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		99.349%	99.606%	102.460%
%RSD		1.926	1.777	0.715
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		87.602%	100.799%	-0.360
%RSD		1.131	2.276	0.516
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		101.658%	101.804%	105.437%
%RSD		4.722	1.228	0.776
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	103.896%	22.060
%RSD		0.000	0.223	84.320
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		106.125%	91.556%	103.882%
%RSD		0.380	1.403	0.898
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		105.781%	103.663%	0.000
%RSD		1.046	1.711	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		101.677%	106.721%	101.664%
%RSD		1.080	0.232	0.237
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		107.356%	91.508%	
%RSD		0.043	0.988	

CCB 7 12/10/2012 17:45:20 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		83.434%	0.113	13.370
%RSD		0.653	12.110	3.063
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		44.230	47.710	3.892
%RSD		3.341	13.830	58.070
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	32.710	49.010
%RSD		0.000	3.327	3.653
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬86.006%	86.230%	0.266
%RSD		┬0.204	0.743	0.742
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.185	0.070	-4.540
%RSD		87.710	14.090	6.222
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.608	29.770	0.127
%RSD		1.302	2.491	18.340
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.238	0.201	0.615
%RSD		25.050	0.308	12.610
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		88.647%	0.188	-0.065
%RSD		0.799	44.140	83.780
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.077	0.289	0.158
%RSD		160.700	0.641	55.070
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.082	-0.381
%RSD		0.000	11.730	63.260
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.133	92.740%	0.194
%RSD		16.770	0.435	10.380
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.291	0.144	0.000
%RSD		22.620	28.970	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		101.621%	0.753	0.846
%RSD		0.257	7.630	3.380
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.278	100.994%	
%RSD		9.260	0.536	

240-18357 -b-7-c msd, 12/10/2012 17:52:32 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		81.881%	M 978.000	126.600
%RSD		0.953	M 0.683	0.304
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 33500.000	44200.000	M 11520.000
%RSD		T 2.029	0.845	M 0.574
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 13940.000	M 110400.000
%RSD		0.000	T 0.781	M 0.401
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.255%	89.486%	120.500
%RSD		T 0.776	0.687	2.392
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 953.800	M 972.400	78.270
%RSD		M 0.759	M 0.568	4.970
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1067.000	T 11620.000	M 935.200
%RSD		TM 0.534	T 0.529	M 0.298
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 947.000	M 949.000	M 974.000
%RSD		M 0.529	M 0.542	M 0.260
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.200%	M 980.700	-3.135
%RSD		1.316	M 0.662	9.371
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 975.700	M 1443.000	100.200
%RSD		M 0.866	M 0.191	0.553
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	100.900	616.800
%RSD		0.000	0.786	31.190
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 1010.000	93.515%	101.700
%RSD		M 0.624	1.408	0.276
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		101.800	M 1050.000	0.000
%RSD		0.429	M 0.301	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		105.254%	101.800	TM 235.400
%RSD		0.967	1.078	TM 0.637
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 977.700	94.120%	
%RSD		TM 0.226	0.649	

240-18357-b-8-a, 12/10/2012 17:59:44 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.343%	0.174	27.500
%RSD		0.580	5.059	4.196
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		23310.000	33240.000	M 1466.000
%RSD		0.882	1.190	M 1.173
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3626.000	96590.000
%RSD		0.000	T 0.444	0.109
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 91.380%	91.620%	18.960
%RSD		T 0.447	0.842	4.950
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		2.523	2.136	-4.001
%RSD		9.182	3.736	6.135
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		83.490	1520.000	0.695
%RSD		0.107	1.010	3.178
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.237	3.367	17.160
%RSD		5.297	8.060	2.489
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.656%	0.956	0.194
%RSD		0.693	6.121	30.600
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.325	M 480.000	0.410
%RSD		35.140	M 1.041	14.500
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.018	1.669
%RSD		0.000	19.760	184.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.033	94.519%	0.415
%RSD		36.350	0.556	13.440
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.409	43.860	0.000
%RSD		14.270	1.813	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		105.677%	0.795	1.036
%RSD		0.977	9.121	3.753
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		1.204	96.176%	
%RSD		1.760	0.455	

240-18357-b-9-a, 12/10/2012 18:06:57 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.337%	0.103	26.240
%RSD		0.629	16.450	2.471
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		23430.000	33510.000	M 1471.000
%RSD		0.742	0.840	M 2.069
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3647.000	97310.000
%RSD		0.000	T 0.230	0.331
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.753%	89.226%	18.600
%RSD		T 0.445	0.679	8.074
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		2.483	2.103	-3.935
%RSD		0.500	0.491	1.560
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		83.560	1536.000	0.668
%RSD		0.867	1.245	5.575
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.146	3.313	16.050
%RSD		8.033	3.535	2.835
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.953%	0.920	0.150
%RSD		0.508	6.508	8.580
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.266	M 475.300	0.066
%RSD		11.520	M 0.344	103.300
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.019	0.531
%RSD		0.000	31.560	105.500
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.013	92.943%	0.243
%RSD		36.510	0.510	6.143
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.226	43.890	0.000
%RSD		21.800	1.042	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		103.992%	0.314	0.545
%RSD		0.381	3.069	3.462
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		1.259	94.743%	
%RSD		0.763	0.462	

240-18430 -a-1-a, 12/10/2012 18:14:11 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.080%	0.014	M 1003.000
%RSD		0.176	63.220	M 0.257
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		32110.000	14980.000	64.490
%RSD		0.660	0.624	5.768
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3537.000	72820.000
%RSD		0.000	T 0.137	0.494
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.981%	87.777%	0.131
%RSD		T 0.861	0.779	99.450
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.114	0.090	-4.375
%RSD		107.000	9.881	3.221
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3713.000	27.480	0.836
%RSD		TM 0.115	2.328	6.780
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.304	2.275	0.969
%RSD		4.092	7.287	23.730
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.770%	0.526	0.152
%RSD		1.547	2.172	7.728
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.004	M 290.500	2.689
%RSD		3217.000	M 0.868	2.292
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.002	-0.492
%RSD		0.000	64.110	27.350
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.158	91.310%	0.054
%RSD		12.510	0.963	64.990
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.109	113.000	0.000
%RSD		26.640	0.980	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		103.377%	0.166	0.408
%RSD		0.576	2.493	3.815
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.064	94.434%	
%RSD		9.763	0.873	

240-18430 -a-2-a, 12/10/2012 18:19:12 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.271%	0.113	107.300
%RSD		0.516	11.880	1.026
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		19510.000	8201.000	287.300
%RSD		0.671	1.600	1.529
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2401.000	29550.000
%RSD		0.000	T 0.267	0.635
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 87.070%	87.009%	11.220
%RSD		T 0.317	0.857	15.850
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		3.847	0.698	-3.676
%RSD		7.058	7.067	6.449
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		95.430	420.000	0.630
%RSD		0.129	1.081	8.472
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		7.114	5.392	7.301
%RSD		1.130	2.082	11.590
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.675%	2.552	0.196
%RSD		0.436	6.121	34.070
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.766	159.100	2.970
%RSD		10.930	0.651	1.728
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.019	-0.139
%RSD		0.000	8.322	796.700
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.031	91.404%	0.202
%RSD		41.410	0.432	12.430
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.486	56.270	0.000
%RSD		5.111	1.806	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.885%	0.544	0.345
%RSD		0.568	1.624	4.169
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.769	96.358%	
%RSD		3.460	0.370	

240-18430 -a-3-a, 12/10/2012 18:24:09 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.836%	0.025	77.660
%RSD		0.436	26.450	1.113
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		20460.000	7834.000	234.300
%RSD		0.202	2.181	0.881
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2232.000	27700.000
%RSD		0.000	T 0.517	0.675
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.102%	85.496%	1.522
%RSD		T 0.287	0.502	25.850
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.420	0.357	-3.827
%RSD		23.460	4.869	2.571
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		103.800	356.500	0.429
%RSD		0.728	0.621	4.085
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.886	5.151	4.959
%RSD		7.041	2.564	4.237
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.063%	0.473	0.128
%RSD		0.450	8.961	35.150
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.236	143.600	0.960
%RSD		24.480	0.286	4.374
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.002	-0.582
%RSD		0.000	66.700	135.500
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.022	89.979%	0.259
%RSD		48.050	0.394	16.170
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.143	37.930	0.000
%RSD		8.103	1.791	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.317%	0.141	0.259
%RSD		0.564	7.946	4.246
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.564	95.949%	
%RSD		2.706	0.793	

240-18430 -a-4-a, 12/10/2012 18:29:07 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.284%	0.035	77.740
%RSD		0.147	31.670	2.585
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		20070.000	7886.000	312.100
%RSD		0.708	0.441	3.152
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2249.000	27640.000
%RSD		0.000	T 0.082	0.331
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.764%	84.759%	3.204
%RSD		T 0.739	0.904	13.940
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.423	0.591	-3.651
%RSD		106.800	1.661	8.756
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 116.800	467.300	0.517
%RSD		T 0.863	0.549	13.030
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		4.287	3.490	20.830
%RSD		5.319	3.444	2.132
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		87.139%	0.679	0.174
%RSD		0.789	10.240	9.722
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.324	144.400	1.015
%RSD		31.730	0.337	4.374
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.004	0.853
%RSD		0.000	80.860	194.300
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.038	90.224%	0.540
%RSD		26.090	0.469	4.155
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.129	38.710	0.000
%RSD		14.920	1.533	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.275%	0.140	0.233
%RSD		0.527	5.294	1.528
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		1.274	95.877%	
%RSD		1.656	0.774	

240-18430 -a-5-a, 12/10/2012 18:34:04 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		66.597%	0.025	89.330
%RSD		0.481	74.760	1.317
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 1086000.000	7229.000	141.200
%RSD		TM 0.483	0.865	2.011
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2685.000	35640.000
%RSD		0.000	T 0.778	0.381
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 71.922%	73.683%	1.044
%RSD		T 0.218	1.529	21.490
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.341	0.850	-4.446
%RSD		51.360	5.435	5.638
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 162.200	316.000	0.328
%RSD		T 0.676	1.765	10.860
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		10.070	6.711	6.079
%RSD		3.087	4.301	4.966
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		68.256%	0.861	0.110
%RSD		2.575	6.870	17.930
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.100	176.400	1.292
%RSD		139.200	0.928	6.504
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.026	0.017
%RSD		0.000	9.620	17410.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.050	74.379%	0.275
%RSD		50.200	1.176	12.130
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.173	43.620	0.000
%RSD		15.710	1.025	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		87.538%	0.138	0.226
%RSD		0.877	7.734	3.419
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.484	67.018%	
%RSD		2.511	0.595	

240-18430 -a-6-a, 12/10/2012 18:39:01 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.477%	0.008	71.650
%RSD		0.732	69.330	1.174
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 145900.000	11180.000	42.700
%RSD		TM 0.427	1.217	12.340
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3289.000	74930.000
%RSD		0.000	T 0.500	0.164
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 83.411%	82.744%	1.813
%RSD		T 0.153	1.059	87.160
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.925	2.436	-3.570
%RSD		31.320	1.645	15.980
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 738.500	40.810	0.162
%RSD		T 0.222	1.826	12.830
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.935	1.588	19.420
%RSD		4.671	8.060	1.655
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		81.572%	1.170	0.193
%RSD		0.778	10.410	1.401
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.019	M 283.800	2.034
%RSD		488.600	M 0.708	5.604
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.073	-0.641
%RSD		0.000	17.080	634.300
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.108	85.450%	0.113
%RSD		24.930	0.702	28.350
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.183	82.610	0.000
%RSD		7.552	0.611	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.144%	0.124	0.202
%RSD		0.875	1.888	1.925
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.121	85.705%	
%RSD		8.635	0.874	

240-18430 -a-7-a, 12/10/2012 18:44:00 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.981%	0.006	63.630
%RSD		0.507	28.870	2.126
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 36570.000	10600.000	36.920
%RSD		T 0.851	1.111	6.957
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2439.000	43210.000
%RSD		0.000	T 0.818	0.620
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.231%	85.581%	0.269
%RSD		T 0.791	0.623	86.600
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.091	0.070	-3.416
%RSD		245.500	15.150	5.824
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2878.000	36.590	0.602
%RSD		TM 0.556	1.224	8.697
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.262	0.531	0.990
%RSD		2.735	2.027	7.726
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		86.912%	0.347	0.146
%RSD		0.368	29.950	34.080
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.020	M 215.700	1.992
%RSD		521.200	M 0.889	3.277
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	0.080
%RSD		0.000	244.600	998.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.038	88.403%	0.102
%RSD		35.240	0.736	13.870
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.079	100.300	0.000
%RSD		19.520	1.082	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.021%	0.050	0.183
%RSD		0.613	6.388	4.453
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.023	92.009%	
%RSD		14.630	0.482	

CCV 8 12/10/2012 18:48:57 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		83.381%	101.621%	85.576%
%RSD		0.287	0.257	1.437
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 98.117%	103.445%	102.558%
%RSD		T 0.540	0.831	1.063
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 105.560%	99.041%
%RSD		0.000	T 0.162	0.408
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.543%	87.015%	102.176%
%RSD		T 0.855	0.975	2.150
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		98.101%	98.723%	4.518
%RSD		0.964	0.085	7.303
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 100.152%	T 106.775%	97.222%
%RSD		T 0.154	T 0.632	1.212
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		97.956%	98.526%	100.842%
%RSD		0.669	0.241	1.411
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		86.476%	100.752%	-0.421
%RSD		0.243	0.532	33.170
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		102.291%	101.834%	105.461%
%RSD		3.718	0.757	1.210
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	105.497%	30.870
%RSD		0.000	0.548	110.900
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		107.105%	88.173%	106.943%
%RSD		0.489	0.340	0.921
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		108.707%	105.058%	0.000
%RSD		0.816	0.620	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.976%	106.763%	99.421%
%RSD		0.958	0.596	0.529
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		107.511%	88.898%	
%RSD		0.381	0.429	

CCB 8 12/10/2012 18:56:08 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.408%	0.120	14.890
%RSD		0.232	3.320	2.782
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		45.120	45.340	4.661
%RSD		0.520	15.340	21.140
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	38.350	58.320
%RSD		0.000	0.115	1.427
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 85.804%	85.574%	0.178
%RSD		T 0.554	1.306	42.420
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.049	0.087	-3.893
%RSD		181.100	20.960	4.057
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.675	28.270	0.106
%RSD		3.212	10.070	6.696
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.172	0.149	0.815
%RSD		5.727	21.470	12.680
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		88.233%	0.143	-0.042
%RSD		0.472	80.000	147.200
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.007	0.293	0.004
%RSD		240.100	20.020	678.100
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.068	-1.792
%RSD		0.000	6.766	143.200
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.106	91.781%	0.140
%RSD		7.464	0.993	22.450
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.154	0.169	0.000
%RSD		11.030	24.430	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		102.325%	0.564	0.526
%RSD		0.633	10.530	5.870
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.245	99.727%	
%RSD		4.092	0.208	

240-18430 -a-8-a, 12/10/2012 19:01:08 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.302%	0.053	70.800
%RSD		0.542	27.120	1.002
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		17280.000	8081.000	583.300
%RSD		0.469	2.244	0.949
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2264.000	28490.000
%RSD		0.000	T 0.253	0.323
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 87.476%	88.299%	7.285
%RSD		T 0.479	0.401	8.363
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		1.056	0.878	-3.089
%RSD		27.340	4.898	12.350
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		91.040	916.500	0.611
%RSD		0.418	0.849	3.012
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.740	2.466	5.301
%RSD		8.873	2.967	1.079
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.169%	0.692	0.158
%RSD		0.565	14.730	18.050
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.263	144.300	1.429
%RSD		46.230	0.622	0.981
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.005	-0.574
%RSD		0.000	17.580	136.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.049	91.175%	0.354
%RSD		23.800	0.586	6.062
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.158	39.430	0.000
%RSD		11.640	0.128	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		103.802%	0.247	0.333
%RSD		0.507	6.277	6.300
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		1.007	96.147%	
%RSD		1.826	0.891	

240-18430 -a-9-a, 12/10/2012 19:06:06 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		67.359%	0.016	95.410
%RSD		0.354	27.210	2.565
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 1290000.000	7516.000	66.890
%RSD		TM 0.900	1.664	8.709
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2900.000	29740.000
%RSD		0.000	T 0.332	0.376
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 74.652%	79.028%	2.001
%RSD		T 0.306	1.837	17.100
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		1.139	1.015	-4.083
%RSD		9.498	7.476	7.008
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 153.000	4324.000	0.517
%RSD		T 0.177	0.473	2.883
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		5.533	M 248.900	13.270
%RSD		3.718	M 0.140	1.098
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		74.199%	16.870	0.169
%RSD		2.037	0.750	21.290
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.870	M 255.800	12.070
%RSD		12.130	M 0.399	1.502
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.004	2.219
%RSD		0.000	72.640	136.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.068	75.949%	0.480
%RSD		67.400	1.994	8.553
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		4.881	31.730	0.000
%RSD		4.455	0.939	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		87.956%	0.511	0.326
%RSD		0.889	2.489	2.370
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.444	65.946%	
%RSD		0.332	1.115	

240-18430 -a-10-a, 12/10/2012 19:11:09 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		24.453%	0.029	M 241.400
%RSD		1.421	54.340	M 2.105
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 15720000.000	1555.000	155.800
%RSD		TM 0.884	5.751	1.965
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7070.000	9003.000
%RSD		0.000	T 0.589	0.674
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		40.240%	47.527%	0.245
%RSD		0.431	2.036	100.300
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.450	0.749	-2.709
%RSD		50.880	11.460	12.640
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		134.300	7803.000	1.272
%RSD		0.139	0.455	5.097
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		64.740	0.297	51.670
%RSD		1.909	40.790	2.946
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		36.740%	0.108	0.222
%RSD		2.689	174.100	25.670
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.355	128.400	-0.322
%RSD		42.180	0.780	7.524
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.006	0.000
%RSD		0.000	91.580	0.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.018	36.293%	0.104
%RSD		226.900	2.225	18.320
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.123	46.900	0.000
%RSD		13.670	0.524	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		36.291%	0.080	0.201
%RSD		1.214	1.156	4.119
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		2.291	21.568%	
%RSD		0.211	0.851	

240-18447 -a-1-a, 12/10/2012 19:16:08 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		91.666%	0.014	M 1263.000
%RSD		0.382	83.170	M 0.190
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 255100.000	5611.000	86.400
%RSD		TM 1.776	1.788	6.305
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 21140.000	8148.000
%RSD		0.000	T 0.136	0.138
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 91.425%	95.216%	3.108
%RSD		T 0.796	0.945	15.440
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		1.065	0.379	2.769
%RSD		10.140	5.151	11.460
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		34.320	111.200	0.315
%RSD		0.582	2.719	8.431
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 210.400	2.719	42.650
%RSD		M 1.428	3.946	1.000
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		92.365%	1.088	-0.413
%RSD		0.761	4.498	4.696
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.224	32.870	M 922.500
%RSD		35.560	1.810	M 1.650
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.007	52.560
%RSD		0.000	43.690	17.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.289	93.640%	10.510
%RSD		6.719	0.380	1.385
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.252	2.860	0.000
%RSD		6.235	4.363	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		106.891%	0.484	0.149
%RSD		0.743	3.804	8.013
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.291	88.557%	
%RSD		1.972	0.401	

240-18448 -a-1-a, 12/10/2012 19:21:08 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		98.198%	0.005	M 783.000
%RSD		0.927	103.300	M 0.735
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 125300.000	13530.000	353.900
%RSD		TM 0.512	1.277	1.867
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 17760.000	68280.000
%RSD		0.000	T 0.207	0.561
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 98.272%	103.379%	19.210
%RSD		T 1.126	0.924	9.267
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		1.552	10.660	2.044
%RSD		19.720	0.165	31.400
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1844.000	3279.000	1.439
%RSD		TM 0.384	0.482	3.686
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 480.400	60.580	M 4072.000
%RSD		M 0.359	0.957	M 0.447
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		99.034%	1.007	-0.808
%RSD		1.277	7.790	2.432
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.187	M 302.200	M 1438.000
%RSD		108.400	M 0.143	M 1.141
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.038	72.880
%RSD		0.000	16.750	6.097
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.183	99.790%	8.781
%RSD		25.990	1.044	1.388
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.589	72.280	0.000
%RSD		3.335	0.263	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		111.921%	0.531	0.150
%RSD		0.646	1.557	1.511
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		17.230	109.045%	
%RSD		0.944	0.792	

240-18456 -a-1-a, 12/10/2012 19:26:10 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		99.664%	0.001	1.728
%RSD		0.224	307.900	50.270
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		635.200	71.180	40.910
%RSD		1.779	13.680	6.129
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	128.700	357.800
%RSD		0.000	0.891	2.715
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 100.356%	102.101%	0.562
%RSD		T 0.337	0.256	39.900
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.286	0.204	-0.372
%RSD		33.050	25.540	8.809
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		2.755	42.700	0.009
%RSD		0.668	2.135	24.700
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.399	1.282	9.366
%RSD		20.440	8.880	0.911
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		104.130%	0.090	0.121
%RSD		0.532	101.200	21.630
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.101	0.708	28.730
%RSD		70.750	6.554	21.340
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.014	3.591
%RSD		0.000	19.540	33.040
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.021	102.552%	0.205
%RSD		61.660	0.229	11.590
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.161	1.481	0.000
%RSD		17.080	6.172	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		112.941%	0.058	0.110
%RSD		0.497	4.950	1.423
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.535	107.015%	
%RSD		4.073	0.353	

mb 240-67196/1-a, 12/10/2012 19:31:11 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		96.744%	-0.000	-10.890
%RSD		0.388	1118.000	6.240
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		290.300	52.360	-3.262
%RSD		2.336	3.814	9.796
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	47.680	202.800
%RSD		0.000	1.036	2.200
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T97.986%	100.475%	0.115
%RSD		T0.564	1.133	100.700
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.014	0.072	-1.104
%RSD		2134.000	39.080	52.060
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.371	8.600	-0.001
%RSD		2.895	2.582	113.400
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.172	0.808	10.350
%RSD		17.700	5.371	2.557
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		102.048%	-0.053	0.149
%RSD		0.680	156.200	11.050
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.076	0.313	5.123
%RSD		53.650	6.774	14.700
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.000	-0.194
%RSD		0.000	572.100	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.002	101.792%	5.346
%RSD		243.800	0.517	1.876
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.020	0.791	0.000
%RSD		42.200	21.000	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		111.072%	0.035	0.093
%RSD		0.462	5.693	7.531
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.268	106.972%	
%RSD		3.904	0.816	

lcs 240-67196/2-a, 12/10/2012 19:36:08 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		95.509%	M 890.100	70.890
%RSD		0.658	M 0.490	1.966
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		8980.000	9846.000	M 9048.000
%RSD		0.397	0.655	M 0.729
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 9765.000	9137.000
%RSD		0.000	T 0.469	0.717
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 95.614%	99.959%	89.160
%RSD		T 0.461	1.047	7.288
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 839.800	M 874.200	80.080
%RSD		M 0.483	M 0.383	2.706
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 894.900	T 9581.000	M 854.600
%RSD		T 0.465	T 0.326	M 0.179
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 879.600	M 898.800	M 942.700
%RSD		M 0.389	M 0.415	M 0.487
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		100.152%	M 881.500	-2.840
%RSD		0.664	M 0.486	7.678
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 899.400	M 840.500	88.910
%RSD		M 0.543	M 0.405	0.597
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	96.610	642.900
%RSD		0.000	0.203	19.020
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 957.600	100.855%	92.740
%RSD		M 0.546	0.661	0.586
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		93.630	M 907.600	0.000
%RSD		0.541	M 1.010	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		112.030%	88.070	TM 204.600
%RSD		0.626	1.344	TM 0.575
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 919.200	103.579%	
%RSD		TM 0.175	0.174	

240-18084 -s-5-a, 12/10/2012 19:43:20 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		91.594%	0.047	M 568.000
%RSD		0.198	6.878	M 0.312
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 188600.000	71960.000	2.153
%RSD		TM 0.648	0.775	4.189
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 81070.000	37350.000
%RSD		0.000	T 0.249	0.196
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 93.436%	99.105%	0.854
%RSD		T 0.965	0.443	21.030
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.467	0.984	0.867
%RSD		11.930	3.041	29.890
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		5.657	2731.000	3.138
%RSD		0.814	0.476	0.823
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		10.180	0.539	2.546
%RSD		5.506	14.360	7.299
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		94.349%	0.753	-0.300
%RSD		1.117	8.196	1.817
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.362	M 402.200	26.610
%RSD		54.120	M 0.244	0.927
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.005	1.467
%RSD		0.000	86.480	29.540
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.020	93.635%	1.163
%RSD		104.600	1.673	5.089
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.369	79.020	0.000
%RSD		6.476	1.500	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.026%	2.234	0.815
%RSD		1.064	3.682	7.114
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.021	89.286%	
%RSD		46.350	1.103	

SD 240-18084 -s-5-a@5, 12/10/2012 19:50:33 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		102.325%	0.018	110.400
%RSD		0.453	26.170	1.660
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 39950.000	15260.000	1.015
%RSD		T 0.161	1.041	49.820
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 17230.000	7935.000
%RSD		0.000	T 0.424	0.484
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 100.356%	105.737%	0.145
%RSD		T 0.493	0.562	114.200
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.060	0.256	2.138
%RSD		200.900	3.975	14.710
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		1.265	570.300	0.650
%RSD		1.092	0.918	3.333
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.143	0.176	1.414
%RSD		2.230	8.200	12.630
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		104.274%	0.132	-0.102
%RSD		0.490	51.790	67.930
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.110	80.520	5.287
%RSD		135.700	0.547	3.122
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.000	-0.195
%RSD		0.000	1414.000	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.005	101.583%	0.282
%RSD		129.300	0.646	13.220
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.112	16.040	0.000
%RSD		33.840	2.131	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		114.101%	0.499	0.320
%RSD		0.443	4.499	3.585
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		-0.005	102.335%	
%RSD		27.960	0.548	

CCV 9 12/10/2012 19:55:36 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		96.190%	98.583%	82.742%
%RSD		0.265	0.516	0.508
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬ 101.853%	107.359%	102.687%
%RSD		┬0.561	0.654	2.757
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	┬ 110.833%	99.323%
%RSD		0.000	┬0.480	0.070
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬95.333%	101.297%	102.771%
%RSD		┬0.570	0.833	6.951
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		97.933%	98.847%	6.276
%RSD		0.419	0.550	9.345
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬ 100.337%	┬ 108.999%	97.694%
%RSD		┬0.178	┬0.449	0.872
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		99.902%	100.015%	102.999%
%RSD		0.657	0.460	1.011
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		98.831%	101.373%	-0.297
%RSD		0.969	0.678	45.810
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		99.603%	101.765%	108.543%
%RSD		2.773	0.901	0.626
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	107.512%	52.950
%RSD		0.000	0.468	57.030
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		109.453%	97.169%	107.321%
%RSD		0.303	0.695	0.500
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		109.095%	103.632%	0.000
%RSD		0.379	1.280	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		110.957%	108.089%	99.788%
%RSD		1.100	0.447	0.425
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		107.196%	96.099%	
%RSD		0.127	0.492	

CCB 9 12/10/2012 20:02:48 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		94.652%	0.121	15.630
%RSD		0.396	12.170	1.961
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		125.000	55.490	3.063
%RSD		3.667	9.805	27.690
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	52.960	58.880
%RSD		0.000	0.181	8.992
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T94.344%	100.686%	0.228
%RSD		T0.309	1.150	1.083
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		-0.044	0.137	-2.216
%RSD		385.200	1.078	13.460
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.747	30.510	0.124
%RSD		2.106	3.822	10.280
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.186	0.125	0.658
%RSD		21.560	39.900	11.920
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		101.529%	0.060	0.003
%RSD		0.408	116.000	547.500
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.135	0.283	0.419
%RSD		90.390	13.170	13.800
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.073	-0.021
%RSD		0.000	2.031	9841.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.120	100.341%	0.148
%RSD		11.090	0.607	4.667
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.166	0.131	0.000
%RSD		21.640	20.180	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		111.501%	0.614	0.600
%RSD		0.864	9.445	4.472
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.255	107.676%	
%RSD		2.371	0.159	

ICSA 12/10/2012 20:10:01 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.829%	0.011	16.690
%RSD		0.480	35.100	1.262
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 50800.000	53880.000	M 49590.000
%RSD		T 0.180	0.343	M 0.218
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 55300.000	49940.000
%RSD		0.000	T 0.367	0.551
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.826%	99.374%	M 1003.000
%RSD		T 0.607	1.032	M 1.969
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.064	0.580	-1.335
%RSD		177.700	10.250	12.980
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.123	TM 54260.000	0.044
%RSD		9.652	TM 0.992	20.810
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.347	0.203	1.079
%RSD		4.637	13.160	6.978
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		97.005%	0.151	-0.148
%RSD		0.832	57.180	14.500
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.018	0.123	M 1015.000
%RSD		553.200	19.430	M 1.246
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.038	72.380
%RSD		0.000	10.840	26.910
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.024	96.518%	0.109
%RSD		292.400	1.151	12.730
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.158	0.065	0.000
%RSD		4.908	38.130	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		108.324%	0.254	0.303
%RSD		1.313	4.816	5.216
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.165	95.949%	
%RSD		5.844	1.370	

ICSAB 12/10/2012 20:14:59 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.652%	98.584%	77.095%
%RSD		0.238	0.326	1.411
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 101.963%	108.592%	M 99.179%
%RSD		T 0.424	0.471	M 0.327
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 112.888%	100.769%
%RSD		0.000	T 0.403	0.165
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 89.212%	100.371%	M 101.500%
%RSD		T 0.525	1.354	M 0.862
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		98.223%	99.580%	6.837
%RSD		0.684	0.262	21.650
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 102.147%	TM 109.979%	96.376%
%RSD		T 0.274	TM 0.582	1.046
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		98.473%	98.867%	104.545%
%RSD		0.399	0.958	0.043
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		98.656%	99.106%	-0.123
%RSD		1.861	1.034	139.000
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		99.114%	98.636%	M 1142.000
%RSD		3.658	1.174	M 0.454
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	106.725%	140.700
%RSD		0.000	0.187	40.630
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		107.890%	98.049%	107.838%
%RSD		0.698	0.826	1.088
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		107.828%	104.805%	0.000
%RSD		0.391	0.969	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		111.393%	106.942%	100.836%
%RSD		1.368	0.611	0.377
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		108.587%	97.667%	
%RSD		0.167	1.197	

CCV 12/10/2012 20:22:12 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		94.917%	97.744%	79.241%
%RSD		0.401	0.836	0.384
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬ 101.872%	107.279%	103.307%
%RSD		┬ 0.228	0.837	3.620
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	┬ 111.591%	99.990%
%RSD		0.000	┬ 0.393	0.285
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬ 95.307%	104.758%	102.300%
%RSD		┬ 0.519	0.814	2.008
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		98.361%	99.315%	5.441
%RSD		0.885	0.864	7.722
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬ 100.648%	┬ 109.906%	97.874%
%RSD		┬ 0.087	┬ 0.561	0.667
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		99.326%	100.778%	103.280%
%RSD		0.791	1.501	1.189
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		101.921%	101.298%	-0.447
%RSD		1.399	1.902	40.930
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		102.007%	100.829%	119.697%
%RSD		2.564	1.016	1.413
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	107.260%	28.720
%RSD		0.000	0.125	153.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		107.620%	101.101%	106.458%
%RSD		0.685	0.473	0.560
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		107.415%	104.711%	0.000
%RSD		1.023	2.152	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		114.785%	109.723%	100.032%
%RSD		0.974	0.813	0.521
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		107.008%	99.709%	
%RSD		0.209	0.956	

CCB 12/10/2012 20:29:24 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		94.559%	0.130	17.480
%RSD		0.523	10.890	3.274
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		99.850	63.780	4.703
%RSD		1.960	3.247	17.830
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	58.960	65.190
%RSD		0.000	2.339	7.285
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T94.717%	103.315%	0.295
%RSD		T0.067	0.944	56.650
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.080	0.117	-2.886
%RSD		182.700	10.660	4.428
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		0.794	34.350	0.128
%RSD		2.399	5.756	15.740
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.192	0.123	0.543
%RSD		23.260	13.000	37.980
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		104.142%	-0.005	0.009
%RSD		1.501	2296.000	295.600
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.141	0.285	2.462
%RSD		59.980	14.980	10.180
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.087	-0.605
%RSD		0.000	8.536	234.000
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.120	102.591%	0.209
%RSD		37.150	0.065	14.240
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.220	0.152	0.000
%RSD		9.081	45.320	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		115.154%	0.826	0.686
%RSD		0.575	11.330	4.539
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.265	109.858%	
%RSD		2.470	0.639	

240-18084 -s-5-b ms, 12/10/2012 20:36:36 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.427%	M 907.200	M 617.000
%RSD		0.239	M 0.212	M 0.115
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 184000.000	76000.000	M 9246.000
%RSD		TM 0.763	0.248	M 0.556
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 87640.000	44560.000
%RSD		0.000	T 0.426	0.977
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 92.730%	104.338%	92.570
%RSD		T 1.050	1.154	1.538
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 899.800	M 915.700	78.760
%RSD		M 0.260	M 0.139	4.236
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 925.600	T 12420.000	M 890.000
%RSD		T 0.369	T 0.275	M 0.376
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 898.100	M 903.000	M 922.900
%RSD		M 0.120	M 0.507	M 0.119
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		98.606%	M 936.400	-3.418
%RSD		1.274	M 0.415	10.470
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 912.600	M 1288.000	124.500
%RSD		M 0.911	M 0.297	1.379
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	98.800	571.000
%RSD		0.000	0.531	16.940
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 989.900	98.023%	100.200
%RSD		M 0.581	0.882	0.318
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		101.000	M 1039.000	0.000
%RSD		0.183	M 0.600	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		112.235%	104.200	TM 234.000
%RSD		0.830	0.418	TM 0.181
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 938.500	93.702%	
%RSD		TM 0.410	1.235	

240-18084 -s-5-c msd, 12/10/2012 20:43:49 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		92.653%	M 916.300	M 651.800
%RSD		0.965	M 0.701	M 0.383
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		TM 195900.000	80880.000	M 9318.000
%RSD		TM 0.362	0.505	M 0.252
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 92850.000	46800.000
%RSD		0.000	T 0.963	0.496
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 94.630%	105.563%	97.160
%RSD		T 0.412	1.069	3.853
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 919.000	M 938.000	84.950
%RSD		M 0.557	M 0.699	2.377
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 938.700	T 12750.000	M 909.600
%RSD		T 0.861	T 0.135	M 0.752
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 919.000	M 920.400	M 942.900
%RSD		M 0.820	M 0.725	M 0.922
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		99.281%	M 952.200	-3.690
%RSD		1.898	M 0.924	10.400
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 934.500	M 1331.000	127.500
%RSD		M 1.338	M 0.621	0.836
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	99.190	742.100
%RSD		0.000	0.647	12.240
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 997.800	99.388%	100.700
%RSD		M 0.921	1.173	0.583
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		101.700	M 1062.000	0.000
%RSD		0.393	M 0.754	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		113.156%	106.200	TM 238.300
%RSD		1.323	0.944	TM 0.387
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 946.800	94.118%	
%RSD		TM 0.357	0.529	

240-18209 -a-1-a, 12/10/2012 20:51:02 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.662%	0.070	8.392
%RSD		0.855	4.710	1.698
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		22370.000	58760.000	12.960
%RSD		0.581	0.559	16.590
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7227.000	TM 747300.000
%RSD		0.000	T 0.756	TM 0.282
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 91.115%	106.230%	0.656
%RSD		T 0.909	1.880	50.030
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.327	0.075	-3.774
%RSD		28.690	16.740	4.818
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 821.500	105.100	2.132
%RSD		T 0.368	3.697	2.192
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		11.960	1.079	22.400
%RSD		2.498	3.638	1.514
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		96.012%	1.028	0.221
%RSD		1.759	13.080	25.510
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.196	M 936.100	0.900
%RSD		13.260	M 0.183	8.911
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.007	0.278
%RSD		0.000	65.010	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.070	100.040%	0.396
%RSD		10.910	1.528	7.928
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.409	M 235.900	0.000
%RSD		6.513	M 0.964	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		112.739%	1.794	1.265
%RSD		1.178	6.006	6.525
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.074	90.151%	
%RSD		0.374	1.930	

240-18209 -a-2-a, 12/10/2012 20:58:15 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.035%	0.074	7.349
%RSD		0.907	9.808	9.699
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		16090.000	65380.000	774.800
%RSD		1.044	0.769	1.981
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 4990.000	TM 989900.000
%RSD		0.000	T 0.607	TM 0.221
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.461%	104.877%	8.473
%RSD		T 1.125	2.080	16.200
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		1.328	2.638	-3.752
%RSD		20.430	3.691	5.950
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1967.000	2082.000	14.130
%RSD		TM 0.381	0.546	1.995
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		80.990	36.840	47.940
%RSD		1.711	0.989	2.063
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		95.354%	1.010	0.220
%RSD		2.104	13.380	31.290
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.255	M 769.200	1.136
%RSD		45.630	M 0.193	7.746
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	1.224	-0.180
%RSD		0.000	0.853	306.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.063	99.841%	0.945
%RSD		31.640	1.816	3.729
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.280	101.600	0.000
%RSD		6.222	0.135	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		111.293%	8.440	1.098
%RSD		1.830	1.506	0.734
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		1.283	86.432%	
%RSD		1.130	1.583	

240-18209 -a-3-a, 12/10/2012 21:05:29 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		45.156%	0.023	-0.781
%RSD		0.629	14.740	75.220
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		14260.000	M 349900.000	15.680
%RSD		0.924	M 0.184	11.290
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 13350.000	TM 4680000.000
%RSD		0.000	T 0.056	TM 0.239
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 63.525%	92.600%	0.677
%RSD		T 1.134	1.788	30.340
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.175	-0.018	-1.932
%RSD		138.900	133.100	11.690
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 11850.000	-1421.000	66.760
%RSD		TM 0.152	1.700	0.856
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 402.800	60.560	53.700
%RSD		M 0.534	0.049	2.840
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		73.232%	3.784	0.435
%RSD		1.994	3.609	12.830
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.197	TM 3361.000	-0.095
%RSD		129.700	TM 0.338	88.230
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	7.128	0.503
%RSD		0.000	1.195	1077.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.394	76.352%	0.123
%RSD		20.210	1.544	8.240
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.168	M 640.100	0.000
%RSD		24.070	M 0.685	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		77.985%	0.275	1.736
%RSD		1.983	9.181	1.203
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.169	50.674%	
%RSD		1.366	2.483	

240-18209 -a-4-a, 12/10/2012 21:10:33 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.691%	0.041	-0.497
%RSD		0.341	11.280	158.300
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		26010.000	M 107300.000	453.600
%RSD		0.408	M 0.475	2.552
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7333.000	TM 808900.000
%RSD		0.000	T 0.261	TM 0.074
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.664%	99.513%	5.457
%RSD		T 0.846	1.312	23.950
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		1.018	0.811	-3.508
%RSD		24.550	7.277	13.740
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 587.800	T 14410.000	1.407
%RSD		T 0.206	T 0.292	6.414
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		7.000	1.401	M 230.400
%RSD		3.136	3.900	M 0.322
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.821%	1.482	0.225
%RSD		0.905	7.837	25.200
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.198	M 612.500	0.396
%RSD		104.700	M 0.693	7.227
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.022	0.392
%RSD		0.000	9.693	671.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.067	97.657%	0.301
%RSD		26.660	0.690	6.130
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.132	M 353.000	0.000
%RSD		19.830	M 1.035	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		109.529%	0.403	0.351
%RSD		1.378	3.152	1.326
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.534	87.483%	
%RSD		1.179	1.443	

CCV 10 12/10/2012 21:15:31 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		93.333%	101.698%	82.400%
%RSD		0.132	0.791	0.366
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 101.775%	107.148%	103.918%
%RSD		┬ 1.240	0.339	1.964
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	┬ 109.001%	97.698%
%RSD		0.000	┬ 0.443	0.504
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		┬ 95.598%	102.370%	101.988%
%RSD		┬ 0.984	1.258	2.672
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		96.832%	98.486%	6.025
%RSD		0.901	1.051	10.930
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 100.415%	┬ 110.331%	95.751%
%RSD		┬ 0.327	┬ 0.832	0.322
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		96.397%	96.741%	101.384%
%RSD		0.521	0.735	0.589
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		100.241%	100.171%	-0.430
%RSD		0.144	0.850	82.320
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		101.754%	101.743%	104.974%
%RSD		0.533	0.150	1.735
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	104.257%	68.780
%RSD		0.000	0.404	45.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		107.917%	100.404%	106.232%
%RSD		0.679	0.904	0.367
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		108.594%	105.845%	0.000
%RSD		0.212	0.832	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		112.755%	106.405%	99.338%
%RSD		0.507	0.533	0.187
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		107.618%	98.973%	
%RSD		0.611	0.746	

CCB 10 12/10/2012 21:22:43 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.132%	0.139	16.430
%RSD		0.213	4.559	2.694
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		76.950	64.040	5.502
%RSD		5.888	18.360	45.260
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	56.400	108.800
%RSD		0.000	1.211	3.321
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T92.425%	96.424%	0.277
%RSD		T0.377	0.444	137.500
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.211	0.150	-3.726
%RSD		137.500	7.656	11.490
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.926	36.630	0.138
%RSD		1.808	3.554	4.723
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.233	0.164	0.476
%RSD		3.555	38.170	16.570
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		98.013%	0.209	-0.025
%RSD		0.711	42.690	178.400
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.128	0.375	0.238
%RSD		24.340	13.570	21.900
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.097	-0.675
%RSD		0.000	4.736	278.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.155	99.704%	0.160
%RSD		11.440	0.112	3.696
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.209	0.194	0.000
%RSD		4.831	15.600	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		109.823%	0.649	0.657
%RSD		0.551	9.335	5.019
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.279	107.564%	
%RSD		3.577	0.642	

240-18209 -a-5-a, 12/10/2012 21:29:56 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.465%	0.016	55.790
%RSD		0.052	8.430	0.981
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		15960.000	41590.000	9.182
%RSD		0.744	0.819	14.850
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7241.000	TM 149200.000
%RSD		0.000	T 0.298	TM 0.467
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 90.674%	94.796%	0.408
%RSD		T 0.326	1.208	97.530
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.445	0.479	-3.551
%RSD		13.770	10.090	5.051
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		3.559	1.385	0.093
%RSD		0.726	132.800	17.040
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.746	0.922	54.080
%RSD		9.812	8.701	1.211
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		93.615%	0.326	0.161
%RSD		1.191	9.860	42.660
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.500	M 387.300	1.694
%RSD		60.400	M 0.775	0.642
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.005	0.366
%RSD		0.000	70.540	232.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.002	95.411%	0.291
%RSD		353.300	0.766	12.160
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.472	72.710	0.000
%RSD		11.490	1.101	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		108.423%	1.356	0.362
%RSD		1.182	0.466	1.626
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.036	96.637%	
%RSD		7.312	1.108	

240-18209 -a-6-a, 12/10/2012 21:35:02 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.648%	0.013	-6.280
%RSD		0.627	57.810	8.481
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		11910.000	26060.000	66.740
%RSD		0.402	0.536	3.379
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 34640.000	85880.000
%RSD		0.000	T 0.082	0.156
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 89.538%	93.078%	2.018
%RSD		T 0.368	0.727	13.270
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.024	2.093	-2.354
%RSD		1400.000	3.762	18.640
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		30.180	1028.000	0.632
%RSD		0.554	0.770	3.995
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.639	1.444	94.920
%RSD		2.840	7.814	0.347
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		93.227%	0.706	0.187
%RSD		0.649	15.740	20.660
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.169	108.800	0.958
%RSD		41.950	1.418	10.970
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.002	-0.975
%RSD		0.000	127.100	194.300
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.011	94.171%	1.216
%RSD		91.410	0.344	5.727
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.170	39.720	0.000
%RSD		13.500	0.784	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		108.539%	0.322	0.242
%RSD		0.548	4.669	3.027
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.276	97.619%	
%RSD		3.083	0.681	

240-18209 -a-7-a, 12/10/2012 21:40:04 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		82.718%	0.013	-1.515
%RSD		0.067	35.870	5.387
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 68280.000	5921.000	58.060
%RSD		T 0.629	1.159	4.157
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	TM 124000.000	4536.000
%RSD		0.000	TM 0.038	1.142
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.625%	88.901%	0.518
%RSD		T 0.851	1.105	25.940
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		2.398	5.922	-2.581
%RSD		4.826	1.363	19.310
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		1.276	39.200	0.251
%RSD		3.135	2.387	5.264
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.011	1.332	15.680
%RSD		6.711	6.147	2.969
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.987%	1.443	0.133
%RSD		1.162	4.787	43.290
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.710	114.800	7.054
%RSD		15.880	0.527	3.887
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.001	-0.141
%RSD		0.000	138.700	336.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.002	88.903%	1.409
%RSD		449.500	0.214	3.562
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.851	20.990	0.000
%RSD		9.483	0.274	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.403%	2.220	0.219
%RSD		1.150	2.872	3.329
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.031	92.879%	
%RSD		7.175	0.886	

240-18209 -a-8-a, 12/10/2012 21:45:03 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.047%	0.010	44.830
%RSD		0.131	25.010	0.281
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 67270.000	15940.000	32.790
%RSD		T 0.103	0.192	2.013
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5941.000	M 99940.000
%RSD		0.000	T 0.077	M 0.085
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 87.659%	91.925%	0.961
%RSD		T 0.557	0.658	53.310
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.286	0.122	-2.957
%RSD		49.810	9.287	13.560
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 544.900	1270.000	1.330
%RSD		T 0.165	0.296	2.953
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.539	0.587	3.401
%RSD		3.741	1.962	6.714
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.371%	1.138	0.130
%RSD		0.372	2.751	24.230
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.068	M 201.800	0.415
%RSD		125.500	M 0.710	5.557
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	-0.704
%RSD		0.000	253.300	317.900
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.010	91.968%	0.221
%RSD		74.470	0.370	9.668
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.078	39.300	0.000
%RSD		22.250	1.293	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.052%	0.304	0.200
%RSD		0.834	6.872	2.820
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.034	94.421%	
%RSD		5.646	0.484	

240-18209 -a-9-a, 12/10/2012 21:50:02 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.996%	0.010	53.160
%RSD		0.313	28.610	2.089
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 78320.000	15720.000	3.511
%RSD		T 0.342	0.425	36.070
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 6174.000	83070.000
%RSD		0.000	T 0.302	0.274
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.135%	92.585%	0.249
%RSD		T 0.495	0.611	86.600
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.392	0.180	-2.764
%RSD		41.790	12.490	2.639
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1113.000	T 5805.000	0.783
%RSD		TM 0.289	T 0.580	2.389
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.947	0.407	2.661
%RSD		6.633	15.450	2.003
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.847%	2.160	0.158
%RSD		0.610	3.621	14.030
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.001	M 199.800	0.094
%RSD		6763.000	M 1.150	84.090
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.000	-0.057
%RSD		0.000	1080.000	1963.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.010	92.126%	0.312
%RSD		153.100	0.894	9.045
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.060	39.260	0.000
%RSD		22.160	1.834	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		106.673%	0.115	0.164
%RSD		0.654	8.468	4.002
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		-0.004	94.734%	
%RSD		71.520	0.639	

240-18209 -a-10-a, 12/10/2012 21:55:01 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.668%	0.009	-10.040
%RSD		0.747	45.080	3.549
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 54760.000	31040.000	4.353
%RSD		T 0.399	0.574	15.270
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1158.000	TM 115200.000
%RSD		0.000	T 0.411	TM 0.085
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.401%	91.703%	0.209
%RSD		T 0.210	0.448	91.440
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.098	0.059	-3.296
%RSD		229.200	17.200	11.230
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		39.960	1446.000	0.060
%RSD		0.479	0.526	14.940
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.385	0.267	2.836
%RSD		7.703	4.472	10.100
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.503%	0.898	0.166
%RSD		0.970	10.680	39.100
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.052	180.600	0.070
%RSD		60.290	0.658	33.940
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.000	0.000
%RSD		0.000	284.400	0.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.009	92.089%	0.366
%RSD		196.300	0.753	5.364
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.037	66.900	0.000
%RSD		25.850	1.084	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.202%	0.120	0.148
%RSD		0.949	10.210	6.663
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.012	94.793%	
%RSD		17.830	0.325	

240-18209 -a-11-a, 12/10/2012 22:00:00 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.271%	0.008	19.760
%RSD		0.451	36.830	1.631
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 43180.000	18230.000	1.943
%RSD		T 0.879	2.539	17.160
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3401.000	M 110200.000
%RSD		0.000	T 0.411	M 0.216
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.913%	91.010%	0.211
%RSD		T 0.246	0.700	35.120
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.119	0.101	-3.659
%RSD		153.100	28.930	8.350
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.652	-78.830	0.068
%RSD		2.094	0.834	13.970
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.985	0.837	2.049
%RSD		11.620	12.750	2.726
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.245%	0.100	0.183
%RSD		1.179	115.400	16.110
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.064	144.500	-0.318
%RSD		137.000	0.564	3.289
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	0.083
%RSD		0.000	46.460	932.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.001	92.046%	0.146
%RSD		977.700	0.599	8.922
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.077	18.580	0.000
%RSD		17.600	1.528	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.089%	0.081	0.145
%RSD		1.050	5.828	2.409
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		-0.009	95.809%	
%RSD		26.610	0.685	

240-18209 -a-12-a, 12/10/2012 22:04:59 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.151%	0.009	35.180
%RSD		0.051	28.060	0.547
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		T 80580.000	20670.000	2.963
%RSD		T 0.873	0.793	6.413
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 4823.000	M 102800.000
%RSD		0.000	T 0.481	M 0.247
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.354%	89.650%	0.127
%RSD		T 0.528	1.269	173.200
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.202	0.092	-3.619
%RSD		23.680	12.210	6.943
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 266.200	-12.920	1.073
%RSD		T 0.199	11.580	2.098
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		3.086	0.563	11.820
%RSD		3.269	14.140	2.251
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.152%	0.767	0.160
%RSD		1.255	25.710	28.740
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.101	177.800	2.489
%RSD		106.000	0.136	4.380
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	-0.146
%RSD		0.000	321.800	773.100
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.001	90.120%	0.975
%RSD		1242.000	1.210	2.143
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.057	36.420	0.000
%RSD		21.290	0.314	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.819%	0.844	0.211
%RSD		1.164	2.339	2.596
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.024	93.524%	
%RSD		10.680	0.647	

240-18209 -a-13-a, 12/10/2012 22:09:58 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.930%	0.011	-8.324
%RSD		0.519	15.320	3.226
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		28610.000	28020.000	-1.808
%RSD		0.693	0.762	21.940
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1240.000	TM 100700.000
%RSD		0.000	T 0.365	TM 1.710
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.175%	90.754%	0.254
%RSD		T 0.536	0.259	50.230
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		-0.037	0.060	-2.952
%RSD		832.100	45.170	17.580
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		27.120	1405.000	0.022
%RSD		0.272	0.487	18.460
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.719	0.258	2.420
%RSD		15.100	16.410	6.313
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.530%	0.468	0.147
%RSD		0.432	18.130	14.320
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.039	M 226.800	0.035
%RSD		21.400	M 0.112	202.000
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	0.000
%RSD		0.000	131.500	0.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.002	92.238%	0.396
%RSD		348.000	1.200	2.976
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.047	61.960	0.000
%RSD		66.600	0.378	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		106.177%	0.133	0.120
%RSD		1.228	7.779	2.874
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.182	96.438%	
%RSD		3.184	0.830	

240-18209 -a-14-a, 12/10/2012 22:14:58 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		85.178%	0.010	7.670
%RSD		0.593	75.400	3.268
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		21040.000	14730.000	30.850
%RSD		0.961	1.523	10.150
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2185.000	M 122900.000
%RSD		0.000	T 0.644	M 0.523
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.495%	89.377%	0.387
%RSD		T 0.885	1.586	34.830
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.126	0.138	-3.226
%RSD		151.600	14.300	11.430
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		1.844	-54.820	0.060
%RSD		0.979	2.380	10.420
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.944	1.041	7.291
%RSD		14.610	5.816	9.704
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		88.938%	0.232	0.173
%RSD		1.506	20.060	7.553
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.069	112.600	-0.296
%RSD		181.300	0.845	13.910
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.000	-0.654
%RSD		0.000	1169.000	0.479
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.012	91.007%	0.279
%RSD		23.220	0.300	12.720
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.090	15.550	0.000
%RSD		12.590	0.223	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		106.123%	0.075	0.118
%RSD		0.768	7.745	8.515
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.014	96.301%	
%RSD		34.920	0.265	

CCV 11 12/10/2012 22:19:56 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.995%	98.915%	79.443%
%RSD		0.815	0.774	2.602
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 102.392%	107.757%	105.306%
%RSD		┬0.693	0.769	1.754
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	┬ 109.597%	99.451%
%RSD		0.000	┬0.506	0.294
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		┬88.826%	94.877%	101.041%
%RSD		┬0.600	0.728	2.122
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		96.070%	98.238%	6.199
%RSD		0.952	0.681	21.240
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 100.582%	┬ 108.695%	95.838%
%RSD		┬0.302	┬0.751	0.616
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		98.154%	96.871%	102.622%
%RSD		0.799	0.286	0.709
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		92.830%	99.856%	-0.379
%RSD		0.926	0.615	22.560
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		100.895%	100.608%	105.980%
%RSD		2.187	0.525	0.472
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	105.729%	99.350
%RSD		0.000	0.371	98.570
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		108.073%	92.835%	107.796%
%RSD		1.260	0.669	0.496
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		109.468%	104.453%	0.000
%RSD		1.246	0.703	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.348%	107.761%	100.105%
%RSD		0.416	0.627	0.523
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		108.878%	94.475%	
%RSD		0.800	0.380	

CCB 11 12/10/2012 22:27:08 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.334%	0.150	16.800
%RSD		0.215	3.413	1.150
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		72.810	64.190	5.611
%RSD		2.752	12.340	9.076
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	60.990	124.100
%RSD		0.000	0.054	9.592
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T87.593%	90.726%	0.337
%RSD		T0.387	0.258	78.180
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.255	0.138	-3.596
%RSD		79.200	19.200	7.631
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.984	37.160	0.154
%RSD		1.604	4.794	15.640
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.240	0.164	0.485
%RSD		1.208	9.997	32.930
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		93.320%	0.038	-0.035
%RSD		0.894	227.500	85.810
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.105	0.370	0.155
%RSD		115.900	3.767	49.530
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.112	-0.086
%RSD		0.000	3.004	316.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.152	93.557%	0.162
%RSD		25.410	0.461	20.660
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.171	0.160	0.000
%RSD		16.950	48.590	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		106.580%	0.592	0.523
%RSD		0.701	5.824	6.701
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.287	103.214%	
%RSD		1.814	0.180	

240-18209 -a-15-a, 12/10/2012 22:32:15 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.261%	0.009	-3.314
%RSD		0.579	44.290	18.760
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		6917.000	25110.000	2.874
%RSD		0.502	0.680	22.520
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 14740.000	77400.000
%RSD		0.000	T 0.639	0.298
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 88.356%	91.260%	0.335
%RSD		T 0.427	0.893	42.650
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.261	3.825	-3.314
%RSD		54.130	2.112	4.009
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		41.790	36.290	0.496
%RSD		0.105	2.418	2.665
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		2.583	0.300	2.501
%RSD		0.209	5.673	7.204
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		91.487%	2.108	0.193
%RSD		0.602	8.283	12.830
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.459	M 249.100	3.731
%RSD		45.300	M 0.070	4.267
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	0.293
%RSD		0.000	118.100	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.003	92.649%	0.963
%RSD		393.600	0.252	4.880
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.543	36.690	0.000
%RSD		2.133	0.724	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.616%	1.921	0.324
%RSD		1.384	0.122	2.371
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.000	97.343%	
%RSD		2078.000	0.830	

240-18209 -a-16-a, 12/10/2012 22:37:24 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.552%	0.011	-4.203
%RSD		0.407	40.660	5.387
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		18730.000	25290.000	19.540
%RSD		0.326	1.506	13.670
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2214.000	M 104300.000
%RSD		0.000	T 0.394	M 0.503
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 87.768%	90.311%	0.763
%RSD		T 0.231	0.297	49.700
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.019	0.235	-3.106
%RSD		1103.000	12.920	15.560
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		42.320	1306.000	0.092
%RSD		0.364	0.658	6.978
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.338	0.346	1.997
%RSD		5.176	36.300	3.875
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.600%	0.690	0.183
%RSD		1.405	21.020	6.405
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.048	186.400	0.332
%RSD		117.900	0.831	8.911
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.001	-0.360
%RSD		0.000	198.800	407.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.007	91.379%	0.277
%RSD		39.910	1.231	18.380
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.051	53.630	0.000
%RSD		13.930	2.193	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.301%	0.223	0.206
%RSD		1.007	3.965	4.444
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.008	96.417%	
%RSD		66.400	0.572	

240-18209-a-17-a, 12/10/2012 22:42:25 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		76.702%	0.268	86.290
%RSD		0.986	2.945	3.405
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		6344.000	41580.000	M 4929.000
%RSD		0.811	1.044	M 0.976
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 8067.000	TM 611100.000
%RSD		0.000	T 1.134	TM 0.284
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 81.016%	87.722%	65.980
%RSD		T 0.936	1.496	0.632
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		8.829	13.130	-3.490
%RSD		5.549	1.622	7.977
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 404.000	T 5938.000	2.840
%RSD		T 0.188	T 0.721	4.602
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		12.450	11.650	46.930
%RSD		3.576	1.433	1.624
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		83.462%	2.350	0.234
%RSD		1.405	7.274	22.940
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.399	M 360.600	0.746
%RSD		57.660	M 0.785	9.213
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.052	-0.384
%RSD		0.000	13.260	280.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.073	88.609%	1.113
%RSD		4.515	1.248	2.493
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.345	58.110	0.000
%RSD		1.134	0.966	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.979%	1.362	0.323
%RSD		2.033	2.739	1.586
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		6.071	86.706%	
%RSD		0.158	1.655	

240-18209 -a-18-a, 12/10/2012 22:47:25 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.825%	0.005	3.349
%RSD		0.602	11.730	16.500
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		12300.000	17220.000	6.602
%RSD		0.522	1.254	28.930
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2448.000	M 128000.000
%RSD		0.000	T 0.267	M 0.267
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.470%	90.998%	0.337
%RSD		T 0.570	0.325	21.910
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.277	0.900	-3.652
%RSD		47.680	3.238	8.080
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		2.491	-75.710	0.443
%RSD		1.014	0.914	5.109
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		1.189	0.910	5.625
%RSD		11.630	1.955	6.105
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.772%	0.270	0.166
%RSD		0.607	39.040	25.300
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.194	103.100	-0.200
%RSD		34.910	0.574	26.280
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.001	-0.359
%RSD		0.000	258.100	403.100
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.009	92.101%	0.145
%RSD		145.600	1.191	19.380
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.079	15.260	0.000
%RSD		11.380	1.644	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.857%	0.169	0.167
%RSD		1.087	7.558	2.382
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		-0.006	97.290%	
%RSD		34.110	0.657	

240-18209 -a-19-a, 12/10/2012 22:52:25 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		86.331%	0.013	-10.290
%RSD		0.115	11.050	3.339
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1115.000	19870.000	65.020
%RSD		0.565	1.265	9.589
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 848.800	84510.000
%RSD		0.000	T 1.097	0.318
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.950%	90.102%	1.148
%RSD		T 0.268	1.464	48.230
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.003	0.145	-2.757
%RSD		7385.000	28.450	6.766
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		35.210	899.200	0.037
%RSD		0.533	1.205	36.460
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.432	0.420	3.047
%RSD		30.010	16.020	3.662
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.006%	0.722	0.186
%RSD		2.157	14.360	30.600
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.050	102.000	0.196
%RSD		70.060	1.115	38.540
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	-0.001	0.291
%RSD		0.000	342.200	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		-0.001	92.584%	0.091
%RSD		399.000	0.901	33.000
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.017	32.870	0.000
%RSD		149.300	1.643	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		106.789%	0.086	0.125
%RSD		0.947	6.825	1.762
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.083	99.045%	
%RSD		12.620	0.310	

CCV 12 12/10/2012 22:57:34 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.815%	99.920%	80.001%
%RSD		0.284	0.158	1.439
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 102.520%	107.455%	103.460%
%RSD		┬0.333	0.653	0.616
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	┬ 109.406%	99.809%
%RSD		0.000	┬0.646	0.103
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		┬88.928%	94.959%	103.468%
%RSD		┬0.189	1.075	4.342
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		97.182%	98.374%	5.678
%RSD		0.535	0.801	11.460
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 100.949%	┬ 108.408%	96.889%
%RSD		┬0.268	┬0.296	0.716
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		98.352%	98.700%	102.254%
%RSD		1.010	1.392	1.445
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		93.024%	100.092%	-0.544
%RSD		0.316	0.896	17.280
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		101.919%	101.833%	104.804%
%RSD		2.250	1.251	0.910
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	105.030%	96.840
%RSD		0.000	0.678	72.870
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		108.475%	94.202%	106.341%
%RSD		1.203	0.947	0.212
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		108.414%	103.938%	0.000
%RSD		0.567	0.680	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.806%	107.295%	100.072%
%RSD		1.197	0.587	0.379
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		108.491%	95.098%	
%RSD		0.100	0.534	

CCB 12 12/10/2012 23:04:46 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		87.334%	0.153	16.030
%RSD		0.687	7.135	1.315
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		77.020	72.760	3.872
%RSD		1.976	1.396	23.300
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	65.640	140.800
%RSD		0.000	0.600	1.910
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T88.167%	91.429%	0.419
%RSD		T0.714	0.628	46.490
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.076	0.165	-3.510
%RSD		215.400	6.368	7.529
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		1.028	40.150	0.162
%RSD		2.139	3.482	0.588
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.214	0.199	0.766
%RSD		13.400	21.540	13.350
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		93.518%	0.113	-0.033
%RSD		1.306	50.860	182.700
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.109	0.392	0.102
%RSD		93.740	2.969	127.500
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.118	2.843
%RSD		0.000	3.868	92.030
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.155	94.649%	0.208
%RSD		5.787	0.510	19.940
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.166	0.181	0.000
%RSD		14.890	23.800	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		106.844%	0.604	0.538
%RSD		0.457	10.130	7.309
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.301	104.619%	
%RSD		3.149	0.635	

MB 240-67107/1-A, 12/10/2012 23:09:48 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.972%	0.002	-16.520
%RSD		0.711	32.460	2.455
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		62.830	55.020	4.243
%RSD		2.504	4.781	39.120
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	44.800	313.200
%RSD		0.000	0.164	2.014
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 91.602%	94.551%	0.202
%RSD		T 0.401	0.572	68.800
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.047	0.295	-3.848
%RSD		254.600	9.760	7.252
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		0.855	36.240	0.006
%RSD		1.334	3.312	125.300
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.257	0.749	6.491
%RSD		31.890	14.770	7.066
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		94.370%	0.029	0.171
%RSD		0.713	154.500	24.940
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.005	0.357	-0.184
%RSD		1452.000	8.011	35.430
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.002	0.279
%RSD		0.000	60.110	173.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.006	97.138%	21.410
%RSD		82.740	0.490	0.873
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.059	1.183	0.000
%RSD		6.333	10.850	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		111.666%	0.286	0.395
%RSD		0.806	6.556	1.919
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.440	105.000%	
%RSD		1.749	0.509	

LCS 240 -67107/3-A, 12/10/2012 23:14:47 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		90.582%	M 854.400	67.750
%RSD		0.625	M 0.555	2.139
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9277.000	10310.000	M 9478.000
%RSD		0.500	1.250	M 0.492
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 10340.000	9781.000
%RSD		0.000	T 0.117	0.820
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 90.986%	96.362%	93.170
%RSD		T 0.654	0.831	5.406
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 877.400	M 920.200	79.310
%RSD		M 0.361	M 0.424	2.959
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 951.300	T 10190.000	M 885.100
%RSD		T 0.127	T 0.814	M 0.644
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 901.600	M 913.100	M 849.700
%RSD		M 0.373	M 0.387	M 0.349
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		93.822%	M 819.400	-2.579
%RSD		1.265	M 0.535	7.524
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 758.300	M 915.500	95.320
%RSD		M 0.669	M 0.341	1.258
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	100.600	567.600
%RSD		0.000	0.336	7.423
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 937.000	96.714%	117.300
%RSD		M 0.202	0.510	0.736
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		94.310	M 965.400	0.000
%RSD		0.565	M 0.479	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		113.385%	94.860	TM 224.000
%RSD		0.685	0.444	TM 0.198
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 983.500	101.150%	
%RSD		TM 0.343	0.427	

240-18134 -B-1-A@5, 12/10/2012 23:22:01 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.953%	2.013	-11.240
%RSD		0.089	1.190	2.195
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		119.200	5659.000	M 15440.000
%RSD		4.162	0.278	M 0.687
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1559.000	10480.000
%RSD		0.000	T 0.563	0.090
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 95.576%	100.895%	177.700
%RSD		T 0.265	1.470	1.276
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		40.010	74.650	1.705
%RSD		1.099	0.966	31.210
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2594.000	TM 102800.000	19.870
%RSD		TM 0.233	TM 0.466	1.029
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		49.860	59.500	M 280.900
%RSD		0.995	0.347	M 0.434
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		101.357%	76.690	0.178
%RSD		0.609	1.438	52.420
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.241	27.000	6.461
%RSD		11.590	1.767	2.255
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.212	-7.731
%RSD		0.000	2.033	36.370
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.597	101.990%	3.755
%RSD		5.034	0.128	0.918
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.046	181.800	0.000
%RSD		1.481	0.749	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		121.235%	1.122	1.281
%RSD		1.597	1.123	3.612
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		105.800	108.355%	
%RSD		0.738	0.386	

240-18134 -B-2-A@5, 12/10/2012 23:29:15 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		93.341%	1.441	-11.660
%RSD		0.150	3.142	2.865
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		105.200	5031.000	M 24650.000
%RSD		2.397	3.566	M 0.800
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1777.000	4133.000
%RSD		0.000	T 0.284	0.970
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 96.242%	102.633%	M 214.400
%RSD		T 0.536	0.608	M 4.559
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		48.940	29.540	-2.532
%RSD		0.926	0.540	6.661
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1174.000	TM 66420.000	18.210
%RSD		TM 0.434	TM 0.994	0.702
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		42.000	47.110	M 246.300
%RSD		0.470	0.269	M 0.065
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		102.060%	30.620	0.088
%RSD		0.858	1.774	56.470
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		3.191	22.140	6.923
%RSD		5.752	0.333	1.107
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.182	-7.868
%RSD		0.000	1.622	49.530
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.822	102.098%	5.335
%RSD		11.530	1.020	2.026
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.687	M 255.900	0.000
%RSD		7.847	M 0.435	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		119.041%	0.329	1.022
%RSD		1.022	3.929	1.129
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 260.000	108.755%	
%RSD		TM 0.284	1.303	

240-18134 -B-3-A@10, 12/10/2012 23:34:15 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		89.645%	0.894	-10.330
%RSD		0.372	7.188	3.908
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		138.300	4764.000	M 11860.000
%RSD		2.147	0.905	M 0.229
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 925.800	9720.000
%RSD		0.000	T 0.141	0.438
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 92.645%	96.667%	179.700
%RSD		T 0.652	0.582	5.685
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		31.280	83.650	3.036
%RSD		0.498	0.662	37.250
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1267.000	T 43500.000	9.202
%RSD		TM 0.125	T 0.871	1.674
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		27.170	29.700	M 228.600
%RSD		1.212	0.455	M 0.891
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		96.706%	18.460	0.028
%RSD		1.336	2.259	74.350
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.749	25.030	6.891
%RSD		11.340	0.931	1.760
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.544	-0.437
%RSD		0.000	2.034	522.700
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.589	98.502%	2.920
%RSD		8.268	0.325	6.710
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.371	105.700	0.000
%RSD		4.787	0.786	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		114.012%	1.076	0.502
%RSD		0.493	2.082	2.932
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		73.710	108.450%	
%RSD		0.416	0.386	

240-18134 -B-4-A@20, 12/10/2012 23:39:23 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		76.144%	0.389	-3.939
%RSD		0.325	3.848	21.280
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		58.790	14560.000	M 9103.000
%RSD		5.003	1.822	M 0.367
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	401.800	46900.000
%RSD		0.000	0.438	0.339
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 78.620%	83.274%	M 491.700
%RSD		T 0.165	0.555	M 1.761
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		67.810	M 762.700	68.430
%RSD		2.110	M 0.322	3.294
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4196.000	T 48680.000	5.791
%RSD		TM 0.117	T 0.406	0.689
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		161.000	65.730	M 239.500
%RSD		0.511	1.157	M 0.223
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		85.634%	7.705	0.046
%RSD		1.415	4.385	92.130
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.840	39.190	34.950
%RSD		17.660	1.439	0.451
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.141	-0.453
%RSD		0.000	16.570	1894.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.832	89.291%	3.046
%RSD		7.277	0.829	2.332
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.757	60.330	0.000
%RSD		6.777	0.345	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		104.978%	14.600	0.251
%RSD		0.946	0.071	4.020
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		37.390	102.435%	
%RSD		0.126	0.853	

CCV 13 12/10/2012 23:44:22 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		83.156%	100.608%	80.032%
%RSD		0.617	0.778	0.836
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		┬ 100.326%	105.084%	101.694%
%RSD		┬0.846	1.476	3.034
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	┬ 109.218%	100.480%
%RSD		0.000	┬0.499	0.427
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		┬84.574%	91.171%	97.991%
%RSD		┬0.413	1.235	2.250
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		95.873%	97.828%	5.291
%RSD		1.786	0.912	38.120
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		┬ 102.206%	┬ 107.647%	95.194%
%RSD		┬0.351	┬0.575	0.812
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		97.080%	96.914%	102.588%
%RSD		1.119	0.989	2.592
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.493%	97.903%	-0.411
%RSD		0.938	0.559	32.150
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		99.840%	100.808%	105.570%
%RSD		2.737	0.945	0.989
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	104.698%	147.900
%RSD		0.000	0.679	57.170
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		108.872%	91.836%	107.604%
%RSD		0.705	0.592	1.000
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		109.077%	104.254%	0.000
%RSD		0.679	1.395	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		107.270%	108.195%	100.259%
%RSD		0.517	0.732	0.385
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		110.124%	95.177%	
%RSD		0.400	0.415	

CCB 13 12/10/2012 23:51:34 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		83.071%	0.182	16.930
%RSD		0.316	3.147	0.958
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		80.730	73.780	5.990
%RSD		2.674	10.830	22.350
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	73.750	156.800
%RSD		0.000	1.966	2.290
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 83.946%	87.804%	0.522
%RSD		T 0.411	0.950	24.190
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.390	0.169	-5.052
%RSD		48.830	23.340	3.251
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		1.306	47.850	0.192
%RSD		2.261	8.603	6.492
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.270	0.194	0.565
%RSD		24.160	10.680	6.062
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.919%	0.055	-0.034
%RSD		0.663	141.500	98.940
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.189	0.365	0.264
%RSD		12.120	7.142	29.630
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.137	-1.835
%RSD		0.000	5.333	12.930
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.161	92.195%	0.201
%RSD		6.451	0.253	13.630
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.192	0.180	0.000
%RSD		10.290	4.054	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		105.973%	0.692	0.594
%RSD		1.123	9.064	6.150
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.325	104.627%	
%RSD		2.130	0.215	

mb 240-67776/1-a, 12/10/2012 23:56:35 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.403%	0.027	-17.780
%RSD		0.457	5.078	2.467
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		50.970	51.350	1.804
%RSD		2.857	13.020	93.120
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	29.480	208.800
%RSD		0.000	0.233	0.700
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T86.031%	88.714%	0.345
%RSD		T0.274	0.449	43.520
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.075	0.276	-5.766
%RSD		167.200	9.488	2.427
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		1.496	26.940	0.029
%RSD		1.768	3.395	35.980
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.257	1.556	4.398
%RSD		22.750	6.363	7.935
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		90.108%	-0.151	0.187
%RSD		0.937	30.850	11.620
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		-0.059	0.393	-0.236
%RSD		61.520	12.750	18.710
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.009	-0.056
%RSD		0.000	41.300	997.800
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.047	93.794%	16.500
%RSD		41.270	0.758	1.902
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.046	2.798	0.000
%RSD		50.830	2.571	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		109.992%	0.270	0.407
%RSD		0.311	6.342	1.885
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.657	105.163%	
%RSD		1.423	0.334	

lcs 240-67776/3-a, 12/11/2012 00:01:53 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		84.958%	M 827.000	64.980
%RSD		0.943	M 0.604	2.219
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		8879.000	9811.000	M 9073.000
%RSD		0.774	1.135	M 0.467
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 9831.000	9377.000
%RSD		0.000	T 0.568	0.552
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 86.845%	91.527%	89.060
%RSD		T 0.428	1.042	3.304
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 838.400	M 881.200	77.280
%RSD		M 0.775	M 0.962	5.662
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 920.700	T 9742.000	M 846.000
%RSD		T 0.087	T 0.340	M 0.720
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 866.700	M 878.800	M 840.900
%RSD		M 0.587	M 0.794	M 0.486
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.129%	M 800.200	-2.863
%RSD		1.309	M 0.578	2.652
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 754.100	M 872.700	90.400
%RSD		M 1.131	M 0.647	0.365
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	97.570	679.900
%RSD		0.000	0.641	22.320
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 911.700	94.573%	105.700
%RSD		M 0.869	0.417	0.637
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		90.910	M 919.800	0.000
%RSD		0.693	M 0.736	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		111.638%	90.540	TM 214.200
%RSD		0.673	0.506	TM 0.283
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 962.200	102.648%	
%RSD		TM 0.089	0.355	

240-18434-b-22-a, 12/11/2012 00:09:07 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		69.596%	4.912	63.590
%RSD		0.144	0.725	2.064
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		785.300	M 242400.000	M 54810.000
%RSD		1.000	M 0.359	M 1.046
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7797.000	TM 580800.000
%RSD		0.000	T 0.369	TM 0.101
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 77.732%	88.253%	M 882.500
%RSD		T 0.521	1.787	M 0.896
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		141.900	87.560	2.245
%RSD		1.117	1.048	83.930
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4569.000	TM 155200.000	58.600
%RSD		TM 0.252	TM 0.334	0.207
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		116.800	M 490.200	M 984.700
%RSD		0.674	M 0.554	M 0.676
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		80.988%	89.930	0.544
%RSD		1.827	1.433	17.840
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		8.635	M 613.100	12.880
%RSD		8.259	M 0.252	0.743
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.499	-32.150
%RSD		0.000	5.137	41.860
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.969	89.648%	45.830
%RSD		9.754	1.301	0.550
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		122.200	M 685.700	0.000
%RSD		0.859	M 0.482	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		116.568%	3.788	2.707
%RSD		1.601	1.383	2.533
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1169.000	91.889%	
%RSD		TM 0.139	1.387	

SD 240-18434-b-22-a@5, 12/11/2012 00:14:10 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		80.638%	1.195	1.774
%RSD		0.406	6.138	27.520
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		176.300	54900.000	M 12030.000
%RSD		1.462	0.213	M 0.553
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1619.000	M 123500.000
%RSD		0.000	T 0.925	M 0.094
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 82.803%	89.729%	181.800
%RSD		T 0.205	0.834	6.083
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		29.470	18.550	-4.028
%RSD		0.715	0.624	10.340
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 985.800	T 32450.000	12.590
%RSD		T 0.396	T 1.019	2.092
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		25.930	112.400	M 235.700
%RSD		1.477	0.575	M 1.315
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.016%	19.710	0.074
%RSD		0.742	0.510	79.320
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.995	117.700	2.210
%RSD		15.550	0.686	6.085
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.136	-11.000
%RSD		0.000	4.877	24.090
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.807	92.806%	9.854
%RSD		9.694	0.217	2.143
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		27.470	142.400	0.000
%RSD		1.713	1.294	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		111.538%	0.902	0.764
%RSD		0.786	1.340	1.317
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 281.400	99.073%	
%RSD		TM 0.508	1.070	

240-18434-b-22-d ms, 12/11/2012 00:19:09 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		67.617%	M 785.800	139.700
%RSD		0.601	M 0.319	1.349
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		8703.000	M 319000.000	M 71090.000
%RSD		0.180	M 0.340	M 0.569
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 19650.000	TM 726000.000
%RSD		0.000	T 0.311	TM 0.253
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 78.306%	90.592%	M 1180.000
%RSD		T 1.018	2.029	M 0.643
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 972.100	M 930.300	81.470
%RSD		M 0.368	M 0.218	1.772
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5108.000	TM 157800.000	M 847.900
%RSD		TM 0.177	TM 0.786	M 0.419
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 868.800	M 1123.000	M 1545.000
%RSD		M 0.661	M 0.548	M 0.661
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		80.373%	M 893.500	-2.222
%RSD		0.924	M 1.199	15.880
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 788.600	M 1678.000	104.700
%RSD		M 1.836	M 0.916	1.337
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	82.780	512.700
%RSD		0.000	0.701	28.240
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 858.300	89.975%	123.800
%RSD		M 0.428	1.119	0.032
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		44.960	M 1576.000	0.000
%RSD		1.322	M 0.282	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		116.238%	67.360	TM 217.600
%RSD		1.504	0.342	TM 0.547
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1441.000	87.649%	
%RSD		TM 0.115	1.373	

240-18434-b-22-e msd, 12/11/2012 00:26:24 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		67.114%	M 825.200	112.400
%RSD		0.820	M 0.598	0.943
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		8510.000	M 182300.000	M 68140.000
%RSD		0.551	M 0.675	M 0.781
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 17230.000	TM 521700.000
%RSD		0.000	T 0.335	TM 0.066
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 77.272%	88.871%	M 856.000
%RSD		T 0.765	1.189	M 0.831
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 949.700	M 928.100	76.680
%RSD		M 0.530	M 0.187	4.660
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5411.000	TM 159400.000	M 857.600
%RSD		TM 0.053	TM 0.921	M 0.584
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 900.800	M 1200.000	M 1642.000
%RSD		M 0.089	M 0.741	M 0.637
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		81.974%	M 902.900	-2.218
%RSD		0.871	M 1.144	23.560
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 806.200	M 1578.000	102.300
%RSD		M 1.521	M 0.657	1.125
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	84.770	504.500
%RSD		0.000	0.135	30.370
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 879.700	90.449%	133.400
%RSD		M 0.137	1.152	0.247
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		42.850	M 1540.000	0.000
%RSD		0.518	M 0.425	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		118.483%	67.840	TM 210.700
%RSD		1.135	0.685	TM 0.342
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1631.000	93.310%	
%RSD		TM 0.414	0.947	

240-18434-b-23-a, 12/11/2012 00:33:38 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		65.436%	5.264	76.870
%RSD		0.666	3.072	1.492
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		906.400	M 163700.000	M 70690.000
%RSD		1.071	M 0.412	M 0.995
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 13500.000	TM 635800.000
%RSD		0.000	T 0.533	TM 0.477
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 76.390%	89.191%	M 674.400
%RSD		T 0.495	1.303	M 1.346
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		160.000	121.900	4.070
%RSD		0.344	0.230	26.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5803.000	TM 202600.000	67.680
%RSD		TM 0.334	TM 0.529	0.212
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		137.600	M 377.500	M 1105.000
%RSD		1.121	M 0.360	M 0.218
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		82.229%	62.890	0.602
%RSD		1.254	0.637	9.239
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		9.343	M 960.500	10.520
%RSD		6.447	M 0.639	2.856
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.398	-20.910
%RSD		0.000	3.374	16.040
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.867	91.710%	37.430
%RSD		3.930	1.283	0.791
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		10.040	M 1083.000	0.000
%RSD		4.314	M 0.412	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		121.824%	1.515	2.505
%RSD		1.266	3.032	2.110
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1024.000	93.464%	
%RSD		TM 0.234	1.192	

240-18434-b-24-a, 12/11/2012 00:40:52 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		70.690%	8.835	64.480
%RSD		0.998	1.427	2.017
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		670.300	68100.000	M 141600.000
%RSD		0.534	0.634	M 0.504
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 21130.000	TM 144600.000
%RSD		0.000	T 0.380	TM 0.009
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 85.758%	98.529%	M 393.600
%RSD		T 0.625	1.344	M 1.231
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 227.700	197.000	10.970
%RSD		M 0.443	0.307	9.429
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 7000.000	TM 340700.000	132.100
%RSD		TM 0.100	TM 0.357	0.529
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 258.800	181.300	M 654.800
%RSD		M 0.583	0.646	M 0.433
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		90.636%	46.270	0.892
%RSD		1.362	1.374	11.730
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		10.680	M 618.000	3.060
%RSD		3.551	M 0.491	1.448
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.194	-39.020
%RSD		0.000	9.698	15.380
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.784	96.544%	11.000
%RSD		11.320	0.538	1.297
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		5.519	M 697.300	0.000
%RSD		0.721	M 0.987	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		137.864%	0.304	1.547
%RSD		1.552	2.725	0.723
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		134.600	103.249%	
%RSD		0.255	0.763	

240-18434-b-25-a, 12/11/2012 00:45:56 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		66.348%	6.465	69.750
%RSD		0.435	1.645	0.197
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		912.500	M 232300.000	M 48770.000
%RSD		1.058	M 0.387	M 0.349
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 8253.000	TM 447300.000
%RSD		0.000	T 0.324	TM 0.635
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 76.383%	85.903%	M 891.600
%RSD		T 0.621	0.787	M 1.616
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		128.700	85.860	1.677
%RSD		0.585	0.341	10.130
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2725.000	TM 165400.000	56.500
%RSD		TM 0.246	TM 0.488	1.027
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		123.000	M 883.800	M 454.200
%RSD		0.121	M 0.808	M 0.269
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		80.579%	91.940	0.399
%RSD		2.126	0.820	22.330
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		6.802	M 714.300	7.455
%RSD		6.260	M 0.514	3.111
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.349	-39.870
%RSD		0.000	1.919	16.380
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.242	89.749%	29.170
%RSD		5.680	1.297	1.393
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		17.870	M 829.200	0.000
%RSD		0.467	M 0.568	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		118.215%	4.840	1.826
%RSD		0.839	0.778	1.401
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1643.000	98.889%	
%RSD		TM 0.382	1.166	

240-18434-b-26-a, 12/11/2012 00:50:55 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		66.165%	9.997	43.020
%RSD		0.208	0.890	2.905
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		654.000	M 102600.000	M 38100.000
%RSD		0.551	M 0.751	M 0.980
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 6192.000	TM 247400.000
%RSD		0.000	T 0.729	TM 0.129
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 75.089%	85.065%	M 1449.000
%RSD		T 0.573	1.771	M 0.376
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		144.200	76.370	1.076
%RSD		0.195	0.372	74.220
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2849.000	TM 206800.000	61.050
%RSD		TM 0.062	TM 0.141	0.231
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		111.500	M 524.800	M 447.900
%RSD		0.486	M 0.446	M 0.903
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		83.057%	128.500	0.404
%RSD		1.399	1.291	12.360
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		14.570	M 539.400	16.750
%RSD		5.802	M 0.998	1.673
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.696	-23.780
%RSD		0.000	4.058	52.330
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.380	90.858%	58.320
%RSD		1.396	1.319	0.171
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		24.230	M 736.200	0.000
%RSD		2.008	M 0.485	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		119.619%	2.323	2.694
%RSD		0.872	1.241	0.771
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1895.000	108.874%	
%RSD		TM 0.332	1.338	

CCV 12/11/2012 00:56:02 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		76.162%	102.413%	82.366%
%RSD		0.669	0.484	2.160
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		T 98.472%	103.038%	102.801%
%RSD		T 0.305	0.933	0.360
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	T 107.772%	98.089%
%RSD		0.000	T 0.335	0.581
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 81.407%	88.177%	101.762%
%RSD		T 0.885	1.297	0.880
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		96.036%	97.528%	4.364
%RSD		0.967	0.596	9.948
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		T 101.487%	T 109.300%	95.187%
%RSD		T 0.466	T 0.251	0.455
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		94.470%	96.063%	102.924%
%RSD		0.949	0.724	1.013
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		88.187%	99.454%	-0.440
%RSD		1.082	0.367	31.800
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		100.288%	101.606%	104.178%
%RSD		1.927	0.697	1.072
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	104.247%	132.800
%RSD		0.000	0.244	51.290
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		107.870%	91.791%	107.525%
%RSD		0.387	0.169	0.850
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		109.337%	105.429%	0.000
%RSD		0.878	0.659	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		108.952%	106.404%	99.623%
%RSD		0.781	0.092	0.559
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		110.465%	97.678%	
%RSD		0.297	0.817	

CCB 12/11/2012 01:03:14 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		75.044%	0.197	17.490
%RSD		0.770	7.819	0.844
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		74.460	84.410	4.833
%RSD		1.120	5.494	21.800
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	83.750	171.500
%RSD		0.000	2.705	6.432
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 79.868%	84.103%	0.546
%RSD		T 0.121	0.786	25.500
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.261	0.176	-5.358
%RSD		57.410	3.840	4.176
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		1.466	60.330	0.156
%RSD		2.338	3.768	2.721
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.263	0.206	0.585
%RSD		9.796	15.440	40.470
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		87.518%	0.171	-0.030
%RSD		0.321	76.490	160.800
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.141	0.439	0.096
%RSD		58.020	9.301	78.940
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.136	0.788
%RSD		0.000	8.989	178.600
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.208	91.379%	0.237
%RSD		28.010	0.419	9.649
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.288	0.260	0.000
%RSD		14.500	17.570	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		105.017%	0.624	0.524
%RSD		0.782	9.175	6.314
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.356	104.572%	
%RSD		3.515	0.786	

240-18434-b-27-a, 12/11/2012 01:08:14 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		71.047%	10.850	57.120
%RSD		0.682	0.760	0.973
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		636.000	55710.000	M 38180.000
%RSD		0.859	0.898	M 0.726
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 6426.000	TM 162300.000
%RSD		0.000	T 0.262	TM 0.083
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 77.539%	88.732%	M 1339.000
%RSD		T 0.764	2.355	M 0.918
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		120.000	138.700	9.312
%RSD		1.222	1.285	18.660
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3043.000	TM 186400.000	48.160
%RSD		TM 0.206	TM 0.591	0.950
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		119.200	M 539.300	M 369.700
%RSD		0.242	M 0.606	M 1.427
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		86.129%	123.400	0.223
%RSD		2.180	0.753	40.360
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		11.220	M 446.100	14.800
%RSD		10.880	M 0.359	3.087
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	1.389	-13.340
%RSD		0.000	3.951	104.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.663	91.290%	38.820
%RSD		1.866	1.250	0.537
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		18.810	M 747.400	0.000
%RSD		0.566	M 0.289	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		120.225%	3.190	2.096
%RSD		1.107	0.580	0.649
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 2175.000	108.068%	
%RSD		TM 0.371	1.005	

240-18434-b-28-a, 12/11/2012 01:13:13 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		66.145%	4.571	45.510
%RSD		0.342	0.920	1.671
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		679.400	M 168800.000	M 50810.000
%RSD		0.332	M 0.429	M 0.608
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 9914.000	TM 459400.000
%RSD		0.000	T 0.375	TM 0.387
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 75.356%	84.108%	M 541.200
%RSD		T 0.933	1.394	M 0.546
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		116.600	84.920	1.615
%RSD		0.166	0.337	82.180
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 6428.000	TM 156800.000	67.990
%RSD		TM 0.218	TM 0.549	1.335
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		110.000	M 430.100	M 915.200
%RSD		0.804	M 0.698	M 1.027
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		79.673%	60.570	0.402
%RSD		1.854	1.283	32.530
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		6.813	M 562.200	10.060
%RSD		8.451	M 0.640	2.845
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.391	-14.660
%RSD		0.000	0.786	98.490
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.747	87.882%	39.770
%RSD		2.472	1.266	1.485
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		7.155	M 758.300	0.000
%RSD		0.183	M 0.350	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		117.802%	1.077	1.729
%RSD		1.244	2.263	0.753
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 797.700	91.902%	
%RSD		TM 0.567	1.016	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		60.188%	4.121	105.900
%RSD		0.801	3.484	2.656
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1085.000	M 430100.000	M 57400.000
%RSD		0.471	M 0.449	M 0.871
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 13810.000	TM 868400.000
%RSD		0.000	T 0.261	TM 0.197
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 71.229%	80.727%	M 487.700
%RSD		T 0.594	1.743	M 2.229
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		147.100	113.600	3.167
%RSD		0.596	0.388	47.530
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4618.000	TM 320900.000	54.720
%RSD		TM 0.258	TM 0.326	1.196
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		108.000	M 548.900	M 1133.000
%RSD		0.819	M 1.220	M 1.118
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		74.627%	67.240	0.437
%RSD		2.249	1.454	10.280
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.294	M 662.300	7.612
%RSD		10.680	M 0.413	3.846
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.296	-9.896
%RSD		0.000	5.555	207.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.155	84.377%	26.330
%RSD		3.833	0.583	1.741
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		5.359	M 598.200	0.000
%RSD		4.125	M 0.593	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		108.592%	3.037	1.508
%RSD		0.794	0.590	1.451
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 635.000	79.703%	
%RSD		TM 0.492	2.216	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		64.491%	5.067	99.400
%RSD		0.371	1.253	0.760
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1350.000	M 431200.000	M 25070.000
%RSD		0.394	M 0.215	M 0.490
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 4136.000	TM 793600.000
%RSD		0.000	T 0.205	TM 0.355
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 74.395%	82.081%	M 1183.000
%RSD		T 0.391	0.690	M 1.161
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		91.290	63.410	-0.306
%RSD		0.718	0.384	168.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2110.000	TM 134100.000	29.620
%RSD		TM 0.428	TM 0.690	1.745
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		68.560	M 447.500	M 716.300
%RSD		0.520	M 0.705	M 0.888
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		74.490%	91.110	0.404
%RSD		1.284	0.788	34.660
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		6.795	M 631.600	8.470
%RSD		2.213	M 0.699	1.840
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.502	-27.580
%RSD		0.000	2.099	37.680
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.279	86.120%	51.760
%RSD		4.489	1.869	1.496
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		33.410	M 589.200	0.000
%RSD		1.141	M 0.168	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		110.017%	9.736	1.844
%RSD		1.385	0.502	0.703
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1541.000	86.596%	
%RSD		TM 0.416	0.918	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		66.035%	5.934	41.830
%RSD		0.163	1.424	1.497
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		739.100	M 145300.000	M 30010.000
%RSD		1.144	M 0.607	M 0.955
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 4720.000	TM 501900.000
%RSD		0.000	T 0.374	TM 0.275
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 75.124%	83.594%	M 1037.000
%RSD		T 0.395	1.107	M 1.900
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		106.300	58.190	-1.941
%RSD		0.570	0.387	15.750
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3456.000	TM 124200.000	38.040
%RSD		TM 0.012	TM 0.407	0.153
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		76.020	M 385.500	M 540.100
%RSD		0.536	M 0.523	M 1.052
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		77.867%	97.980	0.474
%RSD		0.562	0.590	23.630
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		7.253	M 744.200	11.000
%RSD		5.424	M 0.670	1.535
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.927	-23.680
%RSD		0.000	4.050	13.930
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.207	88.507%	34.450
%RSD		2.599	0.779	0.177
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		71.890	M 554.100	0.000
%RSD		0.150	M 0.772	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		114.734%	1.749	1.454
%RSD		0.763	2.140	0.380
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 7246.000	122.154%	
%RSD		TM 0.259	0.713	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		65.978%	7.179	M 252.500
%RSD		0.195	0.304	M 0.963
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1784.000	15980.000	M 43240.000
%RSD		0.576	0.860	M 0.449
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5466.000	52480.000
%RSD		0.000	T 0.634	0.450
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 83.173%	108.178%	M 494.400
%RSD		T 0.463	0.666	M 0.889
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		133.300	M 296.700	20.300
%RSD		0.207	M 0.432	2.046
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 8340.000	TM 1498000.000	96.970
%RSD		TM 0.283	TM 0.268	0.391
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		158.100	M 364.300	M 5502.000
%RSD		0.483	M 0.249	M 0.401
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		109.993%	154.100	0.263
%RSD		1.455	0.770	14.840
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.382	M 836.300	17.650
%RSD		5.460	M 0.364	1.658
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.468	-7.227
%RSD		0.000	0.466	133.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		15.570	110.038%	M 252.400
%RSD		0.842	0.737	M 0.353
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		61.720	M 2573.000	0.000
%RSD		0.504	M 0.406	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		126.191%	12.010	1.038
%RSD		1.098	0.474	1.212
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 8956.000	121.795%	
%RSD		TM 0.322	0.514	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		59.552%	6.137	30.090
%RSD		0.836	1.681	1.430
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		297.700	18220.000	M 55990.000
%RSD		0.492	1.413	M 0.632
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7397.000	55780.000
%RSD		0.000	T 0.330	0.188
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 78.253%	106.440%	M 623.800
%RSD		T 0.073	0.243	M 1.860
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		191.100	M 430.800	30.660
%RSD		0.950	M 0.644	9.635
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 11480.000	TM 2026000.000	113.800
%RSD		TM 0.036	TM 0.648	0.520
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		184.200	M 394.500	TM 8773.000
%RSD		0.514	M 0.583	TM 0.265
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		109.395%	195.800	0.328
%RSD		0.382	0.756	34.650
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		7.427	M 266.900	23.020
%RSD		12.060	M 0.434	0.733
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.642	-9.161
%RSD		0.000	1.965	19.360
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		20.400	104.544%	M 418.500
%RSD		0.609	0.268	M 0.831
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		123.300	M 3551.000	0.000
%RSD		0.634	M 0.639	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		118.704%	12.200	1.462
%RSD		0.529	0.209	1.319
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 12910.000	116.227%	
%RSD		TM 0.372	0.503	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		63.297%	5.800	11.430
%RSD		0.908	1.465	13.060
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		220.200	10680.000	M 47240.000
%RSD		1.634	1.165	M 0.460
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5093.000	37260.000
%RSD		0.000	T 0.994	0.449
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 79.182%	98.170%	M 459.000
%RSD		T 0.359	0.569	M 1.403
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 232.400	M 268.900	18.200
%RSD		M 0.473	M 0.269	2.709
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 17330.000	TM 1397000.000	120.500
%RSD		TM 0.430	TM 0.813	0.718
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		145.200	M 489.100	TM 8467.000
%RSD		1.388	M 0.167	TM 1.911
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		101.951%	M 248.500	0.389
%RSD		0.414	M 0.823	19.260
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		7.370	173.300	25.620
%RSD		7.480	0.761	0.523
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.500	19.910
%RSD		0.000	3.576	158.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		31.040	135.282%	M 913.100
%RSD		2.280	0.313	M 0.659
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		31.720	M 1297.000	0.000
%RSD		0.837	M 0.427	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		122.788%	10.970	1.695
%RSD		0.515	0.609	0.034
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 3335.000	113.725%	
%RSD		TM 0.358	0.472	

240-18434-b-35-a, 12/11/2012 01:48:20 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		76.731%	6.873	26.900
%RSD		0.310	1.394	4.277
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		549.600	13290.000	M 83560.000
%RSD		0.489	1.258	M 0.423
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5279.000	36830.000
%RSD		0.000	T 0.142	0.145
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 89.159%	101.833%	M 630.900
%RSD		T 0.883	1.169	M 2.767
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		148.200	195.900	12.440
%RSD		0.637	0.249	17.540
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2731.000	TM 517700.000	67.050
%RSD		TM 0.378	TM 0.058	0.425
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		134.100	M 451.000	M 6530.000
%RSD		1.185	M 0.705	M 0.318
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		100.909%	145.100	0.384
%RSD		0.975	0.652	25.770
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		8.232	M 324.000	18.020
%RSD		5.992	M 0.302	1.117
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	2.214	11.270
%RSD		0.000	2.125	225.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		27.370	104.971%	M 426.600
%RSD		0.630	1.341	M 1.051
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		13.180	M 3897.000	0.000
%RSD		2.861	M 0.112	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		130.082%	5.860	1.254
%RSD		1.040	0.815	1.611
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 3555.000	123.601%	
%RSD		TM 0.645	0.364	

240-18434-b-36-a, 12/11/2012 01:53:32 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		73.656%	6.378	56.480
%RSD		0.468	1.782	1.724
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		566.600	15740.000	M 44890.000
%RSD		1.754	1.342	M 0.751
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5109.000	78090.000
%RSD		0.000	T 0.502	0.107
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 83.322%	90.918%	M 602.100
%RSD		T 0.170	1.545	M 2.503
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		103.800	170.500	8.751
%RSD		2.153	0.775	8.290
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5064.000	TM 235300.000	55.120
%RSD		TM 0.292	TM 0.659	0.734
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		152.600	M 2261.000	M 7737.000
%RSD		1.307	M 0.624	M 0.732
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		89.585%	109.900	0.289
%RSD		1.378	0.802	19.540
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		9.293	M 526.300	17.610
%RSD		3.626	M 0.410	0.202
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	3.164	16.080
%RSD		0.000	2.915	75.590
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		28.550	96.218%	M 699.100
%RSD		0.300	0.462	M 0.530
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		34.670	M 2027.000	0.000
%RSD		1.645	M 0.580	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		122.282%	15.530	1.262
%RSD		0.927	0.267	0.535
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 4307.000	121.585%	
%RSD		TM 0.182	0.608	

CCV 12/11/2012 01:58:32 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		61.778%	103.943%	82.827%
%RSD		1.286	0.567	1.548
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬99.106%	104.965%	100.832%
%RSD		┬0.755	1.713	2.251
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	┬107.228%	98.518%
%RSD		0.000	┬0.470	0.431
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬66.308%	69.884%	99.501%
%RSD		┬0.083	1.244	6.514
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		94.809%	97.067%	2.537
%RSD		1.759	0.633	70.000
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬102.977%	┬109.696%	93.240%
%RSD		┬0.217	┬0.347	0.655
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		93.080%	94.026%	103.329%
%RSD		0.123	1.748	2.554
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		71.529%	97.879%	-0.448
%RSD		0.984	1.133	21.840
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		100.377%	101.320%	104.713%
%RSD		2.623	1.029	2.393
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	103.207%	108.700
%RSD		0.000	1.395	40.470
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		108.637%	77.106%	109.337%
%RSD		1.473	0.680	0.943
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		111.222%	105.195%	0.000
%RSD		1.475	0.727	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		96.111%	107.028%	99.463%
%RSD		0.823	0.517	0.214
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		114.394%	88.026%	
%RSD		0.266	0.509	

CCB 12/11/2012 02:05:45 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		62.794%	0.224	17.090
%RSD		0.402	1.283	1.522
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		83.840	106.000	7.480
%RSD		1.559	4.810	12.780
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	77.890	173.900
%RSD		0.000	0.248	2.926
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 68.679%	71.414%	0.428
%RSD		T 0.699	0.471	43.760
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.188	0.175	-5.959
%RSD		100.900	13.680	4.262
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		1.613	75.650	0.171
%RSD		1.943	3.398	6.458
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.258	0.310	0.869
%RSD		31.460	12.050	21.330
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		74.972%	0.084	-0.013
%RSD		0.346	5.328	412.700
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.193	0.394	0.148
%RSD		34.100	6.875	21.160
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.145	-2.769
%RSD		0.000	5.432	70.230
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.222	80.798%	0.404
%RSD		13.420	0.564	4.948
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.323	0.311	0.000
%RSD		3.896	13.680	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		96.253%	0.649	0.503
%RSD		0.813	11.580	7.545
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.522	97.773%	
%RSD		2.126	0.572	

240-18434-b-37-a, 12/11/2012 02:10:46 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		44.813%	4.017	56.210
%RSD		0.669	3.702	0.824
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		929.500	92790.000	M 29260.000
%RSD		0.642	0.492	M 0.477
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3483.000	TM 849700.000
%RSD		0.000	T 0.416	TM 0.268
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 57.113%	67.326%	M 714.700
%RSD		T 1.066	0.634	M 1.893
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		119.200	120.900	3.179
%RSD		0.285	0.602	43.090
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 8409.000	TM 794600.000	68.410
%RSD		TM 0.857	TM 0.808	0.607
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 217.100	M 1842.000	M 5843.000
%RSD		M 0.728	M 1.185	M 0.891
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.629%	M 460.000	0.494
%RSD		1.022	M 1.048	28.820
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		6.022	M 1309.000	30.910
%RSD		3.521	M 0.356	1.907
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	2.455	1.152
%RSD		0.000	1.330	2377.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		28.070	74.894%	M 1287.000
%RSD		2.274	0.458	M 0.950
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		M 527.800	M 962.100	0.000
%RSD		M 0.549	M 0.823	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.795%	16.170	0.531
%RSD		0.683	0.736	2.172
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 45100.000	194.775%	
%RSD		TM 0.350	0.555	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		50.649%	3.619	12.390
%RSD		0.484	1.610	5.044
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		640.900	94010.000	M 21230.000
%RSD		1.394	0.810	M 0.199
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 2276.000	TM 511300.000
%RSD		0.000	T 0.111	TM 0.107
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 62.356%	73.218%	M 579.900
%RSD		T 0.724	0.628	M 0.835
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		131.700	M 309.500	19.750
%RSD		0.416	M 0.606	7.666
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5778.000	TM 707300.000	75.320
%RSD		TM 0.318	TM 0.845	1.134
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 276.800	M 1514.000	TM 11700.000
%RSD		M 0.873	M 0.777	TM 1.746
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		72.214%	M 331.000	0.393
%RSD		0.234	M 0.818	1.877
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.268	M 785.700	27.170
%RSD		7.135	M 0.851	1.170
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.777	-10.940
%RSD		0.000	3.843	132.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		16.160	81.562%	M 1501.000
%RSD		2.632	0.454	M 0.681
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		M 239.400	TM 10490.000	0.000
%RSD		M 0.619	TM 0.482	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		106.425%	9.073	0.679
%RSD		0.930	0.691	1.263
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 21970.000	132.623%	
%RSD		TM 0.334	0.825	

mb 240-67759/1-a, 12/11/2012 02:20:48 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		61.903%	0.055	-18.780
%RSD		0.590	9.735	0.713
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		39.880	46.800	1.456
%RSD		2.209	12.360	90.760
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	22.080	244.200
%RSD		0.000	0.698	1.968
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		₸68.787%	71.540%	1.122
%RSD		₸0.169	0.274	38.060
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.055	0.349	-7.071
%RSD		176.100	4.605	0.323
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		1.570	154.400	0.040
%RSD		2.893	12.640	10.070
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.344	0.783	5.065
%RSD		11.990	8.338	4.883
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		74.724%	0.101	0.255
%RSD		0.282	70.690	20.760
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		-0.015	0.386	-0.003
%RSD		686.600	7.673	3034.000
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.006	1.180
%RSD		0.000	69.250	96.280
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.032	82.673%	17.850
%RSD		44.510	0.315	4.269
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		2.394	1.511	0.000
%RSD		11.510	3.009	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.819%	0.295	0.158
%RSD		0.685	21.170	2.000
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		3.809	100.223%	
%RSD		11.300	0.224	

lcs 240-67759/3-a, 12/11/2012 02:25:50 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		64.230%	M 927.700	65.760
%RSD		0.504	M 0.558	1.125
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		8788.000	9887.000	M 9033.000
%RSD		0.494	0.386	M 0.078
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 9840.000	9384.000
%RSD		0.000	T 0.338	0.163
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 70.177%	74.789%	89.870
%RSD		T 0.286	0.911	3.676
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 841.600	M 890.500	80.600
%RSD		M 0.548	M 0.169	2.880
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 956.300	T 10080.000	M 856.200
%RSD		T 0.134	T 0.276	M 0.465
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 868.700	M 880.200	M 904.100
%RSD		M 0.248	M 0.582	M 0.689
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		77.108%	M 850.400	-2.999
%RSD		0.680	M 0.510	6.380
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 836.100	M 886.000	89.750
%RSD		M 0.273	M 0.521	0.603
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	98.990	625.600
%RSD		0.000	0.753	33.540
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 972.700	83.429%	113.500
%RSD		M 0.519	0.280	3.220
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		97.510	M 953.300	0.000
%RSD		0.653	M 0.861	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		102.728%	91.020	TM 214.000
%RSD		0.877	0.582	TM 0.463
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1021.000	98.182%	
%RSD		TM 0.127	0.896	

240-18434 -b-1-a, 12/11/2012 02:33:05 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		55.400%	2.400	55.060
%RSD		0.462	3.065	2.487
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1020.000	M 173100.000	M 37110.000
%RSD		0.924	M 1.112	M 0.369
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7523.000	TM 1094000.000
%RSD		0.000	T 0.459	TM 0.085
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 66.454%	70.723%	M 555.500
%RSD		T 0.880	0.793	M 0.258
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		85.950	59.510	-1.656
%RSD		0.578	1.124	37.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4548.000	TM 110900.000	38.490
%RSD		TM 0.080	TM 0.718	0.871
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		73.390	107.700	M 357.100
%RSD		1.785	1.654	M 0.978
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		66.846%	46.070	0.382
%RSD		1.456	1.110	9.281
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.355	M 1782.000	10.670
%RSD		10.570	M 0.711	0.399
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.179	-0.150
%RSD		0.000	6.010	1756.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.255	77.156%	12.350
%RSD		1.499	1.150	0.958
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		3.396	M 360.500	0.000
%RSD		4.528	M 0.748	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.768%	0.998	1.817
%RSD		1.489	8.865	2.074
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		M 269.600	78.338%	
%RSD		M 0.426	1.304	

SD 240-18434 -b-1-a@5, 12/11/2012 02:38:14 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		65.139%	0.565	-1.902
%RSD		0.621	3.773	57.790
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		226.900	39810.000	M 8295.000
%RSD		3.011	0.546	M 0.422
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 1570.000	TM 230800.000
%RSD		0.000	T 0.147	TM 0.111
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 69.785%	72.254%	118.700
%RSD		T 0.532	0.935	3.341
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		18.080	12.800	-4.223
%RSD		1.736	2.079	1.345
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 987.800	T 23610.000	8.267
%RSD		T 0.486	T 0.509	2.565
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		16.910	24.800	88.300
%RSD		1.867	1.352	1.360
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		73.055%	9.810	0.102
%RSD		0.408	1.635	54.310
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.202	M 349.200	1.787
%RSD		21.480	M 1.301	5.286
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.046	-2.810
%RSD		0.000	18.550	94.890
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.303	79.835%	2.806
%RSD		23.210	0.273	1.387
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		1.073	75.890	0.000
%RSD		7.912	0.074	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.815%	0.278	0.532
%RSD		0.833	7.940	3.077
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		64.130	89.302%	
%RSD		0.235	0.846	

240-18434 -b-1-d ms, 12/11/2012 02:43:15 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		55.506%	M 806.200	148.900
%RSD		0.608	M 0.523	1.429
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		8857.000	M 184600.000	M 64070.000
%RSD		0.918	M 0.384	M 0.792
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 21910.000	TM 804300.000
%RSD		0.000	T 0.597	TM 0.501
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 63.695%	68.993%	M 883.300
%RSD		T 0.857	1.668	M 1.900
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 943.400	M 924.600	77.830
%RSD		M 0.794	M 0.848	5.961
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5428.000	TM 135000.000	M 837.600
%RSD		TM 0.575	TM 0.345	M 0.825
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 847.500	M 878.300	M 1205.000
%RSD		M 0.691	M 0.511	M 1.004
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		64.527%	M 880.700	-2.701
%RSD		1.835	M 0.506	10.830
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 798.700	M 2364.000	104.600
%RSD		M 0.464	M 0.083	0.790
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	82.070	711.300
%RSD		0.000	0.402	10.430
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 860.400	76.036%	100.400
%RSD		M 0.343	0.936	0.951
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		38.030	M 1414.000	0.000
%RSD		1.613	M 0.481	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.777%	69.180	TM 224.000
%RSD		1.725	0.146	TM 0.406
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1188.000	79.201%	
%RSD		TM 0.466	1.212	

240-18434 -b-1-e msd, 12/11/2012 02:50:31 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		53.095%	M 809.400	126.500
%RSD		0.444	M 0.446	1.573
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		9247.000	M 221800.000	M 54070.000
%RSD		0.485	M 0.257	M 0.591
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 18630.000	TM 1053000.000
%RSD		0.000	T 0.524	TM 0.549
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 62.033%	66.833%	M 610.600
%RSD		T 1.125	1.908	M 1.966
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		M 921.900	M 911.000	78.720
%RSD		M 0.892	M 0.737	5.683
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5668.000	TM 117800.000	M 824.900
%RSD		TM 0.414	TM 0.149	M 0.566
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		M 826.800	M 844.000	M 1124.000
%RSD		M 0.324	M 0.580	M 0.328
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		62.480%	M 875.500	-2.056
%RSD		1.589	M 0.258	50.280
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		M 793.400	M 2216.000	103.500
%RSD		M 1.076	M 0.161	0.715
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	79.980	444.700
%RSD		0.000	0.591	42.930
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		M 844.900	74.642%	98.230
%RSD		M 0.123	1.054	0.444
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		35.700	M 1362.000	0.000
%RSD		0.266	M 0.314	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		98.035%	73.390	TM 225.300
%RSD		1.561	0.434	TM 0.200
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1154.000	76.173%	
%RSD		TM 0.160	1.356	

240-18434 -b-2-a, 12/11/2012 02:57:47 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		51.025%	2.394	32.790
%RSD		0.617	2.000	7.233
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		990.000	M 212000.000	M 29710.000
%RSD		1.074	M 0.662	M 0.901
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5849.000	TM 1587000.000
%RSD		0.000	T 0.646	TM 0.352
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 58.638%	62.714%	M 566.800
%RSD		T 0.618	1.726	M 1.347
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		78.490	64.940	0.509
%RSD		1.284	1.228	182.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5077.000	TM 111100.000	38.110
%RSD		TM 0.409	TM 0.290	0.733
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		77.600	125.100	M 425.800
%RSD		1.222	0.572	M 0.246
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		56.846%	51.260	0.390
%RSD		0.948	0.828	12.660
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.045	M 1864.000	15.160
%RSD		21.230	M 0.290	1.531
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.208	-25.180
%RSD		0.000	3.501	67.970
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.881	70.174%	16.780
%RSD		9.929	1.275	0.714
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		4.953	M 371.700	0.000
%RSD		1.869	M 1.034	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		91.661%	4.821	2.320
%RSD		1.615	0.538	2.229
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 434.300	69.139%	
%RSD		TM 0.194	1.772	

240-18434-b-3-a, 12/11/2012 03:03:01 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		51.407%	4.922	84.570
%RSD		0.584	1.022	1.495
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1656.000	M 372000.000	M 42170.000
%RSD		0.539	M 0.629	M 0.357
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 6584.000	TM 1194000.000
%RSD		0.000	T 0.377	TM 0.227
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 59.433%	64.430%	M 947.400
%RSD		T 0.968	0.835	M 1.887
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		88.890	86.670	1.681
%RSD		0.475	0.106	76.030
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 6420.000	TM 128200.000	34.270
%RSD		TM 0.158	TM 0.972	0.127
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		80.720	187.600	M 614.000
%RSD		1.354	0.730	M 1.092
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		58.387%	74.740	0.400
%RSD		0.917	0.745	42.310
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		6.240	M 1416.000	15.760
%RSD		3.846	M 0.796	2.525
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.344	-15.060
%RSD		0.000	2.183	56.580
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.592	70.230%	30.160
%RSD		3.111	1.072	1.112
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		13.910	M 622.400	0.000
%RSD		1.091	M 0.691	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		95.397%	4.371	1.804
%RSD		1.194	1.053	0.761
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 960.700	72.063%	
%RSD		TM 0.585	1.033	

CCV 12/11/2012 03:08:12 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		65.661%	104.190%	82.024%
%RSD		0.652	0.467	2.363
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		T 99.997%	103.807%	102.229%
%RSD		T 0.540	0.706	1.722
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	T 105.238%	97.203%
%RSD		0.000	T 0.732	0.258
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 68.039%	70.552%	104.475%
%RSD		T 0.317	0.650	3.508
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		96.211%	97.658%	4.672
%RSD		1.211	0.663	36.270
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		T 101.870%	T 109.592%	94.401%
%RSD		T 0.346	T 0.313	0.174
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		94.337%	94.514%	101.775%
%RSD		0.554	0.847	0.823
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		71.847%	98.601%	-0.422
%RSD		0.601	1.296	40.540
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		101.763%	103.152%	103.830%
%RSD		1.328	0.517	1.253
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	103.441%	22.510
%RSD		0.000	0.524	212.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		107.740%	77.210%	107.824%
%RSD		0.397	0.106	0.360
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		110.754%	106.915%	0.000
%RSD		0.471	1.045	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		94.643%	106.193%	99.180%
%RSD		0.778	0.736	0.668
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		114.242%	86.427%	
%RSD		0.304	0.957	

CCB 12/11/2012 03:15:26 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		62.710%	0.244	18.410
%RSD		0.531	5.938	0.499
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		92.040	117.600	7.823
%RSD		3.981	5.584	13.450
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	84.040	209.900
%RSD		0.000	1.832	2.460
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 67.535%	67.420%	0.622
%RSD		T 0.605	0.587	68.720
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.310	0.228	-4.559
%RSD		27.000	6.037	2.588
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		1.851	84.670	0.226
%RSD		1.333	1.150	0.926
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.395	0.360	0.702
%RSD		12.470	22.290	14.180
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		71.670%	0.202	-0.006
%RSD		0.990	26.480	1221.000
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.244	0.493	0.225
%RSD		69.800	5.478	30.940
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.177	-1.098
%RSD		0.000	6.689	285.900
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.274	77.716%	0.291
%RSD		12.620	0.365	16.840
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.400	0.338	0.000
%RSD		6.041	22.620	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		91.678%	0.673	0.670
%RSD		0.566	7.811	3.428
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.620	93.373%	
%RSD		3.395	0.569	

240-18434 -b-4-a, 12/11/2012 03:20:27 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		48.912%	7.526	83.540
%RSD		0.599	1.458	0.959
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2260.000	M 346300.000	M 54350.000
%RSD		0.475	M 0.372	M 0.620
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7535.000	TM 1414000.000
%RSD		0.000	T 0.150	TM 0.268
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 57.668%	61.225%	M 1400.000
%RSD		T 0.787	1.020	M 0.735
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		88.260	91.250	3.579
%RSD		0.422	0.520	18.740
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 10890.000	TM 137100.000	31.290
%RSD		TM 0.083	TM 1.069	1.309
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		82.950	181.400	M 546.300
%RSD		1.623	0.493	M 0.577
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		55.488%	77.410	0.372
%RSD		0.670	0.816	2.921
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		7.104	M 2193.000	11.840
%RSD		9.818	M 1.330	1.384
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.311	-42.180
%RSD		0.000	4.980	29.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.886	67.785%	34.030
%RSD		5.360	1.109	0.727
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		14.310	M 782.400	0.000
%RSD		1.595	M 0.633	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		90.786%	3.896	1.488
%RSD		1.718	1.848	0.343
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 942.200	68.817%	
%RSD		TM 0.504	1.649	

240-18434 -b-5-a, 12/11/2012 03:25:33 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.073%	5.243	49.230
%RSD		0.523	1.876	3.542
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		949.000	M 208400.000	M 58070.000
%RSD		1.358	M 0.687	M 0.894
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 9352.000	TM 444500.000
%RSD		0.000	T 0.805	TM 0.344
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 60.109%	63.940%	M 679.500
%RSD		T 0.251	1.392	M 1.635
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		132.500	117.300	5.037
%RSD		0.761	0.623	34.380
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4810.000	TM 168400.000	52.970
%RSD		TM 0.205	TM 0.295	0.109
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		116.000	M 748.500	M 1474.000
%RSD		1.368	M 0.531	M 0.406
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		61.390%	104.200	0.524
%RSD		0.175	0.540	15.950
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		6.810	M 547.600	11.620
%RSD		14.790	M 0.568	0.928
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.890	-13.200
%RSD		0.000	7.023	42.190
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		4.552	71.894%	84.870
%RSD		6.018	0.518	0.848
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		49.560	M 871.100	0.000
%RSD		1.504	M 0.627	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		100.166%	2.045	1.811
%RSD		0.892	2.413	0.685
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1706.000	85.218%	
%RSD		TM 0.467	0.853	

240-18434-b-6-a, 12/11/2012 03:30:35 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		52.482%	3.816	31.340
%RSD		0.306	3.032	5.272
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		777.600	M 237700.000	M 41390.000
%RSD		1.240	M 0.366	M 0.412
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 6692.000	TM 776000.000
%RSD		0.000	T 0.383	TM 0.228
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 59.647%	63.315%	M 518.700
%RSD		T 0.545	1.194	M 0.415
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		106.000	78.730	0.912
%RSD		0.674	0.791	152.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4338.000	TM 135000.000	43.720
%RSD		TM 0.110	TM 0.282	0.163
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		91.860	M 417.900	M 639.100
%RSD		0.689	M 0.516	M 0.603
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		60.114%	59.670	0.401
%RSD		1.666	1.876	24.870
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.022	M 828.700	10.240
%RSD		13.770	M 0.337	1.915
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.679	-4.563
%RSD		0.000	1.050	277.800
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.685	70.881%	45.280
%RSD		7.744	1.397	0.657
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		20.250	M 567.600	0.000
%RSD		1.816	M 0.472	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		97.222%	1.388	1.575
%RSD		1.444	1.839	0.964
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1015.000	78.220%	
%RSD		TM 0.174	1.582	

240-18434 -b-7-a, 12/11/2012 03:35:36 QC Status: PASS (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		50.389%	2.605	79.600
%RSD		0.614	3.201	1.437
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1520.000	M 531700.000	M 28480.000
%RSD		1.179	M 0.797	M 0.352
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5709.000	TM 1247000.000
%RSD		0.000	T 0.397	TM 0.267
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 58.973%	61.375%	M 497.200
%RSD		T 0.738	0.444	M 1.398
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		76.850	52.550	-1.798
%RSD		0.436	0.301	34.760
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3203.000	TM 106200.000	28.910
%RSD		TM 0.100	TM 0.508	1.094
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		62.060	M 222.000	M 358.000
%RSD		0.464	M 0.967	M 0.894
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		54.724%	98.640	0.306
%RSD		1.571	1.568	38.300
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		2.498	M 1302.000	11.170
%RSD		14.620	M 0.925	2.755
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.565	-13.530
%RSD		0.000	3.474	31.210
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.125	66.874%	31.630
%RSD		12.300	1.367	0.976
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		11.990	M 464.000	0.000
%RSD		2.451	M 0.820	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		90.110%	1.084	1.370
%RSD		1.038	2.305	2.176
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 466.900	68.078%	
%RSD		TM 0.418	1.217	

240-18434-b-8-a, 12/11/2012 03:40:37 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		53.591%	12.680	98.830
%RSD		1.074	1.789	1.274
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1685.000	M 101300.000	M 44100.000
%RSD		0.518	M 0.706	M 0.112
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7490.000	TM 207800.000
%RSD		0.000	T 0.302	TM 0.332
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 59.269%	62.817%	M 1976.000
%RSD		T 0.430	1.237	M 0.922
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		161.300	85.940	3.285
%RSD		0.270	0.830	28.750
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 2408.000	TM 137200.000	48.470
%RSD		TM 0.454	TM 0.220	0.681
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		104.100	M 777.700	M 784.400
%RSD		1.086	M 0.543	M 0.336
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		61.665%	99.910	0.339
%RSD		0.667	0.756	22.120
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		8.421	M 463.100	13.590
%RSD		9.627	M 0.456	0.727
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.529	-17.750
%RSD		0.000	3.282	72.710
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.055	71.295%	31.350
%RSD		4.268	0.852	0.271
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		152.100	M 1040.000	0.000
%RSD		0.569	M 0.157	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		99.208%	4.830	2.796
%RSD		1.093	1.168	0.730
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 2371.000	89.396%	
%RSD		TM 0.350	0.840	

240-18434-b-13-a, 12/11/2012 03:45:39 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		51.051%	4.144	35.050
%RSD		0.709	3.745	3.233
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		645.600	M 143500.000	M 47320.000
%RSD		0.710	M 0.869	M 0.772
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7277.000	TM 566100.000
%RSD		0.000	T 0.780	TM 0.620
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 57.708%	61.509%	M 708.400
%RSD		T 0.673	0.807	M 1.100
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		119.000	93.470	1.190
%RSD		0.515	0.316	96.400
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 5223.000	TM 158800.000	54.400
%RSD		TM 0.423	TM 0.973	1.457
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		117.500	M 374.900	M 599.300
%RSD		0.943	M 0.662	M 0.860
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		60.165%	67.850	0.510
%RSD		1.197	1.080	20.230
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.849	M 872.200	10.150
%RSD		3.227	M 0.983	1.954
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.401	-9.118
%RSD		0.000	4.021	124.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.220	70.518%	36.550
%RSD		4.144	1.448	1.076
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		16.250	M 603.600	0.000
%RSD		1.204	M 0.361	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		96.800%	2.143	1.598
%RSD		1.078	1.487	0.553
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 932.600	80.039%	
%RSD		TM 0.218	0.993	

240-18434-b-14-a, 12/11/2012 03:50:43 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		50.693%	4.514	54.510
%RSD		0.161	2.147	1.450
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		822.300	M 283700.000	M 45940.000
%RSD		1.581	M 1.413	M 1.361
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 7957.000	TM 682700.000
%RSD		0.000	T 0.143	TM 0.419
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 57.730%	61.157%	M 657.000
%RSD		T 0.420	1.262	M 2.844
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		123.900	86.520	2.411
%RSD		1.142	0.556	33.180
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 4351.000	TM 145800.000	48.250
%RSD		TM 0.289	TM 1.395	0.597
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		99.770	M 407.600	M 627.500
%RSD		1.568	M 1.430	M 1.573
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		57.749%	70.830	0.459
%RSD		1.105	1.237	11.790
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		7.277	M 718.100	11.020
%RSD		10.040	M 1.072	1.809
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.485	-22.960
%RSD		0.000	3.096	41.470
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.275	69.032%	42.460
%RSD		0.911	0.747	0.765
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		17.070	M 664.200	0.000
%RSD		1.978	M 0.665	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		96.986%	1.863	1.612
%RSD		1.142	0.785	0.377
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1005.000	76.825%	
%RSD		TM 0.140	1.177	

240-18434-b-15-a, 12/11/2012 03:55:45 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		50.457%	4.195	57.740
%RSD		1.079	0.806	0.078
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		789.000	M 264000.000	M 41080.000
%RSD		1.204	M 0.820	M 0.454
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 6842.000	TM 611700.000
%RSD		0.000	T 0.125	TM 0.089
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 57.085%	59.889%	M 709.100
%RSD		T 0.444	1.229	M 0.880
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		111.300	72.840	-1.359
%RSD		0.766	0.470	73.570
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3540.000	TM 124500.000	37.620
%RSD		TM 0.108	TM 0.523	1.427
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		77.700	M 253.800	M 579.000
%RSD		0.181	M 0.172	M 0.777
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		58.388%	59.720	0.272
%RSD		1.452	0.576	45.390
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.985	M 616.900	7.625
%RSD		12.580	M 0.607	2.442
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.376	-13.310
%RSD		0.000	8.515	86.310
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		2.750	68.965%	25.660
%RSD		1.682	1.181	0.651
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		13.020	M 569.700	0.000
%RSD		0.231	M 0.506	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		94.264%	1.353	1.214
%RSD		1.751	0.327	1.057
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 1123.000	78.899%	
%RSD		TM 0.476	1.367	

240-18434-b-16-a, 12/11/2012 04:00:46 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		46.027%	0.949	M 213.200
%RSD		0.510	5.063	M 0.361
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2051.000	M 1096000.000	M 9502.000
%RSD		0.654	M 0.506	M 0.669
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3186.000	TM 2013000.000
%RSD		0.000	T 0.641	TM 0.187
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 55.491%	57.593%	M 202.100
%RSD		T 0.547	1.498	M 4.707
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		40.200	57.170	-1.020
%RSD		0.540	1.444	65.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1428.000	TM 63600.000	7.516
%RSD		TM 0.064	TM 0.484	2.151
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		20.010	45.200	93.060
%RSD		2.342	0.564	1.386
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		49.529%	41.220	0.356
%RSD		1.786	1.726	34.300
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		1.399	M 945.900	2.625
%RSD		17.580	M 0.664	4.627
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.065	-4.875
%RSD		0.000	5.603	195.200
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.703	62.142%	12.020
%RSD		8.669	1.195	1.244
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		4.231	155.400	0.000
%RSD		5.339	0.414	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		80.664%	0.687	0.774
%RSD		1.486	1.327	2.942
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		198.400	56.817%	
%RSD		0.535	1.225	

240-18434-b-17-a, 12/11/2012 04:05:51 QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		43.631%	1.088	M 229.900
%RSD		0.371	3.611	M 1.302
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		2196.000	M 1171000.000	M 9909.000
%RSD		1.056	M 0.841	M 1.208
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 3354.000	TM 2141000.000
%RSD		0.000	T 0.525	TM 0.295
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 52.543%	55.189%	M 196.600
%RSD		T 0.443	1.794	M 2.415
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		37.180	56.920	-0.557
%RSD		1.191	1.018	214.700
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 1415.000	TM 66350.000	8.080
%RSD		TM 0.236	TM 0.283	2.088
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		20.740	49.190	82.020
%RSD		3.236	1.256	2.149
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		47.436%	40.950	0.404
%RSD		1.091	1.816	29.400
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.903	M 996.200	2.872
%RSD		25.300	M 1.164	6.715
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.089	-12.510
%RSD		0.000	9.736	51.150
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.595	59.931%	10.110
%RSD		12.140	1.358	2.022
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		4.038	145.300	0.000
%RSD		3.511	0.311	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		77.858%	0.899	0.761
%RSD		1.179	3.055	0.719
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		M 239.800	54.974%	
%RSD		M 0.686	1.391	

CCV 12/11/2012 04:10:52 QC Status: FAIL (Initial: FAIL)

User Pre -dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		58.549%	106.414%	81.701%
%RSD		0.854	1.287	0.999
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		┬95.396%	105.428%	108.002%
%RSD		┬2.530	1.627	3.802
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	┬104.050%	96.837%
%RSD		0.000	┬0.192	0.412
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		┬61.480%	61.764%	105.744%
%RSD		┬0.586	1.433	1.176
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		95.015%	96.380%	5.429
%RSD		1.117	0.695	23.100
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		┬100.793%	┬108.693%	92.701%
%RSD		┬0.046	┬0.300	0.510
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		93.002%	91.959%	99.588%
%RSD		0.787	0.959	2.893
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		64.483%	96.788%	-0.540
%RSD		0.325	1.143	22.770
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		100.555%	103.728%	102.262%
%RSD		1.116	1.381	0.594
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	100.750%	23.660
%RSD		0.000	0.090	135.100
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		106.590%	69.854%	107.327%
%RSD		0.727	0.304	1.164
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		111.459%	107.539%	0.000
%RSD		1.451	0.774	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		85.495%	104.915%	98.479%
%RSD		1.218	0.258	0.425
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		114.493%	78.707%	
%RSD		0.566	0.291	

CCB 12/11/2012 04:18:06 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		57.254%	0.248	18.100
%RSD		0.999	6.924	3.123
Run	Time	23Na	25Mg	27Al
		ppb	ppb	ppb
x		94.910	129.900	9.857
%RSD		2.919	5.221	19.460
Run	Time	35Cl	39K	43Ca
		ppb	ppb	ppb
x		0.000	97.230	303.400
%RSD		0.000	1.026	0.774
Run	Time	45Sc	45Sc	47Ti
		ppb	ppb	ppb
x		T 61.909%	60.382%	0.506
%RSD		T 0.266	0.118	78.070
Run	Time	51V	52Cr	53Cl O
		ppb	ppb	ppb
x		0.366	0.254	-4.365
%RSD		43.310	8.737	2.014
Run	Time	55Mn	56Fe	59Co
		ppb	ppb	ppb
x		2.043	88.220	0.210
%RSD		2.230	1.299	6.466
Run	Time	60Ni	65Cu	66Zn
		ppb	ppb	ppb
x		0.291	0.275	0.939
%RSD		39.230	13.560	15.680
Run	Time	72Ge	75As	77Ar Cl
		ppb	ppb	ppb
x		64.091%	0.349	-0.042
%RSD		0.614	22.950	85.160
Run	Time	78Se	88Sr	95Mo
		ppb	ppb	ppb
x		0.268	0.565	0.116
%RSD		140.200	5.336	33.670
Run	Time	105Pd	107Ag	108Mo O
		ppb	ppb	ppb
x		0.000	0.176	1.504
%RSD		0.000	14.540	168.500
Run	Time	111Cd	115In	118Sn
		ppb	ppb	ppb
x		0.245	70.096%	0.304
%RSD		25.030	0.636	14.330
Run	Time	121Sb	137Ba	159Tb
		ppb	ppb	ppb
x		0.302	0.468	0.000
%RSD		15.730	9.897	0.000
Run	Time	165Ho	182W	205Tl
		ppb	ppb	ppb
x		83.469%	0.650	0.531
%RSD		0.404	7.160	2.723
Run	Time	208Pb	209Bi	
		ppb	ppb	
x		0.648	84.001%	
%RSD		2.348	0.317	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		50.022%	2.334	27.570
%RSD		0.247	0.818	2.778
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		829.300	M 247200.000	M 32550.000
%RSD		1.219	M 1.033	M 1.316
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 4723.000	TM 634600.000
%RSD		0.000	T 0.461	TM 0.403
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 55.907%	56.614%	M 494.400
%RSD		T 0.512	1.467	M 2.400
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		109.700	68.190	1.255
%RSD		0.503	0.758	87.550
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3834.000	TM 91860.000	35.750
%RSD		TM 0.382	TM 0.367	0.093
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		86.860	M 255.900	M 429.200
%RSD		1.341	M 1.009	M 0.929
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		53.649%	57.550	0.348
%RSD		0.805	0.440	22.830
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		3.813	M 573.600	8.328
%RSD		19.290	M 0.766	2.582
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.319	-4.368
%RSD		0.000	4.049	124.000
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.590	64.276%	21.320
%RSD		1.721	0.560	2.476
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		22.600	M 422.500	0.000
%RSD		2.422	M 0.997	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		85.614%	2.835	1.378
%RSD		1.121	1.638	1.347
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 709.800	62.669%	
%RSD		TM 0.421	1.328	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		47.306%	3.077	48.600
%RSD		1.173	4.045	2.613
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		1014.000	M 352600.000	M 38050.000
%RSD		0.407	M 0.508	M 0.437
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5782.000	TM 958500.000
%RSD		0.000	T 0.305	TM 0.201
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 54.347%	55.298%	M 718.000
%RSD		T 0.881	0.987	M 1.703
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		116.600	81.750	1.521
%RSD		1.160	0.275	139.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3690.000	TM 120800.000	40.130
%RSD		TM 0.137	TM 0.293	0.505
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		89.130	M 370.400	M 560.600
%RSD		2.187	M 0.653	M 0.716
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		51.602%	61.280	0.378
%RSD		1.536	1.213	11.060
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.581	M 896.600	8.504
%RSD		20.130	M 0.494	1.734
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.368	-19.410
%RSD		0.000	9.204	53.600
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.713	62.799%	33.970
%RSD		9.344	1.348	0.667
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		12.810	M 538.800	0.000
%RSD		0.974	M 0.356	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		85.658%	2.240	1.313
%RSD		1.147	2.167	0.992
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 898.900	67.934%	
%RSD		TM 0.134	1.139	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		46.897%	2.571	33.620
%RSD		0.623	3.986	3.266
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		974.000	M 280000.000	M 30500.000
%RSD		2.025	M 0.476	M 0.481
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5539.000	TM 992300.000
%RSD		0.000	T 0.220	TM 0.089
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 53.772%	55.233%	M 526.600
%RSD		T 0.558	1.412	M 2.017
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		112.200	61.330	-0.150
%RSD		1.143	1.867	961.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3028.000	TM 89300.000	34.040
%RSD		TM 0.200	TM 0.528	2.322
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		87.670	M 308.200	M 436.000
%RSD		3.036	M 2.132	M 2.047
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		51.299%	45.330	0.476
%RSD		2.718	2.351	27.450
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		4.132	M 1005.000	10.090
%RSD		15.170	M 0.959	5.947
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.314	-7.754
%RSD		0.000	6.897	126.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		1.522	62.366%	26.490
%RSD		5.160	1.034	1.693
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		10.830	M 384.400	0.000
%RSD		2.119	M 0.774	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		85.628%	1.782	1.292
%RSD		1.589	1.027	2.405
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 669.600	60.666%	
%RSD		TM 0.473	1.210	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		47.663%	5.602	42.700
%RSD		0.266	2.966	0.779
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		811.800	M 265700.000	M 45570.000
%RSD		0.488	M 0.085	M 0.436
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 5748.000	TM 637400.000
%RSD		0.000	T 0.120	TM 0.382
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 54.427%	56.481%	M 720.100
%RSD		T 0.878	1.158	M 0.979
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		122.000	83.410	1.898
%RSD		1.171	0.988	50.270
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		TM 3615.000	TM 144600.000	53.550
%RSD		TM 0.237	TM 0.218	0.955
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		125.200	M 1450.000	M 1573.000
%RSD		1.118	M 0.961	M 1.045
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		52.789%	102.400	0.520
%RSD		1.345	1.165	31.890
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		5.701	M 764.700	11.330
%RSD		8.574	M 0.510	2.411
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.829	-14.990
%RSD		0.000	2.689	118.400
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		4.151	64.010%	M 202.300
%RSD		1.390	0.947	M 0.502
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		87.340	M 805.500	0.000
%RSD		0.899	M 0.309	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		87.982%	8.032	1.816
%RSD		1.616	0.912	1.150
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		TM 4026.000	81.993%	
%RSD		TM 0.611	0.387	

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		54.967%	107.254%	78.371%
%RSD		0.157	0.381	0.453
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		92.293%	104.319%	106.638%
%RSD		0.452	0.510	2.958
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	T 104.031%	97.335%
%RSD		0.000	T 0.267	0.583
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 59.318%	59.018%	103.267%
%RSD		T 0.353	0.974	8.480
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		95.895%	96.016%	3.418
%RSD		0.558	0.554	27.560
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		T 100.753%	T 107.992%	92.937%
%RSD		T 0.219	T 0.131	0.517
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		92.816%	92.604%	99.805%
%RSD		1.080	0.934	1.489
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		60.918%	98.464%	-0.645
%RSD		0.322	0.442	25.470
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		103.777%	104.449%	102.963%
%RSD		1.948	1.074	0.847
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	101.114%	101.100
%RSD		0.000	0.529	69.290
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		107.788%	67.247%	108.225%
%RSD		0.663	0.484	0.123
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		111.237%	108.145%	0.000
%RSD		0.880	0.624	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		83.488%	105.148%	98.382%
%RSD		0.773	0.067	0.461
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		115.747%	76.646%	
%RSD		0.135	0.550	

CCB 14 12/11/2012 04:50:29 QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B
		ppb	ppb	ppb
x		53.732%	0.284	19.420
%RSD		0.844	4.132	1.886
Run	**Time**	**23Na**	**25Mg**	**27Al**
		ppb	ppb	ppb
x		104.700	175.500	10.470
%RSD		5.467	5.999	20.280
Run	**Time**	**35Cl**	**39K**	**43Ca**
		ppb	ppb	ppb
x		0.000	105.900	356.800
%RSD		0.000	1.583	3.028
Run	**Time**	**45Sc**	**45Sc**	**47Ti**
		ppb	ppb	ppb
x		T 58.896%	56.999%	0.468
%RSD		T 0.588	0.555	49.390
Run	**Time**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb
x		0.354	0.241	-5.002
%RSD		47.020	11.630	4.500
Run	**Time**	**55Mn**	**56Fe**	**59Co**
		ppb	ppb	ppb
x		2.330	98.240	0.256
%RSD		2.380	2.006	8.973
Run	**Time**	**60Ni**	**65Cu**	**66Zn**
		ppb	ppb	ppb
x		0.280	0.446	0.948
%RSD		14.070	14.660	4.243
Run	**Time**	**72Ge**	**75As**	**77Ar Cl**
		ppb	ppb	ppb
x		61.365%	0.293	-0.055
%RSD		0.183	26.290	64.830
Run	**Time**	**78Se**	**88Sr**	**95Mo**
		ppb	ppb	ppb
x		0.251	0.623	0.150
%RSD		22.060	7.861	35.820
Run	**Time**	**105Pd**	**107Ag**	**108Mo O**
		ppb	ppb	ppb
x		0.000	0.207	0.615
%RSD		0.000	4.942	546.300
Run	**Time**	**111Cd**	**115In**	**118Sn**
		ppb	ppb	ppb
x		0.276	68.332%	0.334
%RSD		19.310	0.170	13.270
Run	**Time**	**121Sb**	**137Ba**	**159Tb**
		ppb	ppb	ppb
x		0.441	0.452	0.000
%RSD		10.180	29.080	0.000
Run	**Time**	**165Ho**	**182W**	**205Tl**
		ppb	ppb	ppb
x		81.651%	0.671	0.532
%RSD		0.393	10.000	4.478
Run	**Time**	**208Pb**	**209Bi**	
		ppb	ppb	
x		0.764	83.077%	
%RSD		1.403	0.193	

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : CORP-MT-0005 Rev 1 7471: CORP-MT-0007 Rev 1

Run Date: 11/27/12 Analyst: DSH Instrument: H1

Review Items A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?			✓	
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			
D. Other				
1. Are all nonconformances documented appropriately?			✓	
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I Analyst: [signature] Date/Time: 11/27/12 Lines 1-68

Level I Analyst: _____ Date/Time: _____

Comments: Batch # 66485

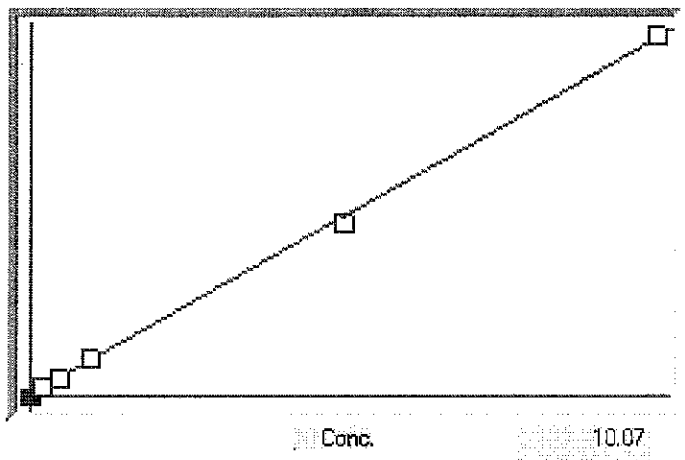
2nd Level Reviewer: [signature] Date/Time: 11/27/12 10:16 -13:54

2nd Level Reviewer: _____ Date/Time: _____

Curve Date 11/26/12 Curve Time 3:09-5:00p DILUTION H20 N/A

Revised 06/1/2011

Protocol: 1127AHG1



Calibrated
Accepted

A
B 2.71234e-4
C -9.42696e-3
Rhc .999798

Accepted Date: 27-Nov-12 10:29

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	-.0010	-.0010	31	0	31				
02	.20000	.2401	.0401	920	0%	920				
03	.50000	.5073	.0073	1905	0%	1905				
04	1.0000	1.040	.0397	3868	0%	3868				
05	5.0000	4.845	-.1554	17897	0%	17896				
06	10.000	10.07	.0694	37159	0%	37159				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		10:16:33 27 Nov 12			HG
Hg	.0000	ppb	31						
*** Standard: 2 Rep: 1				Seq: 2		10:18:48 27 Nov 12			HG
Hg	.2000	ppb	920						
*** Standard: 3 Rep: 1				Seq: 3		10:21:05 27 Nov 12			HG
Hg	.5000	ppb	1905						
*** Standard: 4 Rep: 1				Seq: 4		10:23:21 27 Nov 12			HG
Hg	1.000	ppb	3868						
*** Standard: 5 Rep: 1				Seq: 5		10:25:36 27 Nov 12			HG
Hg	5.000	ppb	17896						
*** Standard: 6 Rep: 1				Seq: 6		10:28:00 27 Nov 12			HG
Hg	10.00	ppb	37159						

*** Check Standard: 2 Ck2ICV Seq: 7 10:32:42 27 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.99	2.375	2.500	ppb	.0000

*** Check Standard: 3 Ck3ICB Seq: 8 10:34:58 27 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		^^^^^^	-.0205	.0000	ppb	.0000

*** Check Standard: 4 Ck4CRA\MRL Seq: 9 10:37:13 27 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		83.17	.1663	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 10 11:33:50 27 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.79	4.989	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 11 11:36:06 27 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0254	.2000	ppb	.0000

*** Sample ID: MB 240-66226/1-B			Seq: 12	11:38:30 27 Nov 12		HG
Hg	.0215	ppb	.0000	.0215		
*** Sample ID: LCS 240-66226/2-B			Seq: 13	11:40:54 27 Nov 12		HG
Hg	5.056	ppb	.0000	5.056		
*** Sample ID: 240-17175-F-2-B			Seq: 14	11:43:09 27 Nov 12		HG
Hg	-.0162	ppb	.0000	-.0162		
*** Sample ID: 240-17175-F-2-C MS			Seq: 15	11:45:24 27 Nov 12		HG
Hg	.9757	ppb	.0000	.9757		
*** Sample ID: 240-17175-F-2-D MSD			Seq: 16	11:47:46 27 Nov 12		HG
Hg	.9673	ppb	.0000	.9673		

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 17	11:51:08 27 Nov 12	HG		
				240-17251-D-10-I				
Hg	.0166	ppb	.0000	.0166				
*** Sample ID:				Seq: 18	11:53:24 27 Nov 12	HG		
				240-17175-D-6-I				
Hg	-.0062	ppb	.0000	-.0062				
*** Sample ID:				Seq: 19	11:55:58 27 Nov 12	HG		
				240-17251-E-12-I				
Hg	.0334	ppb	.0000	.0334				
*** Sample ID:				Seq: 20	11:58:23 27 Nov 12	HG		
				240-17251-D-8-I				
Hg	.0109	ppb	.0000	.0109				
*** Sample ID:				Seq: 21	12:00:47 27 Nov 12	HG		
				240-17175-D-8-I				
Hg	.0161	ppb	.0000	.0161				

*** Check Standard: 6 Ck6CCV Seq: 22 12:03:02 27 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.0	5.151	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 23 12:05:25 27 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0159	.2000	ppb	.0000

*** Sample ID:				Seq: 24	12:07:40 27 Nov 12	HG		
				240-17251-D-7-I				
Hg	.0144	ppb	.0000	.0144				
*** Sample ID:				Seq: 25	12:10:02 27 Nov 12	HG		
				240-17251-D-3-I				
Hg	-.0013	ppb	.0000	-.0013				
*** Sample ID:				Seq: 26	12:12:18 27 Nov 12	HG		
				240-17175-D-3-I				
Hg	.0277	ppb	.0000	.0277				
*** Sample ID:				Seq: 27	12:14:44 27 Nov 12	HG		
				240-17251-D-1-I				
Hg	.0397	ppb	.0000	.0397				
*** Sample ID:				Seq: 28	12:17:07 27 Nov 12	HG		
				240-17251-E-13-I				
Hg	.0280	ppb	.0000	.0280				
*** Sample ID:				Seq: 29	12:19:22 27 Nov 12	HG		
				240-17251-E-11-I				
Hg	.0546	ppb	.0000	.0546				
*** Sample ID:				Seq: 30	12:21:38 27 Nov 12	HG		
				240-17251-D-9-I				
Hg	.0288	ppb	.0000	.0288				
*** Sample ID:				Seq: 31	12:24:04 27 Nov 12	HG		
				240-17251-E-14-I				
Hg	.0285	ppb	.0000	.0285				
*** Sample ID:				Seq: 32	12:26:20 27 Nov 12	HG		
				240-17175-F-1-B				
Hg	.0066	ppb	.0000	.0066				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 33	12:28:35 27 Nov 12	HG		
				240-17175-D-7-I				
Hg	.0275	ppb	.0000	.0275				
*** Check Standard: 6 Ck6CCV				Seq: 34	12:32:18 27 Nov 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.4	5.221	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 35	12:34:51 27 Nov 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0265	.2000	ppb	.0000			
*** Sample ID:				Seq: 36	12:37:06 27 Nov 12	HG		
				240-17175-D-4-I				
Hg	.0022	ppb	.0000	.0022				
*** Sample ID:				Seq: 37	12:39:29 27 Nov 12	HG		
				240-17251-E-17-I				
Hg	.0307	ppb	.0000	.0307				
*** Sample ID:				Seq: 38	12:41:44 27 Nov 12	HG		
				240-17251-E-2-B				
Hg	.0201	ppb	.0000	.0201				
*** Sample ID:				Seq: 39	12:43:59 27 Nov 12	HG		
				240-17175-D-5-I				
Hg	.0120	ppb	.0000	.0120				
*** Sample ID:				Seq: 40	12:47:01 27 Nov 12	HG		
				MB 240-64940/1-A				
Hg	.0017	ppb	.0000	.0017				
*** Sample ID:				Seq: 41	12:49:16 27 Nov 12	HG		
				LCS 240-64940/2-A				
Hg	4.448	ppb	.0000	4.448				
*** Sample ID:				Seq: 42	12:51:49 27 Nov 12	HG		
				240-17375-I-1-B				
Hg	.0071	ppb	.0000	.0071				
*** Sample ID:				Seq: 43	12:54:04 27 Nov 12	HG		
				240-17375-I-1-C MS				
Hg	.9684	ppb	.0000	.9684				
*** Sample ID:				Seq: 44	12:56:19 27 Nov 12	HG		
				240-17375-I-1-D MSD				
Hg	.9136	ppb	.0000	.9136				
*** Sample ID:				Seq: 45	12:58:45 27 Nov 12	HG		
				240-17361-F-13-B				
Hg	.0231	ppb	.0000	.0231				
*** Check Standard: 6 Ck6CCV				Seq: 46	13:01:00 27 Nov 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.8	5.191	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 47	13:03:15 27 Nov 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0425	.2000	ppb	.0000			
*** Sample ID:				Seq: 48	13:05:30 27 Nov 12	HG		
				240-17446-B-1-A				
Hg	.0375	ppb	.0000	.0375				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 49	13:07:45 27 Nov 12	HG		
				240-17443-A-4-B				
Hg	.0212	ppb	.0000	.0212				
*** Sample ID:				Seq: 50	13:10:12 27 Nov 12	HG		
				240-17443-A-1-B				
Hg	.0372	ppb	.0000	.0372				
*** Sample ID:				Seq: 51	13:12:34 27 Nov 12	HG		
				240-17443-A-6-B				
Hg	.0277	ppb	.0000	.0277				
*** Sample ID:				Seq: 52	13:14:51 27 Nov 12	HG		
				240-17361-F-14-B				
Hg	.0367	ppb	.0000	.0367				
*** Sample ID:				Seq: 53	13:17:06 27 Nov 12	HG		
				240-17361-F-17-B				
Hg	.0310	ppb	.0000	.0310				
*** Sample ID:				Seq: 54	13:19:22 27 Nov 12	HG		
				240-17399-J-1-A				
Hg	.1490	ppb	.0000	.1490				
*** Sample ID:				Seq: 55	13:21:37 27 Nov 12	HG		
				240-17443-A-3-B				
Hg	-.0083	ppb	.0000	-.0083				
*** Sample ID:				Seq: 56	13:23:52 27 Nov 12	HG		
				240-17412-G-1-B				
Hg	.0166	ppb	.0000	.0166				
*** Sample ID:				Seq: 57	13:26:07 27 Nov 12	HG		
				240-17443-A-2-B				
Hg	.0353	ppb	.0000	.0353				

*** Check Standard: 6 Ck6CCV Seq: 58 13:28:30 27 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.8	5.142	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 59 13:30:45 27 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0279	.2000	ppb	.0000

*** Sample ID:				Seq: 60	13:33:00 27 Nov 12	HG		
				240-17379-J-3-A				
Hg	.0104	ppb	.0000	.0104				
*** Sample ID:				Seq: 61	13:35:41 27 Nov 12	HG		
				240-17379-J-1-A				
Hg	.0611	ppb	.0000	.0611				
*** Sample ID:				Seq: 62	13:37:56 27 Nov 12	HG		
				240-17361-F-15-B				
Hg	.0039	ppb	.0000	.0039				
*** Sample ID:				Seq: 63	13:40:27 27 Nov 12	HG		
				240-17416-G-1-B				
Hg	.0318	ppb	.0000	.0318				
*** Sample ID:				Seq: 64	13:42:42 27 Nov 12	HG		
				240-17399-j-3-a				
Hg	.0709	ppb	.0000	.0709				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 65 13:45:18 27 Nov 12 HG
240-17483-c-1-a

Hg	.0356	ppb	.0000	.0356	

*** Sample ID: Seq: 66 13:47:49 27 Nov 12 HG
240-17415-g-1-b

Hg	.0256	ppb	.0000	.0256	

*** Sample ID: Seq: 67 13:50:04 27 Nov 12 HG
240-17361-f-16-b

Hg	.0074	ppb	.0000	.0074	

*** Check Standard: 6 Ck6CCV Seq: 68 13:52:21 27 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.9	5.143	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 69 13:54:36 27 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0387	.2000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:					Seq: 86		15:05:34 27 Nov 12		HG
					240-17703-D-4-A				
Hg	.0473	ppb		.0000	.0473				
*** Sample ID:					Seq: 87		15:08:30 27 Nov 12		HG
					240-17774-F-2-B				
Hg	.0247	ppb		.0000	.0247				
*** Sample ID:					Seq: 88		15:10:45 27 Nov 12		HG
					240-17773-H-8-A				
Hg	.0266	ppb		.0000	.0266				
*** Sample ID:					Seq: 89		15:13:00 27 Nov 12		HG
					240-17703-D-3-A				
Hg	.0364	ppb		.0000	.0364				
*** Sample ID:					Seq: 90		15:15:15 27 Nov 12		HG
					240-17773-H-3-A				
Hg	.0285	ppb		.0000	.0285				
*** Sample ID:					Seq: 91		15:17:56 27 Nov 12		HG
					240-17703-D-2-A				
Hg	.0134	ppb		.0000	.0134				
*** Sample ID:					Seq: 92		15:20:13 27 Nov 12		HG
					~~240-17773-H-8-A~~ 240-17773-A-6-A 11/28/12 DSH				
Hg	.0090	ppb		.0000	.0090				
*** Sample ID:					Seq: 93		15:22:29 27 Nov 12		HG
					240-17773-H-1-A				
Hg	.0272	ppb		.0000	.0272				

*** Check Standard: 6 Ck6CCV Seq: 94 15:24:44 27 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.7	5.135	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 95 15:27:13 27 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0037	.2000	ppb	.0000

*** Sample ID:					Seq: 96		15:29:28 27 Nov 12		HG
					240-17661-B-10-A				
Hg	.0104	ppb		.0000	.0104				
*** Sample ID:					Seq: 97		15:31:43 27 Nov 12		HG
					240-17773-H-2-A				
Hg	.0172	ppb		.0000	.0172				
*** Sample ID:					Seq: 98		15:34:05 27 Nov 12		HG
					240-17773-H-5-A				
Hg	.0131	ppb		.0000	.0131				
*** Sample ID:					Seq: 99		15:36:20 27 Nov 12		HG
					240-17661-A-8-A				
Hg	.0210	ppb		.0000	.0210				
*** Sample ID:					Seq: 100		15:38:35 27 Nov 12		HG
					240-17773-H-7-A				
Hg	.0185	ppb		.0000	.0185				
*** Sample ID:					Seq: 101		15:40:50 27 Nov 12		HG
					~~240-17661-A-8-A~~ 240-17661-A6A 11/28/12 DSH				
Hg	.0345	ppb		.0000	.0345				

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : CORP-MT-0005 Rev 1 7471: CORP-MT-0007 Rev 1

Run Date: 11/16/12 Analyst: DSH Instrument: HG1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I Analyst: [signature] Date/Time: 11/17/12
Level I Analyst: Date/Time:

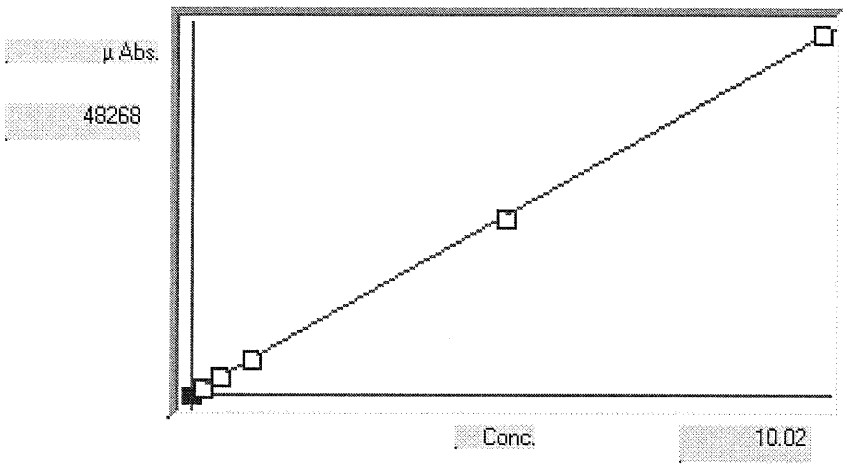
Comments: Batch #65459 (LCS DOD) clearing MRL

2nd Level Reviewer: [signature] Date/Time: 11/19/12
2nd Level Reviewer: Date/Time:

Curve Date 11/15/12 Curve Time 8:57 - 9:27 DILUTION H20 00012

Revised 06/1/2011

Protocol: 1116AHG1



Wt fn

Calibrated

Accepted

A

B 2.08030e-4

C -1.65437e-2

Rhc .999977

Accepted Date: 16-Nov-12 09:11

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0126	.0126	141	0	140				
02	.20000	.1990	-.0010	1036	0%	1036				
03	.50000	.5042	.0042	2504	0%	2503				
04	1.0000	1.013	.0126	4948	0%	4947				
05	5.0000	4.947	-.0529	23860	0%	23860				
06	10.000	10.02	.0247	48268	0%	48268				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		09:03:43 16 Nov 12			HG
Hg	.0000	ppb	140						
*** Standard: 2 Rep: 1				Seq: 2		09:05:11 16 Nov 12			HG
Hg	.2000	ppb	1036						
*** Standard: 3 Rep: 1				Seq: 3		09:06:27 16 Nov 12			HG
Hg	.5000	ppb	2503						
*** Standard: 4 Rep: 1				Seq: 4		09:07:55 16 Nov 12			HG
Hg	1.000	ppb	4947						
*** Standard: 5 Rep: 1				Seq: 5		09:09:22 16 Nov 12			HG
Hg	5.000	ppb	23860						
*** Standard: 6 Rep: 1				Seq: 6		09:10:49 16 Nov 12			HG
Hg	10.00	ppb	48268						

*** Check Standard: 2 Ck2ICV				Seq: 7		09:12:47 16 Nov 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		95.13	2.378	2.500	ppb	.0000			

*** Check Standard: 3 Ck3ICB				Seq: 8		09:14:14 16 Nov 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		^^^^^^	.0159	.0000	ppb	.0000			

*** Check Standard: 4 Ck4CRA\MRL				Seq: 9		09:16:00 16 Nov 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		104.5	.2090	.2000	ppb	.0000			

*** Check Standard: 6 Ck6CCV				Seq: 10		09:25:19 16 Nov 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		100.3	5.014	5.000	ppb	.0000			

*** Check Standard: 1 Ck1CCB				Seq: 11		09:26:42 16 Nov 12			HG
Line	Flag	Found	Range(+/-)	Units		SD/RSD			
Hg		.0105	.2000	ppb		.0000			

*** Sample ID: 240-17418-f-1-b@2				Seq: 12		09:28:03 16 Nov 12			HG
Hg	6.365	ppb	.0000	6.365					

*** Sample ID: 240-17418-f-3-b@5				Seq: 13		09:29:49 16 Nov 12			HG
Hg	3.293	ppb	.0000	3.293					

*** Sample ID: 240-17418-n-6-d@2				Seq: 14		09:31:04 16 Nov 12			HG
Hg	5.481	ppb	.0000	5.481					

*** Sample ID: 240-17418-n-6-e ms@2				Seq: 15		09:33:04 16 Nov 12			HG
Hg	4.828	ppb	.0000	4.828					

*** Sample ID: 240-17418-n-6-fmsd@2				Seq: 16		09:34:23 16 Nov 12			HG
Hg	5.441	ppb	.0000	5.441					

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 17 09:36:11 16 Nov 12 HG
240-17418-f-7-b@2
Hg 6.312 ppb .0000 6.312

*** Check Standard: 6 Ck6CCV Seq: 18 09:37:38 16 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.4	5.019	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 19 09:38:56 16 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0134	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 20 18:08:45 16 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.79	4.939	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 21 18:10:27 16 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0430	.2000	ppb	.0000

*** Sample ID: Seq: 22 18:11:54 16 Nov 12 HG
MB 240-65191/1-A
Hg .1472 ppb .0000 .1472

*** Sample ID: Seq: 23 18:13:54 16 Nov 12 HG
LCS 240-65191/2-A
Hg 4.131 ppb .0000 4.131

*** Sample ID: Seq: 24 18:15:09 16 Nov 12 HG
240-17230-A-6-R
Hg .3317 ppb .0000 .3317

*** Sample ID: Seq: 25 18:16:34 16 Nov 12 HG
240-17230-A-6-AB DU
Hg .2685 ppb .0000 .2685

*** Sample ID: Seq: 26 18:18:32 16 Nov 12 HG
240-17230-A-6-S MS
Hg 1.178 ppb .0000 1.178

*** Sample ID: Seq: 27 18:19:51 16 Nov 12 HG
240-17230-A-3-D
Hg .2562 ppb .0000 .2562

*** Sample ID: Seq: 28 18:21:08 16 Nov 12 HG
240-17230-A-7-G
Hg .3673 ppb .0000 .3673

*** Sample ID: Seq: 29 18:22:24 16 Nov 12 HG
240-17317-A-1-D
Hg .5422 ppb .0000 .5422

*** Sample ID: Seq: 30 18:23:41 16 Nov 12 HG
240-17317-A-2-D
Hg .4769 ppb .0000 .4769

*** Sample ID: Seq: 31 18:25:12 16 Nov 12 HG
240-17317-A-3-D
Hg .4763 ppb .0000 .4763

*** Check Standard: 6 Ck6CCV Seq: 32 18:26:48 16 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.1	5.054	5.000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 33 18:28:47 16 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0353	.2000	ppb	.0000

*** Sample ID: Seq: 34 18:30:04 16 Nov 12 HG

240-17317-A-4-D

Hg	.2809	ppb	.0000	.2809

*** Sample ID: Seq: 35 18:31:21 16 Nov 12 HG

240-17317-A-5-C

Hg	.7039	ppb	.0000	.7039

*** Sample ID: Seq: 36 18:32:46 16 Nov 12 HG

240-17317-A-6-C

Hg	.7394	ppb	.0000	.7394

*** Sample ID: Seq: 37 18:34:22 16 Nov 12 HG

240-17317-A-7-I

Hg	.2832	ppb	.0000	.2832

*** Sample ID: Seq: 38 18:35:40 16 Nov 12 HG

240-17317-A-7-M DU

Hg	.2959	ppb	.0000	.2959

*** Sample ID: Seq: 39 18:36:55 16 Nov 12 HG

240-17317-A-7-J MS

Hg	1.138	ppb	.0000	1.138

*** Sample ID: Seq: 40 18:38:15 16 Nov 12 HG

240-17317-A-8-C

Hg	.2568	ppb	.0000	.2568

*** Sample ID: Seq: 41 18:39:32 16 Nov 12 HG

240-17317-A-9-D

Hg	.3721	ppb	.0000	.3721

*** Sample ID: Seq: 42 18:41:18 16 Nov 12 HG

240-17317-A-10-C

Hg	.3421	ppb	.0000	.3421

*** Sample ID: Seq: 43 18:42:51 16 Nov 12 HG

240-17317-A-14-C

Hg	.2920	ppb	.0000	.2920

*** Check Standard: 6 Ck6CCV Seq: 44 18:44:30 16 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.0	5.052	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 45 18:45:48 16 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0151	.2000	ppb	.0000

*** Sample ID: Seq: 46 18:47:15 16 Nov 12 HG

240-17317-A-15-C

Hg	.3827	ppb	.0000	.3827

*** Sample ID: Seq: 47 18:48:36 16 Nov 12 HG

240-17317-A-16-C

Hg	.4253	ppb	.0000	.4253

*** Sample ID: Seq: 48 18:50:18 16 Nov 12 HG

240-17317-A-17-C

Hg	.5360	ppb	.0000	.5360

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 49	18:52:18 16 Nov 12	HG		
				240-17317-A-18-C				
Hg	.3773	ppb	.0000	.3773				
*** Sample ID:				Seq: 50	18:53:34 16 Nov 12	HG		
				240-17317-A-19-H				
Hg	.3365	ppb	.0000	.3365				
*** Sample ID:				Seq: 51	18:54:50 16 Nov 12	HG		
				240-17317-A-19-L DU				
Hg	.3450	ppb	.0000	.3450				
*** Sample ID:				Seq: 52	18:56:05 16 Nov 12	HG		
				240-17317-A-19-I MS				
Hg	1.205	ppb	.0000	1.205				
*** Sample ID:				Seq: 53	18:57:36 16 Nov 12	HG		
				240-17317-A-20-C				
Hg	.3298	ppb	.0000	.3298				
*** Sample ID:				Seq: 54	18:59:06 16 Nov 12	HG		
				MB 240-65204/1-A				
Hg	.1657	ppb	.0000	.1657				
*** Sample ID:				Seq: 55	19:00:33 16 Nov 12	HG		
				LCS 240-65204/2-A				
Hg	4.229	ppb	.0000	4.229				

*** Check Standard: 6 Ck6CCV Seq: 56 19:01:50 16 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.7	5.033	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 57 19:03:08 16 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0263	.2000	ppb	.0000

*** Sample ID:				Seq: 58	19:04:24 16 Nov 12	HG		
				240-17422-A-2-H				
Hg	.4632	ppb	.0000	.4632				
*** Sample ID:				Seq: 59	19:05:42 16 Nov 12	HG		
				240-17422-A-2-M DU				
Hg	.4865	ppb	.0000	.4865				
*** Sample ID:				Seq: 60	19:07:23 16 Nov 12	HG		
				240-17422-A-2-J MS				
Hg	1.374	ppb	.0000	1.374				
*** Sample ID:				Seq: 61	19:08:50 16 Nov 12	HG		
				240-17317-A-21-C				
Hg	.6219	ppb	.0000	.6219				
*** Sample ID:				Seq: 62	19:10:15 16 Nov 12	HG		
				240-17317-A-22-C				
Hg	.4114	ppb	.0000	.4114				
*** Sample ID:				Seq: 63	19:11:32 16 Nov 12	HG		
				240-17317-A-23-C				
Hg	.2252	ppb	.0000	.2252				
*** Sample ID:				Seq: 64	19:12:59 16 Nov 12	HG		
				240-17317-A-24-C				
Hg	.2764	ppb	.0000	.2764				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 65	19:14:19 16 Nov 12	HG		
				240-17422-A-1-D				
Hg	.7800	ppb	.0000	.7800				
*** Sample ID:				Seq: 66	19:15:35 16 Nov 12	HG		
				240-17422-A-3-D				
Hg	.5535	ppb	.0000	.5535				
*** Sample ID:				Seq: 67	19:16:53 16 Nov 12	HG		
				240-17422-A-4-C				
Hg	1.295	ppb	.0000	1.295				

*** Check Standard: 6 Ck6CCV Seq: 68 19:18:50 16 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.2	5.062	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 69 19:20:07 16 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0357	.2000	ppb	.0000

*** Sample ID:				Seq: 70	19:21:23 16 Nov 12	HG		
				240-17422-A-5-D				
Hg	.3223	ppb	.0000	.3223				
*** Sample ID:				Seq: 71	19:22:43 16 Nov 12	HG		
				240-17422-A-6-H				
Hg	.3350	ppb	.0000	.3350				
*** Sample ID:				Seq: 72	19:24:01 16 Nov 12	HG		
				240-17422-A-6-M DU				
Hg	.3554	ppb	.0000	.3554				
*** Sample ID:				Seq: 73	19:26:51 16 Nov 12	HG		
				240-17422-A-6-J MS				
Hg	1.215	ppb	.0000	1.215				
*** Sample ID:				Seq: 74	19:28:09 16 Nov 12	HG		
				240-17422-a-7-c				
Hg	.3567	ppb	.0000	.3567				
*** Sample ID:				Seq: 75	19:29:31 16 Nov 12	HG		
				240-17422-a-8-c				
Hg	.5599	ppb	.0000	.5599				
*** Sample ID:				Seq: 76	19:30:52 16 Nov 12	HG		
				240-17422-a-9-g				
Hg	.5008	ppb	.0000	.5008				
*** Sample ID:				Seq: 77	19:32:21 16 Nov 12	HG		
				240-17422-a-9-l du				
Hg	.5374	ppb	.0000	.5374				
*** Sample ID:				Seq: 78	19:33:40 16 Nov 12	HG		
				240-17422-a-9-i ms				
Hg	1.340	ppb	.0000	1.340				
*** Sample ID:				Seq: 79	19:35:17 16 Nov 12	HG		
				240-17422-a-10-c				
Hg	.4738	ppb	.0000	.4738				

*** Check Standard: 6 Ck6CCV Seq: 80 19:36:54 16 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.9	5.046	5.000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 81 19:38:19 16 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0047	.2000	ppb	.0000

*** Sample ID: Seq: 82 19:40:20 16 Nov 12 HG
240-17422-a-11-c

Hg	.5345	ppb	.0000	.5345

*** Sample ID: Seq: 83 19:41:39 16 Nov 12 HG
240-17422-a-12-c

Hg	.3814	ppb	.0000	.3814

*** Sample ID: Seq: 84 19:42:59 16 Nov 12 HG
240-17477-a-5-c

Hg	.3872	ppb	.0000	.3872

*** Sample ID: Seq: 85 19:44:20 16 Nov 12 HG
240-17477-a-6-h

Hg	.3517	ppb	.0000	.3517

*** Sample ID: Seq: 86 19:45:38 16 Nov 12 HG
240-17477-a-6-m du

Hg	.3192	ppb	.0000	.3192

*** Sample ID: Seq: 87 19:46:57 16 Nov 12 HG
240-17477-a-6-j ms

Hg	1.168	ppb	.0000	1.168

*** Sample ID: Seq: 88 19:48:13 16 Nov 12 HG
240-17477-a-7-d

Hg	.3271	ppb	.0000	.3271

*** Sample ID: CRA Seq: 89 19:49:50 16 Nov 12 HG

Hg	.2075	ppb	.0000	.2075

*** Check Standard: 6 Ck6CCV Seq: 90 19:51:08 16 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.0	5.052	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 91 19:52:26 16 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0084	.2000	ppb	.0000

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 65198 Batch Start Date: 11/15/12 12:19 Batch Analyst: Girard, Susan

Batch Method: 3050B Batch End Date: 11/15/12 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1TO1HN03 00376	MTH202 00012	MTHCL 00047
MB 240-65198/1		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	10 mL	10 mL
LCS 240-65198/2		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	10 mL	10 mL
240-17477-A-5-A	079SS-0003M-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.04 g	100 mL	10 mL	10 mL	10 mL
240-17477-A-6-B	079SS-0004M-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.26 g	100 mL	10 mL	10 mL	10 mL
240-17477-A-6-KDU	079SS-0004M-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.26 g	100 mL	10 mL	10 mL	10 mL
240-17477-A-6-CMS	079SS-0004M-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.26 g	100 mL	10 mL	10 mL	10 mL
240-17477-A-7-B	079SS-0005M-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.18 g	100 mL	10 mL	10 mL	10 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTHNO3 00036	MTICPMS2 00009	MTICPMSA 00007	MTICPMSA 00010	MTICPMSB 00007	MTICPMSB 00010
MB 240-65198/1		3050B, 6020/DOD		5 mL					
LCS 240-65198/2		3050B, 6020/DOD		5 mL	1 mL		1 mL		1 mL
240-17477-A-5-A	079SS-0003M-0001-SO	3050B, 6020/DOD	T	5 mL					
240-17477-A-6-B	079SS-0004M-0001-SO	3050B, 6020/DOD	T	5 mL					
240-17477-A-6-KDU	079SS-0004M-0001-SO	3050B, 6020/DOD	T	5 mL					
240-17477-A-6-CMS	079SS-0004M-0001-SO	3050B, 6020/DOD	T	5 mL	1 mL	1 mL		1 mL	
240-17477-A-7-B	079SS-0005M-0001-SO	3050B, 6020/DOD	T	5 mL					

Batch Notes	
Balance ID	b038
Filter Paper Lot Number	6326666
Pipette ID	383364-383389
Digestion Tube/Cup Lot #	121014

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 65311 Batch Start Date: 11/16/12 09:08 Batch Analyst: McGall, Lisa

Batch Method: 3005A Batch End Date: 11/16/12 17:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTHCL 00047	MTHNO3 00036	MTICPMS2 00009	MTICPMSA 00007
MB 240-65311/1		3005A, 6020/DOD		50 mL	50 mL	2.5 mL	1 mL		
LCS 240-65311/2		3005A, 6020/DOD		50 mL	50 mL	2.5 mL	1 mL	0.5 mL	
240-17477-A-4	068SW-0016-0001-SW	3005A, 6020/DOD	R	50 mL	50 mL	2.5 mL	1 mL		
240-17477-A-4 DU	068SW-0016-0001-SW	3005A, 6020/DOD	R	50 mL	50 mL	2.5 mL	1 mL		
240-17477-A-4 MS	068SW-0016-0001-SW	3005A, 6020/DOD	R	50 mL	50 mL	2.5 mL	1 mL	0.5 mL	0.5 mL
240-17477-A-1	068SW-0013-0001-SW	3005A, 6020/DOD	R	50 mL	50 mL	2.5 mL	1 mL		
240-17477-A-2	068SW-0014-0001-SW	3005A, 6020/DOD	R	50 mL	50 mL	2.5 mL	1 mL		
240-17477-A-3	068SW-0015-0001-SW	3005A, 6020/DOD	R	50 mL	50 mL	2.5 mL	1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICPMSA 00010	MTICPMSB 00007	MTICPMSB 00010			
MB 240-65311/1		3005A, 6020/DOD							
LCS 240-65311/2		3005A, 6020/DOD		0.5 mL		0.5 mL			
240-17477-A-4	068SW-0016-0001-SW	3005A, 6020/DOD	R						
240-17477-A-4 DU	068SW-0016-0001-SW	3005A, 6020/DOD	R						
240-17477-A-4 MS	068SW-0016-0001-SW	3005A, 6020/DOD	R		0.5 mL				
240-17477-A-1	068SW-0013-0001-SW	3005A, 6020/DOD	R						
240-17477-A-2	068SW-0014-0001-SW	3005A, 6020/DOD	R						
240-17477-A-3	068SW-0015-0001-SW	3005A, 6020/DOD	R						

Batch Notes	
Filter Paper Lot Number	6326666
Pipette ID	383363
Digestion Tube/Cup Lot #	1205258

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 65311 Batch Start Date: 11/16/12 09:08 Batch Analyst: McGall, Lisa

Batch Method: 3005A Batch End Date: 11/16/12 17:00

Basis	Basis Description
R	Total Recoverable

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 66219 Batch Start Date: 11/26/12 15:25 Batch Analyst: Girard, Susan

Batch Method: 7470A Batch End Date: 11/26/12 17:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00010	MTHGICVW 00435	MTHNO3 00037	MTK2S208RGNT 00029
MB 240-66219/1		7470A, 7470A/DOD		100 mL	100 mL	5 mL		2.5 mL	8 mL
LCS 240-66219/2		7470A, 7470A/DOD		100 mL	100 mL	5 mL	1 mL	2.5 mL	8 mL
240-17477-A-1	068SW-0013-0001-SW	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL		2.5 mL	8 mL
240-17477-A-2	068SW-0014-0001-SW	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL		2.5 mL	8 mL
240-17477-A-3	068SW-0015-0001-SW	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL		2.5 mL	8 mL
240-17477-B-4	068SW-0016-0001-SW	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL		2.5 mL	8 mL
240-17477-B-4 DU	068SW-0016-0001-SW	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL		2.5 mL	8 mL
240-17477-B-4 MS	068SW-0016-0001-SW	7470A, 7470A/DOD	T	100 mL	100 mL	5 mL	0.2 mL	2.5 mL	8 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTKMnO4Liq 00006					
MB 240-66219/1		7470A, 7470A/DOD		15 mL					
LCS 240-66219/2		7470A, 7470A/DOD		15 mL					
240-17477-A-1	068SW-0013-0001-SW	7470A, 7470A/DOD	T	15 mL					
240-17477-A-2	068SW-0014-0001-SW	7470A, 7470A/DOD	T	15 mL					
240-17477-A-3	068SW-0015-0001-SW	7470A, 7470A/DOD	T	15 mL					
240-17477-B-4	068SW-0016-0001-SW	7470A, 7470A/DOD	T	15 mL					
240-17477-B-4 DU	068SW-0016-0001-SW	7470A, 7470A/DOD	T	15 mL					
240-17477-B-4 MS	068SW-0016-0001-SW	7470A, 7470A/DOD	T	15 mL					

Batch Notes	
Pipette ID	432085-383364
Digestion Tube/Cup Lot #	10-12-12

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 66219 Batch Start Date: 11/26/12 15:25 Batch Analyst: Girard, Susan

Batch Method: 7470A Batch End Date: 11/26/12 17:25

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 66340 Batch Start Date: 11/26/12 15:00 Batch Analyst: Girard, Susan

Batch Method: 7470A Batch End Date: 11/26/12 17:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTH2S04 00010	MTHGCALW 00283	MTHGICVW 00435	MTHNO3 00037
ICV 240-66340/7		7470A, 7470A/DOD		100 mL	100 mL	5 mL		0.5 mL	2.5 mL
ICB 240-66340/8		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL
CRA 240-66340/9		7470A, 7470A/DOD		100 mL	100 mL	5 mL	0.2 mL		2.5 mL
CCVL 240-66340/10		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL
CCV 240-66340/11		7470A, 7470A/DOD		100 mL	100 mL	5 mL	5 mL		2.5 mL
CCB 240-66340/12		7470A, 7470A/DOD		100 mL	100 mL	5 mL			2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTK2S208RGNT 00029	MTKMnO4Liq 00006				
ICV 240-66340/7		7470A, 7470A/DOD		8 mL	15 mL				
ICB 240-66340/8		7470A, 7470A/DOD		8 mL	15 mL				
CRA 240-66340/9		7470A, 7470A/DOD		8 mL	15 mL				
CCVL 240-66340/10		7470A, 7470A/DOD		8 mL	15 mL				
CCV 240-66340/11		7470A, 7470A/DOD		8 mL	15 mL				
CCB 240-66340/12		7470A, 7470A/DOD		8 mL	15 mL				

Batch Notes	
Pipette ID	432085-383364-383363-383366
Digestion Tube/Cup Lot #	10-12-12

Basis	Basis Description

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 65204 Batch Start Date: 11/15/12 14:40 Batch Analyst: Girard, Susan

Batch Method: 7471A Batch End Date: 11/15/12 15:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00392	MTHGICVW 00428	MTKMnO4Liq 00005	
MB 240-65204/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-65204/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-17477-A-5-A	079SS-0003M-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-17477-A-6-B	079SS-0004M-0001-SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-17477-A-6-KDU	079SS-0004M-0001-SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-17477-A-6-CMS	079SS-0004M-0001-SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL	0.2 mL	15 mL	
240-17477-A-7-B	079SS-0005M-0001-SO	7471A, 7471/DOD	T	0.67 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b038
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	10-12-12

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 65225 Batch Start Date: 11/15/12 08:57 Batch Analyst: Heakin, David

Batch Method: 7471A Batch End Date: 11/15/12 09:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00392	MTHGCALW 00280	MTHGICVW 00428	MTKMnO4Liq 00005
ICV 240-65225/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-65225/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-65225/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-65225/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-65225/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364, 383366

Basis	Basis Description

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
079SS-0003M-0001-SO	240-17477-5
079SS-0004M-0001-SO	240-17477-6
079SS-0005M-0001-SO	240-17477-7

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job Number: 240-17477-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
079SS-0004M-0001-SO	240-17477-6
079SS-0005M-0001-SO	240-17477-7

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 079SS-0004M-0001-SO
Lab Sample ID: 240-17477-6
Lab Name: TestAmerica West Sacramento
Job No.: 240-17477-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/09/2012 11:10
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	18	48	18	7.5	mg/Kg	U		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 079SS-0005M-0001-SO
Lab Sample ID: 240-17477-7
Lab Name: TestAmerica West Sacramento
Job No.: 240-17477-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/09/2012 11:10
Reporting Basis: WET
Date Received: 11/09/2012 17:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	17	46	17	7.2	mg/Kg	U		1	WS-WC-0050

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Analyst: JB Batch Start Date: 12/04/2012

Reporting Units: mg/L Analytical Batch No.: 6863

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	13:58	Nitrocellulose	8.38	4.49	187	90-110		WC-353.2-ICV_00010
9	ICB	14:00	Nitrocellulose	1.0				U	
21	CCV	14:24	Nitrocellulose	8.42	8.48	99	90-110		WC-353.2-L4_00008
22	CCB	14:26	Nitrocellulose	1.0				U	
35	CCV	14:52	Nitrocellulose	8.29	8.48	98	90-110		WC-353.2-L4_00008
36	CCB	14:54	Nitrocellulose	1.0				U	
49	CCV	15:20	Nitrocellulose	8.39	8.48	99	90-110		WC-353.2-L4_00008
50	CCB	15:22	Nitrocellulose	1.0				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 6863	Date: 12/04/2012 14:12	Prep Batch: 6824	Date: 12/04/2012 07:05				
WS-WC-0050	MB 320-6800/1-B	Nitrocellulose	1.8	U	mg/Kg	5.0	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 6863	Date: 12/04/2012 14:58		Prep Batch: 6824		Date: 12/04/2012 07:05						
WS-WC-0050	240-17477-6	Nitrocellulose	18	U	mg/Kg						
WS-WC-0050	240-17477-6 MS	Nitrocellulose	235		mg/Kg	495	48	34-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 6863	Date: 12/04/2012 15:00		Prep Batch: 6824		Date: 12/04/2012 07:05						
WS-WC-0050	240-17477-6 MSD	Nitrocellulose	230		mg/Kg	495	46	34-115	2	71	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 6863	Date: 12/04/2012 14:14		Prep Batch: 6824			Date: 12/04/2012 07:05					
						LCS Source: HPNCSP_00007					
WS-WC-0050	LCS 320-6800/2-B	Nitrocellulose	25.1		mg/Kg	51.0	49	34-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 6863	Date: 12/04/2012 14:22										
						LCS Source:	WC-353.2-L1_00011				
WS-WC-0050	MRL 320-6863/20	Nitrocellulose	1.0	U	mg/L	0.424	109	70-130			
Batch ID: 6863	Date: 12/04/2012 14:50										
						LCS Source:	WC-353.2-L1_00011				
WS-WC-0050	MRL 320-6863/34	Nitrocellulose	1.0	U	mg/L	0.424	107	70-130			
Batch ID: 6863	Date: 12/04/2012 15:18										
						LCS Source:	WC-353.2-L1_00011				
WS-WC-0050	MRL 320-6863/48	Nitrocellulose	1.0	U	mg/L	0.424	113	70-130			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17477-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job Number: 240-17477-1

SDG Number:

Matrix: Solid Instrument ID: FS4

Method: WS-WC-0050 DL Date: 03/15/2011 14:37

Prep Method: 353 (NCell-Hyd)

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Nitrocellulose		5	0.78

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job Number: 240-17477-1

SDG Number:

Matrix: Solid Instrument ID: FS4

Method: WS-WC-0050 XMDL Date: 03/15/2011 14:36

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrocellulose		2	0.475

11-IN
LINEAR RANGES
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No: 240-17477-1

SDG No.:

Instrument ID: FS4 Date: 07/31/2011 19:29

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Nitrocellulose		16.8	WS-WC-0050

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-6800/1-B	12/04/2012 07:05	6824		45	40
LCS 320-6800/2-B	12/04/2012 07:05	6824		45	40
240-17477-6	12/04/2012 07:05	6824		45	40
240-17477-6 MS	12/04/2012 07:05	6824		45	40
240-17477-6 MSD	12/04/2012 07:05	6824		45	40
240-17477-7	12/04/2012 07:05	6824		45	40

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/15/2012 08:05 End Date: 11/15/2012 09:09

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
240-17477-5	1	T	08:05	X	X																			
240-17477-7	1	T	08:05	X	X																			
240-17477-6 DU	1	T	08:05	X	X																			
240-17477-6	1	T	08:05	X	X																			
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/15/2012 08:05 End Date: 11/15/2012 09:09

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			08:05	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/15/2012 08:05 End Date: 11/15/2012 09:09

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			08:05																					
ZZZZZZ			08:05																					
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/15/2012 08:05 End Date: 11/15/2012 09:09

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
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ZZZZZZ			08:56																					
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ZZZZZZ			08:56																					
ZZZZZZ			09:01																					
ZZZZZZ			09:01																					
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ZZZZZZ			09:09																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/04/2012 13:44 End Date: 12/04/2012 15:34

Lab Sample ID	D/F	Type	Time	Analytes																				
				NCL																				
ZZZZZZ			13:44																					
STD0 320-6863/2 IC			13:46	X																				
STD1 320-6863/3 IC			13:48	X																				
STD2 320-6863/4 IC			13:50	X																				
STD3 320-6863/5 IC			13:52	X																				
STD4 320-6863/6 IC			13:54	X																				
STD5 320-6863/7 IC			13:56	X																				
ICV 320-6863/8	1		13:58	X																				
ICB 320-6863/9	1		14:00	X																				
MRL 320-6863/10	1	T	14:02	X																				
ZZZZZZ			14:04																					
ZZZZZZ			14:06																					
ZZZZZZ			14:08																					
ZZZZZZ			14:10																					
MB 320-6800/1-B	1	T	14:12	X																				
LCS 320-6800/2-B	1	T	14:14	X																				
ZZZZZZ			14:16																					
ZZZZZZ			14:18																					
ZZZZZZ			14:20																					
MRL 320-6863/20	1	T	14:22	X																				
CCV 320-6863/21	1		14:24	X																				
CCB 320-6863/22	1		14:26	X																				
ZZZZZZ			14:28																					
ZZZZZZ			14:30																					
ZZZZZZ			14:32																					
ZZZZZZ			14:34																					
ZZZZZZ			14:36																					
ZZZZZZ			14:38																					
ZZZZZZ			14:40																					
ZZZZZZ			14:42																					
ZZZZZZ			14:44																					
ZZZZZZ			14:46																					
240-17477-6	1	T	14:48	X																				
MRL 320-6863/34	1	T	14:50	X																				
CCV 320-6863/35	1		14:52	X																				
CCB 320-6863/36	1		14:54	X																				
ZZZZZZ			14:56																					
240-17477-6 MS	1	T	14:58	X																				
240-17477-6 MSD	1	T	15:00	X																				
240-17477-7	1	T	15:02	X																				
ZZZZZZ			15:04																					
ZZZZZZ			15:06																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/04/2012 13:44 End Date: 12/04/2012 15:34

Lab Sample ID	D / F	Type	Time	Analytes																			
				NCL																			
ZZZZZZ			15:08																				
ZZZZZZ			15:10																				
ZZZZZZ			15:12																				
ZZZZZZ			15:14																				
ZZZZZZ			15:16																				
MRL 320-6863/48	1	T	15:18	X																			
CCV 320-6863/49	1		15:20	X																			
CCB 320-6863/50	1		15:22	X																			
ZZZZZZ			15:24																				
ZZZZZZ			15:26																				
ZZZZZZ			15:28																				
CCV 320-6863/54			15:30																				
CCB 320-6863/55			15:32																				
ZZZZZZ			15:34																				

Prep Types

T = Total/NA

Peak Table:Nitrate/Nitrite

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\112812B.RST
Date: 28-Nov-12
Operator: jb

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	105	Sync	1	SYNC	1	1	113825	0.991692	
B	0	Baseline	1	RB	1	1	0	-0.006235	BL
3	0	Cal 0	1	C	1	1	-254	-0.008458	LO
4	102	Cal 1	1	C	1	1	5696	0.043700	
5	103	Cal 2	1	C	1	1	24079	0.204870	
6	104	Cal 3	1	C	1	1	48095	0.415427	
7	105	Cal 4	1	C	1	1	114288	0.995751	
8	106	Cal 5	1	C	1	1	228687	1.998709	
9	107	ICV	1	U	1	1	116576	1.015808	
10	0	BLANK/ICB	1	BLNK	1	1	594	-0.001027	LO
11	102	MRL	1	U	1	1	5536	0.042300	
12	108	NO2 1PPM	1	U	1	1	105986	0.922964	
13	109	NO3 1PPM	1	U	1	1	125516	1.094192	
14	0	Blank	1	BLNK	1	1	76	-0.005565	LO
B	0	Baseline	1	RB	1	1	0	-0.006235	BL
16	113	MB 320-6387/1-B	1	U	1	1	2571	0.016309	
17	114	LCS 320-6387/2-B	1	U	1	1	88697	0.771391	
18	115	240-17422-P-2-M	1	U	1	1	3628	0.025569	
19	116	240-17422-P-2-N MS	1	U	1	1	54543	0.471957	
20	117	240-17422-P-2-O MSD	1	U	1	1	57035	0.493805	
21	102	MRL	1	U	1	1	5809	0.044693	
22	105	CCV	1	U	1	1	113246	0.986614	
23	0	Blank	1	BLNK	1	1	139	-0.005015	LO
B	0	Baseline	1	RB	1	1	0	-0.006235	BL
25	118	240-17422-F-3-E	1	U	1	1	-340	-0.009220	LO
26	119	240-17422-F-5-E	1	U	1	1	614	-0.000855	LO
27	120	240-17422-O-6-D	1	U	1	1	-3944	-0.040811	LO
28	121	240-17422-O-6-E MS	1	U	1	1	35388	0.304017	
29	122	240-17422-O-6-F MSD	1	U	1	1	33285	0.285578	
30	123	240-17467-P-2-D	1	U	1	1	-12392	-0.114877	LO
31	128	240-17467-P-2-E MS	1	U	1	1	49400	0.426868	
32	129	240-17467-P-2-F MSD	1	U	1	1	43210	0.372600	
33	130	240-17467-F-4-B	1	U	1	1	30432	0.260570	
34	131	240-17477-A-6-AE	1	U	1	1	23329	0.198298	
35	102	MRL	1	U	1	1	20456	0.173110	
36	105	CCV	1	U	1	1	125048	1.090086	
37	0	BLANK	1	BLNK	1	1	4957	0.037224	
B	0	Baseline	1	RB	1	1	0	-0.006235	BL
39	132	240-17477-A-6-AF MS	1	U	1	1	41468	0.357322	
40	133	240-17477-A-6-AG MSD	1	U	1	1	33221	0.285024	
41	134	240-17477-F-7-D	1	U	1	1	3794	0.027030	
42	135	240-17525-A-1-AC	1	U	1	1	3220	0.021992	
43	136	240-17525-A-1-AD MS	1	U	1	1	42241	0.364098	
44	137	240-17525-A-1-AE MSD	1	U	1	1	51913	0.448899	
45	138	240-17525-F-2-D	1	U	1	1	3901	0.027966	
46	139	240-17525-A-5-AB	1	U	1	1	2678	0.017243	
47	140	240-17525-A-5-AC MS	1	U	1	1	50222	0.434072	
48	141	240-17525-A-5-AD MSD	1	U	1	1	51789	0.447809	
49	102	MRL	1	U	1	1	4370	0.032080	
50	105	CCV	1	U	1	1	115673	1.007894	
51	0	BLANK	1	BLNK	1	1	-534	-0.010917	LO
B	0	Baseline	1	RB	1	1	0	-0.006235	BL
53	142	240-17525-F-6-D	1	U	1	1	5247	0.039767	
54	102	MRL	1	U	1	1	5786	0.044495	
55	105	CCV	1	U	1	1	116473	1.014912	
56	0	BLANK	1	BLNK	1	1	278	-0.003794	LO
B	0	Baseline	1	RB	1	1	0	-0.006235	BL

Report Results by Sample
Result path: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\112812B.RST
Sample table path: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\112812b.tbl
Method path: Y:\no3_no2.mth
Date acquired: 28-Nov-12
Time acquired: 18:29

Facility Name:
Facility Location:
Department:

Operator Name: jb
Operator ID: jb

Platform: FS III/IV
Software Rev Code: 210
Data system ID: 57

Channel: 1
Analysis: Nitrate/Nitrite
CAS Number:
Methodology: NO2+NO3-353.2/N02-353.2/WS-WC-0050

	Temp	Warmup	Run time	Reps
rack 1	Off	1134:03:50	1:38:15	14
rack 2	Off	1134:03:50	1:38:15	14
rack 3	Off	1134:03:50	1:38:15	14

Notes

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	16:33:48	-0.01	[C]
0	Cal 0	C	16:35:48	-0.01	[C]
102	Cal 1	C	16:37:49	0.04	[C]
103	Cal 2	C	16:39:49	0.20	[C]
104	Cal 3	C	16:41:49	0.42	[C]
105	Cal 4	C	16:43:49	1.00	[C]
106	Cal 5	C	16:45:49	2.00	[C]
107	ICV	-	16:47:49	1.02	[-]
0	BLANK/ICB	C	16:49:50	0.00	[C]
102	MRL	-	16:51:50	0.04	[-]
108	NO2 1PPM	-	16:53:50	0.92	[-]
109	NO3 1PPM	-	16:55:50	1.09	[-]
0	Blank	C	16:57:50	-0.01	[C]
0	Baseline	C	16:59:51	-0.01	[C]
113	MB 320-6387/1-B	-	17:01:51	0.02	[-]
114	LCS 320-6387/2-B	-	17:03:51	0.77	[-]
115	240-17422-P-2-M	-	17:05:51	0.03	[-]
116	240-17422-P-2-N MS	-	17:07:51	0.47	[-]
117	240-17422-P-2-O MSD	-	17:09:51	0.49	[-]
102	MRL	-	17:11:52	0.04	[-]
105	CCV	-	17:13:52	0.99	[-]
0	Blank	C	17:15:52	-0.01	[C]
0	Baseline	C	17:17:52	-0.01	[C]
118	240-17422-F-3-E	-	17:19:52	-0.01	[-]
119	240-17422-F-5-E	-	17:21:52	0.00	[-]
120	240-17422-O-6-D	-	17:23:53	-0.04	[-]
121	240-17422-O-6-E MS	-	17:25:53	0.30	[-]
122	240-17422-O-6-F MSD	-	17:27:53	0.29	[-]
123	240-17467-P-2-D	-	17:29:53	-0.11	[-]
128	240-17467-P-2-E MS	-	17:31:53	0.43	[-]
129	240-17467-P-2-F MSD	-	17:33:53	0.37	[-]
130	240-17467-F-4-B	-	17:35:54	0.26	[-]
131	240-17477-A-6-AE	-	17:37:54	0.20	[-]
102	MRL	-	17:39:54	0.17	[-]
105	CCV	-	17:41:54	1.09	[-]
0	BLANK	C	17:43:54	0.04	[C]
0	Baseline	C	17:45:55	-0.01	[C]
132	240-17477-A-6-AF MS	-	17:47:55	0.36	[-]
133	240-17477-A-6-AG MSD	-	17:49:55	0.29	[-]
134	240-17477-F-7-D	-	17:51:55	0.03	[-]
135	240-17525-A-1-AC	-	17:53:55	0.02	[-]
136	240-17525-A-1-AD MS	-	17:55:55	0.36	[-]
137	240-17525-A-1-AE MSD	-	17:57:56	0.45	[-]
138	240-17525-F-2-D	-	17:59:56	0.03	[-]
139	240-17525-A-5-AB	-	18:01:56	0.02	[-]
140	240-17525-A-5-AC MS	-	18:03:56	0.43	[-]
141	240-17525-A-5-AD MSD	-	18:05:56	0.45	[-]
102	MRL	-	18:07:56	0.03	[-]
105	CCV	-	18:09:57	1.01	[-]
0	BLANK	C	18:11:57	-0.01	[C]
0	Baseline	C	18:13:57	-0.01	[C]
142	240-17525-F-6-D	-	18:15:57	0.04	[-]
102	MRL	-	18:17:57	0.04	[-]
105	CCV	-	18:19:57	1.01	[-]
0	BLANK	C	18:21:58	0.00	[C]
0	Baseline	C	18:23:58	-0.01	[C]

Nitrate/Nitrite:Calibration 1: Peak 3-57

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\112812B.RST
Date: 28-Nov-12
Operator: jb

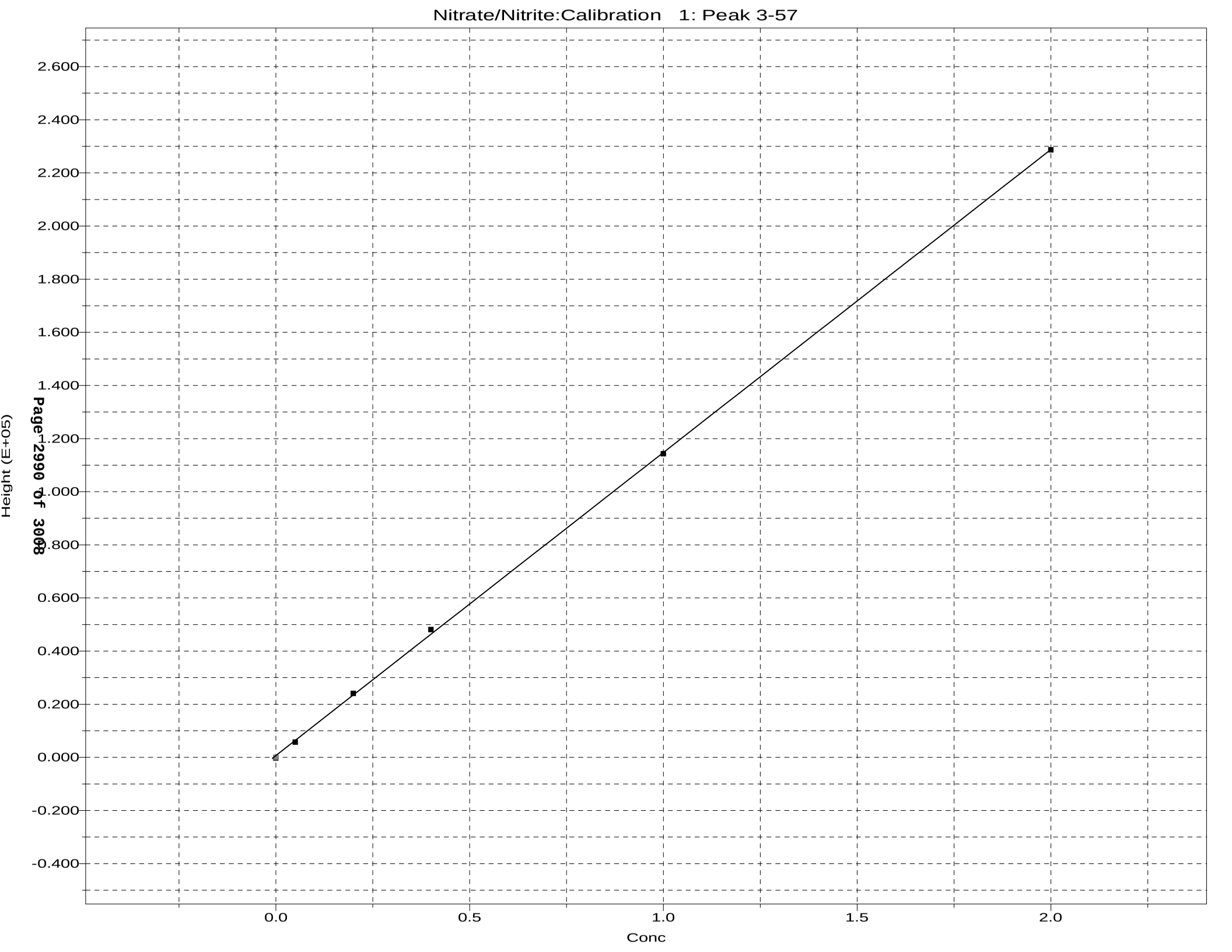
*	Name	Conc	Height
*	Cal 0	0.000000	-253.562958
*	Cal 1	0.050000	5695.653809
*	Cal 2	0.200000	24078.927734
*	Cal 3	0.400000	48095.308594
*	Cal 4	1.000000	114287.820312
*	Cal 5	2.000000	228686.546875

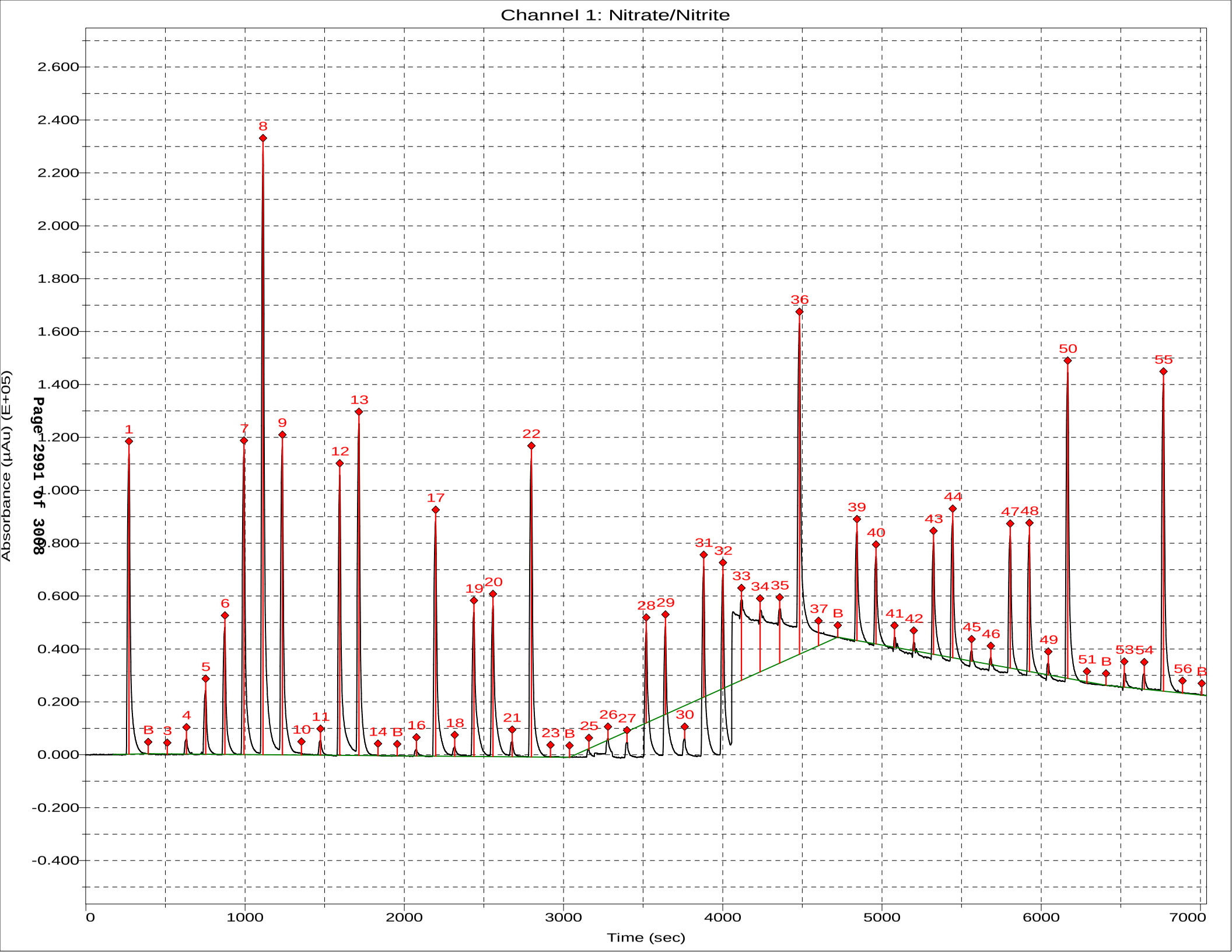
Calib Coef:
y=bx+a
a: (intercept) 7.1117e+02
b: 1.1406e+05

Corr Coef: 0.999934

Carryover: n/a

No Drift Peaks


Nitrate/Nitrite:Calibration 1: Peak 3-57
Height (E+05)
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
0.0
0.5
1.0
1.5
2.0
Conc


Channel 1: Nitrate/Nitrite
Absorbance (µAu) (E+05)
Time (sec)
Page 2991 of 3008
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
0
1000
2000
3000
4000
5000
6000
7000
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56
B

Peak Table:Nitrate/Nitrite

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\120412A.RST
Date: 04-Dec-12
Operator: jb

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	105	Sync	1	SYNC	1	1	123668	0.990130	
B	0	Baseline	1	RB	1	1	0	0.012342	BL
3	0	Cal 0	1	C	1	1	37	0.012634	
4	102	Cal 1	1	C	1	1	5697	0.057386	
5	103	Cal 2	1	C	1	1	24057	0.202548	
6	104	Cal 3	1	C	1	1	46192	0.377563	
7	105	Cal 4	1	C	1	1	123859	0.991640	
8	106	Cal 5	1	C	1	1	252434	2.008228	HI
9	107	ICV	1	U	1	1	124497	0.996681	FL
10	0	BLANK/ICB	1	BLNK	1	1	72	0.012911	
11	102	MRL	1	U	1	1	5462	0.055530	
12	108	NO2 1PPM	1	U	1	1	132671	1.061315	
13	109	NO3 1PPM	1	U	1	1	125651	1.005810	
14	0	Blank	1	BLNK	1	1	188	0.013830	
B	0	Baseline	1	RB	1	1	0	0.012342	BL
16	113	MB 320-6800/1-B	1	U	1	1	1168	0.021578	
17	114	LCS 320-6800/2-B	1	U	1	1	92930	0.747096	
18	115	240-17422-O-2-B	1	U	1	1	1277	0.022438	
19	116	240-17422-A-2-Y MS	1	U	1	1	114366	0.916585	
20	117	240-17422-A-2-Z MSD	1	U	1	1	119697	0.958732	
21	102	MRL	1	U	1	1	5430	0.055271	
22	105	CCV	1	U	1	1	125224	1.002429	
23	0	Blank	1	BLNK	1	1	102	0.013150	
B	0	Baseline	1	RB	1	1	0	0.012342	BL
25	118	240-17422-F-3-H	1	U	1	1	789	0.018577	
26	119	240-17422-F-5-H	1	U	1	1	738	0.018177	
27	120	240-17422-O-6-K	1	U	1	1	849	0.019055	
28	121	240-17422-A-6-AA MS	1	U	1	1	95275	0.765642	
29	122	240-17422-A-6-AB MSD	1	U	1	1	94608	0.760367	
30	123	240-17467-P-2-K	1	U	1	1	871	0.019228	
31	128	240-17467-A-2-J MS	1	U	1	1	96799	0.777686	
32	129	240-17467-A-2-K MSD	1	U	1	1	102071	0.819372	
33	130	240-17467-F-4-E	1	U	1	1	920	0.019614	
34	131	240-17477-P-6-B	1	U	1	1	1155	0.021476	
35	102	MRL	1	U	1	1	5294	0.054202	
36	105	CCV	1	U	1	1	123290	0.987141	
37	0	BLANK	1	BLNK	1	1	-125	0.011352	
B	0	Baseline	1	RB	1	1	0	0.012342	BL
39	132	240-17477-A-6-AM MS	1	U	1	1	89599	0.720764	
40	133	240-17477-A-6-AN MSD	1	U	1	1	87620	0.705113	
41	134	240-17477-F-7-G	1	U	1	1	997	0.020227	
42	135	240-17525-P-1-B	1	U	1	1	888	0.019366	
43	136	240-17525-A-1-AO MS	1	U	1	1	77320	0.623675	
44	137	240-17525-A-1-AP MSD	1	U	1	1	86309	0.694749	
45	138	240-17525-F-2-G	1	U	1	1	789	0.018582	
46	139	240-17525-O-5-C	1	U	1	1	700	0.017878	
47	140	240-17525-A-5-AJ MS	1	U	1	1	88267	0.710226	
48	141	240-17525-A-5-AK MSD	1	U	1	1	86016	0.692430	
49	102	MRL	1	U	1	1	5700	0.057411	
50	105	CCV	1	U	1	1	124778	0.998910	
51	0	BLANK	1	BLNK	1	1	13	0.012442	
B	0	Baseline	1	RB	1	1	0	0.012342	BL
53	142	240-17525-F-6-G	1	U	1	1	918	0.019597	
54	102	MRL	1	U	1	1	5920	0.059151	
55	105	CCV	1	U	1	1	124316	0.995253	
56	0	BLANK	1	BLNK	1	1	64	0.012844	
B	0	Baseline	1	RB	1	1	0	0.012342	BL

Report Results by Sample
Result path: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\120412A.RST
Sample table path: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\120412a.tbl
Method path: Y:\no3_no2.mth
Date acquired: 04-Dec-12
Time acquired: 15:39

Facility Name:
Facility Location:
Department:

Operator Name: jb
Operator ID: jb

Platform: FS III/IV
Software Rev Code: 210
Data system ID: 57

Channel: 1
Analysis: Nitrate/Nitrite
CAS Number:
Methodology: NO2+NO3-353.2/N02-353.2/WS-WC-0050

	Temp	Warmup	Run time	Reps
rack 1	Off	1134:03:50	1:38:15	14
rack 2	Off	1134:03:50	1:38:15	14
rack 3	Off	1134:03:50	1:38:15	14

Notes

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	13:44:03	0.01	[C]
0	Cal 0	C	13:46:04	0.01	[C]
102	Cal 1	C	13:48:04	0.06	[C]
103	Cal 2	C	13:50:04	0.20	[C]
104	Cal 3	C	13:52:04	0.38	[C]
105	Cal 4	C	13:54:04	0.99	[C]
106	Cal 5	C	13:56:04	2.01	[C]
107	ICV	-	13:58:05	1.00	[-]
0	BLANK/ICB	C	14:00:05	0.01	[C]
102	MRL	-	14:02:05	0.06	[-]
108	NO2 1PPM	-	14:04:05	1.06	[-]
109	NO3 1PPM	-	14:06:05	1.01	[-]
0	Blank	C	14:08:05	0.01	[C]
0	Baseline	C	14:10:06	0.01	[C]
113	MB 320-6800/1-B	-	14:12:06	0.02	[-]
114	LCS 320-6800/2-B	-	14:14:06	0.75	[-]
115	240-17422-O-2-B	-	14:16:06	0.02	[-]
116	240-17422-A-2-Y MS	-	14:18:06	0.92	[-]
117	240-17422-A-2-Z MSD	-	14:20:07	0.96	[-]
102	MRL	-	14:22:07	0.06	[-]
105	CCV	-	14:24:07	1.00	[-]
0	Blank	C	14:26:07	0.01	[C]
0	Baseline	C	14:28:07	0.01	[C]
118	240-17422-F-3-H	-	14:30:07	0.02	[-]
119	240-17422-F-5-H	-	14:32:08	0.02	[-]
120	240-17422-O-6-K	-	14:34:08	0.02	[-]
121	240-17422-A-6-AA MS	-	14:36:08	0.77	[-]
122	240-17422-A-6-AB MSD	-	14:38:08	0.76	[-]
123	240-17467-P-2-K	-	14:40:08	0.02	[-]
128	240-17467-A-2-J MS	-	14:42:08	0.78	[-]
129	240-17467-A-2-K MSD	-	14:44:09	0.82	[-]
130	240-17467-F-4-E	-	14:46:09	0.02	[-]
131	240-17477-P-6-B	-	14:48:09	0.02	[-]
102	MRL	-	14:50:09	0.05	[-]
105	CCV	-	14:52:09	0.99	[-]
0	BLANK	C	14:54:10	0.01	[C]
0	Baseline	C	14:56:10	0.01	[C]
132	240-17477-A-6-AM MS	-	14:58:10	0.72	[-]
133	240-17477-A-6-AN MSD	-	15:00:10	0.71	[-]
134	240-17477-F-7-G	-	15:02:10	0.02	[-]
135	240-17525-P-1-B	-	15:04:10	0.02	[-]
136	240-17525-A-1-AO MS	-	15:06:11	0.62	[-]
137	240-17525-A-1-AP MSD	-	15:08:11	0.69	[-]
138	240-17525-F-2-G	-	15:10:11	0.02	[-]
139	240-17525-O-5-C	-	15:12:11	0.02	[-]
140	240-17525-A-5-AJ MS	-	15:14:11	0.71	[-]
141	240-17525-A-5-AK MSD	-	15:16:11	0.69	[-]
102	MRL	-	15:18:12	0.06	[-]
105	CCV	-	15:20:12	1.00	[-]
0	BLANK	C	15:22:12	0.01	[C]
0	Baseline	C	15:24:12	0.01	[C]
142	240-17525-F-6-G	-	15:26:12	0.02	[-]
102	MRL	-	15:28:12	0.06	[-]
105	CCV	-	15:30:13	1.00	[-]
0	BLANK	C	15:32:13	0.01	[C]
0	Baseline	C	15:34:13	0.01	[C]

Nitrate/Nitrite:Calibration 1: Peak 3-57

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\120412A.RST
Date: 04-Dec-12
Operator: jb

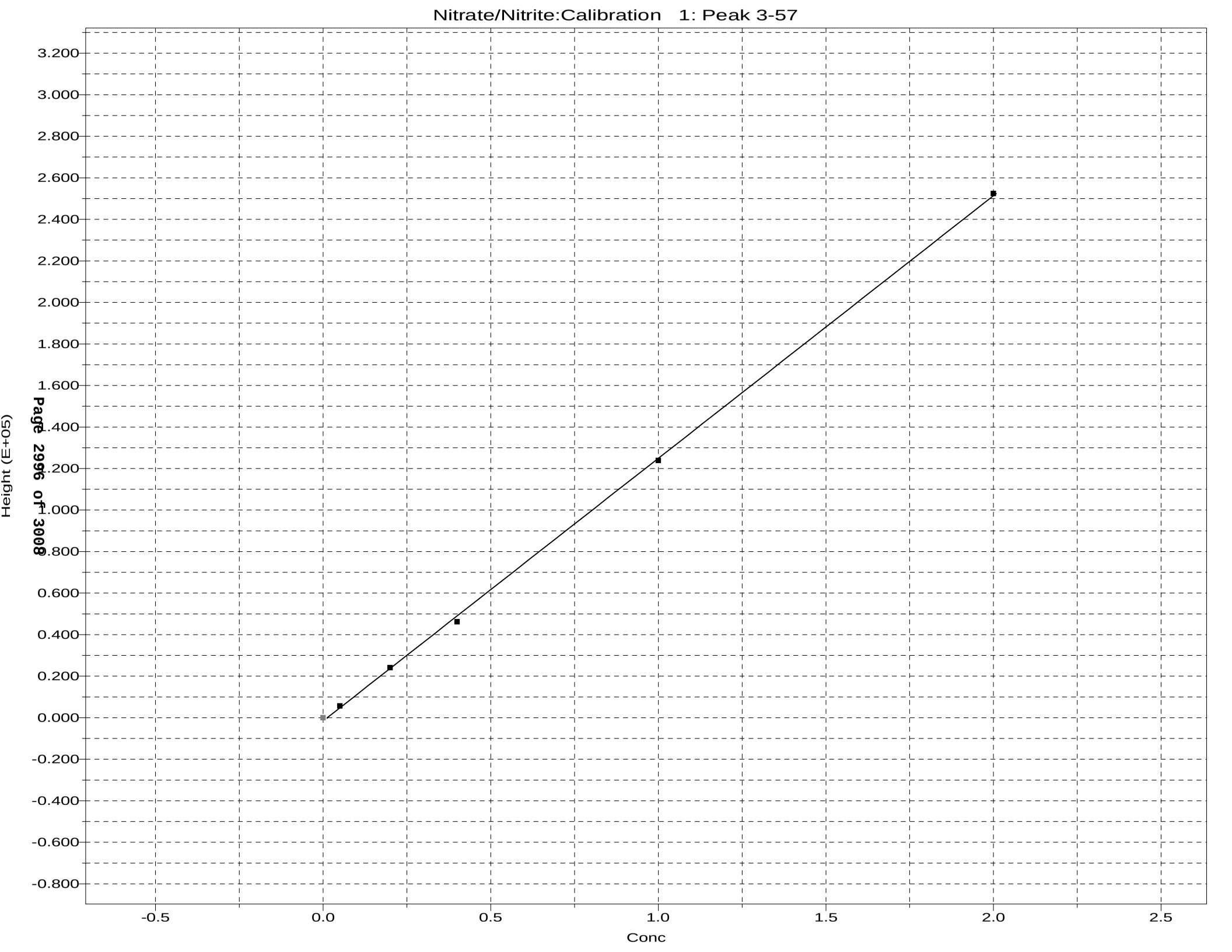
*	Name	Conc	Height
*	Cal 0	0.000000	37.029968
*	Cal 1	0.050000	5697.100586
*	Cal 2	0.200000	24056.808594
*	Cal 3	0.400000	46192.238281
*	Cal 4	1.000000	123858.960938
*	Cal 5	2.000000	252434.140625

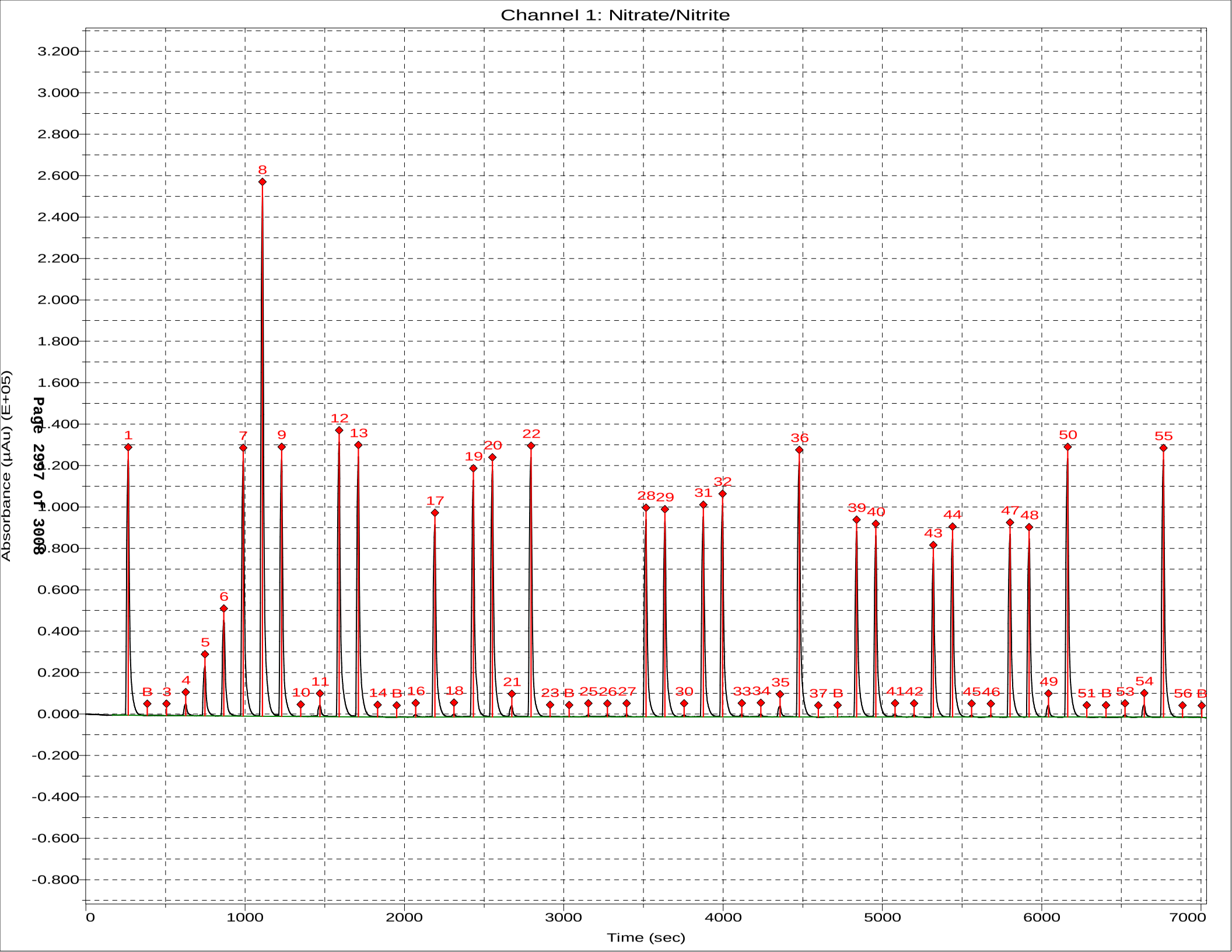
Calib Coef:
y=bx+a
a: (intercept) -1.5609e+03
b: 1.2648e+05

Corr Coef: 0.999856

Carryover: n/a

No Drift Peaks


Nitrate/Nitrite:Calibration 1: Peak 3-57
3.200
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-0.600
-0.800
Height (E+05)
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
Conc


Channel 1: Nitrate/Nitrite
Absorbance (µAu) (E+05)
Time (sec)
Page 2997 of 3008
3.200
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-0.600
-0.800
0
1000
2000
3000
4000
5000
6000
7000
1 B 3 4 5 6 7 8 9 10 11 12 13 14 B 16 17 18 19 20 21 22 23 B 25 26 27 28 29 30 31 32 33 34 35 36 37 B 39 40 41 42 43 44 45 46 47 48 49 50 51 B 53 54 55 56 B

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Level I and Level II Review Checklist
General Chemistry

Instrument ID F54		WS-WC-0050 NCell	
Batch 6836	File # 120412A	Date 12/4/12	Analyst

Lot Numbers 240-17422, 240-17467, 240-17477, 240-17525

	YES	NO	NA
LEVEL 1 Review:			
1. Samples properly preserved/verified	✓		
2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)	✓		
3. Calibration criteria met (R=0.995, R^2=0.990)	✓		
4. Interception criteria for quadratic fits + or – ½ the RL			✓
5. Second source std in control	✓		
6. Batch QC in control (LCS,MB,MS/MSD,DCS if necessary)	✓		
7. Calculations checked	✓		
8. QAS/QAPP consulted for client specific requirements	✓		
9. Standard traking #'s recorded on runlog/benchsheet	✓		
10. Manual integration performed, documented & approved			✓
11. Copy of run log included with data package	✓		
12. Copy of conductivity screen logbook (314.0 only)			✓
LEVEL 1 Data Review:			
1. Benchsheet complete	✓		
2. QAS/QAPP Consulted for client specific data entry	✓		
3. Copy of prep sheet/checklist submitted	✓		
4. NCM(s) submitted	①✓		

COMMENTS: See NCM for reanalysis @ 1.0x JR 12/6/12

REVIEWED BY: LW
DATE: 12/6/12

DATA ENTERED BY:
DATE: JR 12/6/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17477-1

SDG No.:

Batch Number: 65100 Batch Start Date: 11/15/12 08:05 Batch Analyst: Grossman, Lucas

Batch Method: Moisture Batch End Date: 11/16/12 11:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-17477-A-5	079SS-0003M-0001-SO	Moisture	T	4.3840 g	10.5863 g	10.5232 g			
240-17477-D-7	079SS-0005M-0001-SO	Moisture	T	4.3840 g	9.8940 g	8.3998 g			
240-17477-J-6 DU	079SS-0004M-0001-SO	Moisture	T	4.3840 g	11.5165 g	9.3753 g			
240-17477-K-6	079SS-0004M-0001-SO	Moisture	T	4.3840 g	9.8412 g	8.3410 g			

Batch Notes	
Balance ID	Bo47 No Unit
Date samples were placed in the oven	11/15/12
Oven Temp when samples are put in oven	103.3 Degrees C
Time samples were place in the oven	9:30
Date samples were removed from oven	11/16/12
Oven Temp when samples removed from oven	103.9 Degrees C
Time Samples were removed from oven	5:30
Oven ID	002
ID number of the thermometer	Tempguard Box C #6

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Batch Number: 6800 Batch Start Date: 12/03/12 12:49 Batch Analyst: Phan, Tuan

Batch Method: 353.2 (NCell) Batch End Date: 12/03/12 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
MB 320-6800/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL				
LCS 320-6800/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL	1 mL			
240-17477-P-6	079SS-0004M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.04 g	45 mL				
240-17477-A-6 MS	079SS-0004M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.03 g	45 mL	1 mL			
240-17477-A-6 MSD	079SS-0004M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.03 g	45 mL	1 mL			
240-17477-F-7	079SS-0005M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.08 g	45 mL				

Batch Notes	
1:1 MeOH/H2O	HPHeOH/H2O_00002
Acetone Lot #	ACETONE_00004
Centrifuge Tube	2195825

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Batch Number: 6824 Batch Start Date: 12/04/12 05:30 Batch Analyst: Phan, Tuan

Batch Method: 353 (NCell-Hyd) Batch End Date: 12/04/12 08:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-6800/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-6800/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-17477-P-6-A	079SS-0004M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17477-A-6-A K MS	079SS-0004M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17477-A-6-A L MSD	079SS-0004M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-17477-F-7-F	079SS-0005M-0001 -SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2DA02309
Centrifuge Tube	2195825
Sulfuric Acid Lot Number	SULFURIC ACID_00001
Millipore Water Dispense Date	11/26/12
NaOH Lot #	SODIUM HYDROX_00001

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica West Sacramento Job No.: 240-17477-1

SDG No.:

Batch Number: 6863 Batch Start Date: 12/04/12 13:44 Batch Analyst: Baynes, Jason

Batch Method: WS-WC-0050 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00010	WC-353.2-L1 00011	WC-353.2-L4 00008			
ICV 320-6863/8		WS-WC-0050		# mL					
MRL 320-6863/20		WS-WC-0050			# mL				
CCV 320-6863/21		WS-WC-0050				# mL			
MRL 320-6863/34		WS-WC-0050			# mL				
CCV 320-6863/35		WS-WC-0050				# mL			
MRL 320-6863/48		WS-WC-0050			# mL				
CCV 320-6863/49		WS-WC-0050				# mL			

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	4525-WC-14-2 e. 2/2/13
NO2/NO3 Indicator ID #	4525-WC-16-1 e. 12/3/13

Basis	Basis Description

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record

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TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECC	Client Project Manager: AL EASTERDAY	Site Contact: JEFF DONOVAN	Lab Contact: MARK LOEB	COC No: 048641
Address: 33 BOSTON POST RD W. #420	Telephone:	Telephone: 508-509-1284	Telephone:	1 of 1 COCs
City/State/Zip: MARLBORO MA 01752	Email:	Analysis Turnaround Time (In BUSINESS days)	Analyses	For lab use only
Phone:		TAT if different from below STANDARD ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: RAVENNA	Method of Shipment/Carrier: LAB PICK UP			Job/SDG No:
Project Number:	Shipping/Tracking No:			
PO #				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other: DI	Containers & Preservatives: Plastic/Glass	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other: DI	Filtered Sample (Y / N)	Composite = C; Grab = G	SVOC	PCB	TAL METALS	VOC	PESTICIDE	EXPLOSIVES	PROPELLANTS	Sample Specific Notes / Special Instructions:
0685W-0013-0001-SW	11-8-12	1400		X					X				X				X	X	X					
0685W-0014-0001-SW		1325		X					X				X				X	X	X					
0685W-0015-0001-SW		1340		X					X				X				X	X	X					
0685W-0016-0001-SW		1325		X					X				X				X	X	X					
0685W-0016-0002-SW		1325		X					X				X				X	X	X					MS/MSD
07955-0003M-0001-SO	11-9-12	1210				X													X					
07955-0004M-0001-SO		1110				X			X				X	X			X	X	X	X	X	X	X	
07955-0004M-0002-SO		1110				X			X				X	X			X	X	X	X	X	X	X	MS/MSD
07955-0005M-0001-SO		1110				X			X				X	X			X	X	X	X	X	X	X	
07955-0006-0001-TB		0800					X			X				X					X					TRIP BLANK

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Jeff Donovan	ECC	11-9-12-1410		TAL-NC	11-9-12-1410
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAL-NC	11-9-12-1700			
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				JA	11/9/12-1700

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TestAmerica Canton Sample Receipt Form/Narrative Login # : 19477

Client ECC Site Name Ravenna By: _____

Cooler Received on 11/9/12 Opened on _____ (Signature)

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off ~~TestAmerica Courier~~ Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other Multiple

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: ~~Wet Ice~~ Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –2 °C)	Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
~~IR GUN# 4G~~	(CF 0 °C)	Observed Sample Temp._____°C	Corrected Sample Temp._____°C	☐ Multiple on Back
IR GUN# 5G	(CF 0 °C)	Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 8	(CF 0 °C)	Observed Sample Temp._____°C	Corrected Sample Temp._____°C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes (No)
   - Were custody seals on the outside of the cooler(s) signed & dated? Yes No (NA)
   - Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? Yes (No)
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? ~~Yes~~ No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? (Yes) No NA
11. Were VOAs on the COC? (Yes) No
12. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
13. Was a trip blank present in the cooler(s)? (Yes) No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
0013	<2	11/9/12	TB
14	<2	"	"
15	<2	"	"
16	<2, <2, <2	"	"

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
CANTON	1.4	1.4	56	ICE
A831	2.8	2.8	"	"

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-17477-1

Login Number: 17477

List Source: TestAmerica West Sacramento

List Number: 1

List Creation: 11/21/12 10:00 AM

Creator: Sadler, Jeremy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	2.3
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Job Number: 240-22141-1

Job Description: RVAAP - ECC

For:
Environmental Chemical Corp.
33 Boston Post Road West
Suite 40
Marlborough, MA 01752

Attention: Mr. Jackson Kiker

Approved for release.
Mark J Loeb
Project Manager II
4/30/2013 7:41 AM

Mark J Loeb
Project Manager II
mark.loeb@testamericainc.com
04/30/2013

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Laboratories, Inc.
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CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-22141-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The 6020 Metals analysis was performed at the TestAmerica Pittsburgh Laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

TestAmerica utilizes USEPA approved methods and DOD QSM, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

All parameters for which TestAmerica North Canton has certification were evaluated to the limit of detection (LOD) and include qualified results where applicable. Parameters not certified under QSM, if any, were evaluated to the detection limit (DL) and include qualified results where applicable.

The sample(s) that contain constituents flagged with U are undetected. The result associated with this flag is the limit of detection (LOD).

RECEIPT

The samples were received on 03/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 4.2, 4.4 and 4.8 C.

TOTAL METALS (ICPMS)

Samples 079SS-0182M-0001-SO (240-22141-1), 079SS-0184M-0001-SO (240-22141-2), 079SS-0185M-0001-SO (240-22141-3), 079SS-0186M-0001-SO (240-22141-4), 079SS-0187M-0001-SO (240-22141-5), 079SS-0188M-0001-SO (240-22141-6), 079SS-0189M-0001-SO (240-22141-7), 079SS-0190M-0001-SO (240-22141-8), 079SS-0191M-0001-SO (240-22141-9), 079SS-0192M-0001-SO (240-22141-10), 079SS-0193M-0001-SO (240-22141-11), 079SB-0195M-0001-SO (240-22141-12), 079SB-0196M-0001-SO (240-22141-13), 079SB-0197M-0001-SO (240-22141-14), 079SB-0198M-0001-SO (240-22141-15), 079SB-0199M-0001-SO (240-22141-16), 079SB-0200M-0001-SO (240-22141-17), 079SB-0201M-0001-SO (240-22141-18), 079SB-0204M-0001-SO (240-22141-21), 079SB-0206M-0001-SO (240-22141-22), 079SB-0207M-0001-SO (240-22141-23), 079SB-0208M-0001-SO (240-22141-24), 079SB-0209M-0001-SO (240-22141-25), 079SB-0210M-0001-SO (240-22141-26), 079SB-0211M-0001-SO (240-22141-27), 079SS-0317M-0001-SO (240-22141-30) and 079SS-0318M-0001-SO (240-22141-31) were analyzed for total metals (ICPMS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 6020 DoD. Samples 079SS-0202-0001-SO (240-22141-19), 079SS-0203-0001-SO (240-22141-20), 079SS-0212-0001-SO (240-22141-28) and 079SS-0213-0001-SO (240-22141-29) were analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020 DoD and did not go through the incremental samples process. The samples started the drying process on 03/20/2013, were prepared on 03/29/2013 and analyzed on 04/10/2013, 04/11/2013 and 04/12/2013.

ICB, CCB, and ICSA samples are evaluated using the lowest LOD and DL criteria in LIMS. Using this criteria, an individual element may occasionally be flagged as out of control. If the element has a higher LOD or DL, the data is evaluated to the higher limit and determined to be acceptable.

Several analytes were detected in method blank MB 180-67702/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Potassium was detected in method blank MB 180-67705/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Lead failed the recovery criteria low for the MS of sample 079SS-0182M-0001-SOMS (240-22141-1) in batch 180-69084. Aluminum, Iron and Manganese failed the recovery criteria high.

For the MSD of sample 079SS-0182M-0001-SOMSD (240-22141-1) in batch 180-69084, Lead failed the recovery criteria low. Aluminum, Barium, Iron and Manganese failed the recovery criteria high. Also, Barium exceeded the rpd limit.

Iron and Manganese failed the recovery criteria low for the MS of sample 079SB-0204M-0001-SOMS (240-22141-21) in batch 180-68949. Aluminum failed the recovery criteria high.

Manganese failed the recovery criteria low for the MSD of sample 079SB-0204M-0001-SOMSD (240-22141-21) in batch 180-68949. Aluminum and Iron failed the recovery criteria high.

Samples 079SS-0182M-0001-SO (240-22141-1)[10X], 079SS-0184M-0001-SO (240-22141-2)[100X], 079SS-0185M-0001-SO (240-22141-3)[100X], 079SS-0186M-0001-SO (240-22141-4)[10X], 079SS-0187M-0001-SO (240-22141-5)[10X], 079SS-0188M-0001-SO (240-22141-6)[100X], 079SS-0189M-0001-SO (240-22141-7)[100X], 079SS-0190M-0001-SO (240-22141-8)[10X], 079SS-0192M-0001-SO (240-22141-10)[100X], 079SS-0193M-0001-SO (240-22141-11)[100X], 079SS-0202-0001-SO (240-22141-19)[10X], 079SS-0317M-0001-SO (240-22141-30)[10X] and 079SS-0318M-0001-SO (240-22141-31)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples were diluted to bring the concentration of manganese within the linear range of the instrument: (240-22141-1 MS), (240-22141-1 MSD), (240-22141-1 PDS), (240-22141-1 SD), 079SS-0182M-0001-SO (240-22141-1), 079SS-0184M-0001-SO (240-22141-2), 079SS-0185M-0001-SO (240-22141-3), 079SS-0186M-0001-SO (240-22141-4), 079SS-0187M-0001-SO (240-22141-5), 079SS-0188M-0001-SO (240-22141-6), 079SS-0189M-0001-SO (240-22141-7), 079SS-0190M-0001-SO (240-22141-8), 079SS-0192M-0001-SO (240-22141-10), 079SS-0193M-0001-SO (240-22141-11), 079SS-0202-0001-SO (240-22141-19), 079SS-0317M-0001-SO (240-22141-30), 079SS-0318M-0001-SO (240-22141-31). Elevated reporting limits (RLs) are provided.

The interference check standard solution (ICSA) associated with batches 67702 and 67705 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with batch 67705 were outside of the control limits for antimony: 079SB-0204M-0001-SO (240-22141-21). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Due to the high concentration of several analytes, the matrix spike / matrix spike duplicate (MS/MSD) for batch 67705 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 67702 was outside of the control limits for barium. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Due to the high concentration of several analytes, the matrix spike / matrix spike duplicate (MS/MSD) for batch 67702 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

MERCURY WITH INCREMENTAL SAMPLE PREPARATION

Samples 079SS-0182M-0001-SO (240-22141-1), 079SS-0184M-0001-SO (240-22141-2), 079SS-0185M-0001-SO (240-22141-3), 079SS-0186M-0001-SO (240-22141-4), 079SS-0187M-0001-SO (240-22141-5), 079SS-0188M-0001-SO (240-22141-6), 079SS-0189M-0001-SO (240-22141-7), 079SS-0190M-0001-SO (240-22141-8), 079SS-0191M-0001-SO (240-22141-9), 079SS-0192M-0001-SO (240-22141-10), 079SS-0193M-0001-SO (240-22141-11), 079SB-0195M-0001-SO (240-22141-12), 079SB-0196M-0001-SO (240-22141-13), 079SB-0197M-0001-SO (240-22141-14), 079SB-0198M-0001-SO (240-22141-15), 079SB-0199M-0001-SO (240-22141-16), 079SB-0200M-0001-SO (240-22141-17), 079SB-0201M-0001-SO (240-22141-18), 079SB-0204M-0001-SO (240-22141-21), 079SB-0206M-0001-SO (240-22141-22), 079SB-0207M-0001-SO (240-22141-23), 079SB-0208M-0001-SO (240-22141-24), 079SB-0209M-0001-SO (240-22141-25), 079SB-0210M-0001-SO (240-22141-26), 079SB-0211M-0001-SO (240-22141-27), 079SS-0317M-0001-SO (240-22141-30) and 079SS-0318M-0001-SO (240-22141-31) were analyzed for mercury with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance ISM, February 2012 and EPA SW-846 Method 7471A DOD. The samples started the drying process on 03/20/2013, were prepared on 03/27/2013 and 03/28/2013 and analyzed on 03/27/2013 and 04/02/2013.

No difficulties were encountered during the mercury analyses. All quality control parameters were within the acceptance limits.

MERCURY

Samples 079SS-0202-0001-SO (240-22141-19), 079SS-0203-0001-SO (240-22141-20), 079SS-0212-0001-SO (240-22141-28) and 079SS-0213-0001-SO (240-22141-29) were analyzed for mercury in accordance with EPA SW-846 Method 7471A DOD. The samples were prepared on 03/26/2013 and analyzed on 03/27/2013.

No difficulties were encountered during the mercury analyses. All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 079SS-0182M-0001-SO (240-22141-1), 079SS-0184M-0001-SO (240-22141-2), 079SS-0185M-0001-SO (240-22141-3), 079SS-0186M-0001-SO (240-22141-4), 079SS-0187M-0001-SO (240-22141-5), 079SS-0188M-0001-SO (240-22141-6), 079SS-0189M-0001-SO (240-22141-7), 079SS-0190M-0001-SO (240-22141-8), 079SS-0191M-0001-SO (240-22141-9), 079SS-0192M-0001-SO (240-22141-10), 079SS-0193M-0001-SO (240-22141-11), 079SB-0195M-0001-SO (240-22141-12), 079SB-0196M-0001-SO (240-22141-13), 079SB-0197M-0001-SO (240-22141-14), 079SB-0198M-0001-SO (240-22141-15), 079SB-0199M-0001-SO (240-22141-16), 079SB-0200M-0001-SO (240-22141-17), 079SB-0201M-0001-SO (240-22141-18), 079SS-0202-0001-SO (240-22141-19), 079SS-0203-0001-SO (240-22141-20), 079SB-0204M-0001-SO (240-22141-21), 079SB-0206M-0001-SO (240-22141-22), 079SB-0207M-0001-SO (240-22141-23), 079SB-0208M-0001-SO (240-22141-24), 079SB-0209M-0001-SO (240-22141-25), 079SB-0210M-0001-SO (240-22141-26), 079SB-0211M-0001-SO (240-22141-27), 079SS-0212-0001-SO (240-22141-28), 079SS-0213-0001-SO (240-22141-29), 079SS-0317M-0001-SO (240-22141-30) and 079SS-0318M-0001-SO (240-22141-31) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 03/28/2013.

No difficulties were encountered during the % solids analyses. All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-22141-1	079SS-0182M-0001-SO	Solid	03/18/2013 1007	03/19/2013 1716
240-22141-2	079SS-0184M-0001-SO	Solid	03/18/2013 1040	03/19/2013 1716
240-22141-3	079SS-0185M-0001-SO	Solid	03/18/2013 1415	03/19/2013 1716
240-22141-4	079SS-0186M-0001-SO	Solid	03/18/2013 1100	03/19/2013 1716
240-22141-5	079SS-0187M-0001-SO	Solid	03/18/2013 1130	03/19/2013 1716
240-22141-6	079SS-0188M-0001-SO	Solid	03/18/2013 1405	03/19/2013 1716
240-22141-7	079SS-0189M-0001-SO	Solid	03/18/2013 1225	03/19/2013 1716
240-22141-8	079SS-0190M-0001-SO	Solid	03/18/2013 1230	03/19/2013 1716
240-22141-9	079SS-0191M-0001-SO	Solid	03/18/2013 1430	03/19/2013 1716
240-22141-10	079SS-0192M-0001-SO	Solid	03/18/2013 1318	03/19/2013 1716
240-22141-11	079SS-0193M-0001-SO	Solid	03/18/2013 1530	03/19/2013 1716
240-22141-12	079SB-0195M-0001-SO	Solid	03/18/2013 1446	03/19/2013 1716
240-22141-13	079SB-0196M-0001-SO	Solid	03/18/2013 1447	03/19/2013 1716
240-22141-14	079SB-0197M-0001-SO	Solid	03/18/2013 1425	03/19/2013 1716
240-22141-15	079SB-0198M-0001-SO	Solid	03/18/2013 1340	03/19/2013 1716
240-22141-16	079SB-0199M-0001-SO	Solid	03/18/2013 1233	03/19/2013 1716
240-22141-17	079SB-0200M-0001-SO	Solid	03/18/2013 1143	03/19/2013 1716
240-22141-18	079SB-0201M-0001-SO	Solid	03/18/2013 1255	03/19/2013 1716
240-22141-19	079SS-0202-0001-SO	Solid	03/18/2013 1253	03/19/2013 1716
240-22141-20	079SS-0203-0001-SO	Solid	03/18/2013 1255	03/19/2013 1716
240-22141-21	079SB-0204M-0001-SO	Solid	03/18/2013 1808	03/19/2013 1716
240-22141-22	079SB-0206M-0001-SO	Solid	03/18/2013 1810	03/19/2013 1716
240-22141-23	079SB-0207M-0001-SO	Solid	03/18/2013 1556	03/19/2013 1716
240-22141-24	079SB-0208M-0001-SO	Solid	03/18/2013 1610	03/19/2013 1716
240-22141-25	079SB-0209M-0001-SO	Solid	03/18/2013 1805	03/19/2013 1716
240-22141-26	079SB-0210M-0001-SO	Solid	03/18/2013 1815	03/19/2013 1716
240-22141-27	079SB-0211M-0001-SO	Solid	03/18/2013 1600	03/19/2013 1716
240-22141-28	079SS-0212-0001-SO	Solid	03/18/2013 1640	03/19/2013 1716
240-22141-29	079SS-0213-0001-SO	Solid	03/18/2013 1642	03/19/2013 1716
240-22141-30	079SS-0317M-0001-SO	Solid	03/18/2013 1700	03/19/2013 1716
240-22141-31	079SS-0318M-0001-SO	Solid	03/18/2013 1705	03/19/2013 1716

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-1	**079SS-0182M-0001-SO**					
Silver		0.26		0.091	mg/Kg	6020/DOD
Aluminum		13000	J	2.7	mg/Kg	6020/DOD
Arsenic		12	J	0.091	mg/Kg	6020/DOD
Barium		310	Q J	0.91	mg/Kg	6020/DOD
Beryllium		0.61		0.091	mg/Kg	6020/DOD
Calcium		3800		9.1	mg/Kg	6020/DOD
Cadmium		0.28		0.091	mg/Kg	6020/DOD
Chromium		28		0.18	mg/Kg	6020/DOD
Cobalt		7.6	Q	0.045	mg/Kg	6020/DOD
Copper		12	Q	0.18	mg/Kg	6020/DOD
Iron		19000	J	4.5	mg/Kg	6020/DOD
Magnesium		2700		9.1	mg/Kg	6020/DOD
Manganese		13000	D J	4.5	mg/Kg	6020/DOD
Sodium		81		9.1	mg/Kg	6020/DOD
Nickel		31		0.091	mg/Kg	6020/DOD
Lead		25	J	0.091	mg/Kg	6020/DOD
Antimony		0.059	J	0.18	mg/Kg	6020/DOD
Thallium		0.50		0.091	mg/Kg	6020/DOD
Vanadium		23		0.091	mg/Kg	6020/DOD
Zinc		98	Q	0.45	mg/Kg	6020/DOD
Potassium		900		9.1	mg/Kg	6020/DOD
Selenium		0.49		0.45	mg/Kg	6020/DOD
Mercury		0.055	J	0.10	mg/Kg	7471/DOD
Percent Solids		98	H	0.10	%	Moisture
Percent Moisture		1.7	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-2	**079SS-0184M-0001-SO**					
Silver		0.34		0.095	mg/Kg	6020/DOD
Aluminum		11000		2.9	mg/Kg	6020/DOD
Arsenic		14		0.095	mg/Kg	6020/DOD
Barium		1000	Q	0.95	mg/Kg	6020/DOD
Beryllium		0.55		0.095	mg/Kg	6020/DOD
Calcium		1200		9.5	mg/Kg	6020/DOD
Cadmium		0.32		0.095	mg/Kg	6020/DOD
Chromium		13		0.19	mg/Kg	6020/DOD
Cobalt		9.7	Q	0.048	mg/Kg	6020/DOD
Copper		16	Q	0.19	mg/Kg	6020/DOD
Iron		21000		4.8	mg/Kg	6020/DOD
Magnesium		1800		9.5	mg/Kg	6020/DOD
Manganese		27000	D	48	mg/Kg	6020/DOD
Sodium		56		9.5	mg/Kg	6020/DOD
Nickel		29		0.095	mg/Kg	6020/DOD
Lead		46		0.095	mg/Kg	6020/DOD
Antimony		0.21		0.19	mg/Kg	6020/DOD
Thallium		0.30		0.095	mg/Kg	6020/DOD
Vanadium		27		0.095	mg/Kg	6020/DOD
Zinc		140	Q	0.48	mg/Kg	6020/DOD
Potassium		830		9.5	mg/Kg	6020/DOD
Selenium		0.47	J	0.48	mg/Kg	6020/DOD
Mercury		0.045	J	0.11	mg/Kg	7471/DOD
Percent Solids		98	H	0.10	%	Moisture
Percent Moisture		1.9	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-3	**079SS-0185M-0001-SO**					
Silver		4.3		0.089	mg/Kg	6020/DOD
Aluminum		11000		2.7	mg/Kg	6020/DOD
Arsenic		44		0.089	mg/Kg	6020/DOD
Barium		1100	Q	0.89	mg/Kg	6020/DOD
Beryllium		0.80		0.089	mg/Kg	6020/DOD
Calcium		5600		8.9	mg/Kg	6020/DOD
Cadmium		1.2		0.089	mg/Kg	6020/DOD
Chromium		35		0.18	mg/Kg	6020/DOD
Cobalt		10	Q	0.045	mg/Kg	6020/DOD
Copper		20	Q	0.18	mg/Kg	6020/DOD
Iron		18000		4.5	mg/Kg	6020/DOD
Magnesium		4500		8.9	mg/Kg	6020/DOD
Manganese		47000	D	45	mg/Kg	6020/DOD
Sodium		120		8.9	mg/Kg	6020/DOD
Nickel		43		0.089	mg/Kg	6020/DOD
Lead		200		0.089	mg/Kg	6020/DOD
Antimony		0.19		0.18	mg/Kg	6020/DOD
Thallium		1.1		0.089	mg/Kg	6020/DOD
Vanadium		24		0.089	mg/Kg	6020/DOD
Zinc		670	Q	0.45	mg/Kg	6020/DOD
Potassium		1300		8.9	mg/Kg	6020/DOD
Selenium		0.53		0.45	mg/Kg	6020/DOD
Mercury		0.11		0.11	mg/Kg	7471/DOD
Percent Solids		98	H	0.10	%	Moisture
Percent Moisture		1.5	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-4	**079SS-0186M-0001-SO**					
Silver		0.042	J	0.086	mg/Kg	6020/DOD
Aluminum		12000		2.6	mg/Kg	6020/DOD
Arsenic		13		0.086	mg/Kg	6020/DOD
Barium		150	Q	0.86	mg/Kg	6020/DOD
Beryllium		0.78		0.086	mg/Kg	6020/DOD
Calcium		13000		8.6	mg/Kg	6020/DOD
Cadmium		0.20		0.086	mg/Kg	6020/DOD
Chromium		66		0.17	mg/Kg	6020/DOD
Cobalt		8.8	Q	0.043	mg/Kg	6020/DOD
Copper		11	Q	0.17	mg/Kg	6020/DOD
Iron		18000		4.3	mg/Kg	6020/DOD
Magnesium		3800		8.6	mg/Kg	6020/DOD
Manganese		3300	D	4.3	mg/Kg	6020/DOD
Sodium		100		8.6	mg/Kg	6020/DOD
Nickel		47		0.086	mg/Kg	6020/DOD
Lead		39		0.086	mg/Kg	6020/DOD
Antimony		0.058	J	0.17	mg/Kg	6020/DOD
Thallium		0.15		0.086	mg/Kg	6020/DOD
Vanadium		19		0.086	mg/Kg	6020/DOD
Zinc		44	Q	0.43	mg/Kg	6020/DOD
Potassium		730		8.6	mg/Kg	6020/DOD
Selenium		0.47		0.43	mg/Kg	6020/DOD
Mercury		0.042	J	0.11	mg/Kg	7471/DOD
Percent Solids		98	H	0.10	%	Moisture
Percent Moisture		1.6	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-5	**079SS-0187M-0001-SO**					
Silver		0.038	J	0.095	mg/Kg	6020/DOD
Aluminum		13000		2.9	mg/Kg	6020/DOD
Arsenic		9.6		0.095	mg/Kg	6020/DOD
Barium		150	Q	0.95	mg/Kg	6020/DOD
Beryllium		0.50		0.095	mg/Kg	6020/DOD
Calcium		1400		9.5	mg/Kg	6020/DOD
Cadmium		0.14		0.095	mg/Kg	6020/DOD
Chromium		96		0.19	mg/Kg	6020/DOD
Cobalt		9.8	Q	0.048	mg/Kg	6020/DOD
Copper		11	Q	0.19	mg/Kg	6020/DOD
Iron		23000		4.8	mg/Kg	6020/DOD
Magnesium		3100		9.5	mg/Kg	6020/DOD
Manganese		3500	D	4.8	mg/Kg	6020/DOD
Sodium		94		9.5	mg/Kg	6020/DOD
Nickel		76		0.095	mg/Kg	6020/DOD
Lead		14		0.095	mg/Kg	6020/DOD
Thallium		0.17		0.095	mg/Kg	6020/DOD
Vanadium		25		0.095	mg/Kg	6020/DOD
Zinc		42	Q	0.48	mg/Kg	6020/DOD
Potassium		770		9.5	mg/Kg	6020/DOD
Selenium		0.36	J	0.48	mg/Kg	6020/DOD
Mercury		0.035	J	0.098	mg/Kg	7471/DOD
Percent Solids		98	H	0.10	%	Moisture
Percent Moisture		1.5	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-6	**079SS-0188M-0001-SO**					
Silver		0.044	J	0.096	mg/Kg	6020/DOD
Aluminum		13000		2.9	mg/Kg	6020/DOD
Arsenic		20		0.096	mg/Kg	6020/DOD
Barium		1400	Q J	0.96	mg/Kg	6020/DOD
Beryllium		0.94		0.096	mg/Kg	6020/DOD
Calcium		2700		9.6	mg/Kg	6020/DOD
Cadmium		0.29		0.096	mg/Kg	6020/DOD
Chromium		31		0.19	mg/Kg	6020/DOD
Cobalt		21	Q	0.048	mg/Kg	6020/DOD
Copper		24	Q	0.19	mg/Kg	6020/DOD
Iron		22000		4.8	mg/Kg	6020/DOD
Magnesium		2800		9.6	mg/Kg	6020/DOD
Manganese		57000	D	48	mg/Kg	6020/DOD
Sodium		170		9.6	mg/Kg	6020/DOD
Nickel		57		0.096	mg/Kg	6020/DOD
Lead		20		0.096	mg/Kg	6020/DOD
Antimony		0.093	J	0.19	mg/Kg	6020/DOD
Thallium		0.60		0.096	mg/Kg	6020/DOD
Vanadium		27		0.096	mg/Kg	6020/DOD
Zinc		72	Q	0.48	mg/Kg	6020/DOD
Potassium		1900		9.6	mg/Kg	6020/DOD
Selenium		0.46	J	0.48	mg/Kg	6020/DOD
Mercury		0.041	J	0.097	mg/Kg	7471/DOD
Percent Solids		98	H	0.10	%	Moisture
Percent Moisture		1.7	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-7	**079SS-0189M-0001-SO**					
Silver		0.054	J	0.095	mg/Kg	6020/DOD
Aluminum		9500		2.9	mg/Kg	6020/DOD
Arsenic		210		0.095	mg/Kg	6020/DOD
Barium		260	Q	0.95	mg/Kg	6020/DOD
Beryllium		0.58		0.095	mg/Kg	6020/DOD
Calcium		6500		9.5	mg/Kg	6020/DOD
Cadmium		0.19		0.095	mg/Kg	6020/DOD
Chromium		39		0.19	mg/Kg	6020/DOD
Cobalt		18	Q	0.048	mg/Kg	6020/DOD
Copper		84	Q	0.19	mg/Kg	6020/DOD
Iron		14000		4.8	mg/Kg	6020/DOD
Magnesium		3400		9.5	mg/Kg	6020/DOD
Manganese		43000	D	48	mg/Kg	6020/DOD
Sodium		510		9.5	mg/Kg	6020/DOD
Nickel		24		0.095	mg/Kg	6020/DOD
Lead		800		0.095	mg/Kg	6020/DOD
Antimony		0.077	J	0.19	mg/Kg	6020/DOD
Thallium		0.26		0.095	mg/Kg	6020/DOD
Vanadium		20		0.095	mg/Kg	6020/DOD
Zinc		85	Q	0.48	mg/Kg	6020/DOD
Potassium		1400		9.5	mg/Kg	6020/DOD
Selenium		0.46	J	0.48	mg/Kg	6020/DOD
Mercury		0.051	J	0.11	mg/Kg	7471/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.4	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-8	**079SS-0190M-0001-SO**					
Silver		0.048	J	0.095	mg/Kg	6020/DOD
Aluminum		12000		2.9	mg/Kg	6020/DOD
Arsenic		160		0.095	mg/Kg	6020/DOD
Barium		96	Q	0.95	mg/Kg	6020/DOD
Beryllium		0.58		0.095	mg/Kg	6020/DOD
Calcium		1100		9.5	mg/Kg	6020/DOD
Cadmium		0.16		0.095	mg/Kg	6020/DOD
Chromium		25		0.19	mg/Kg	6020/DOD
Cobalt		9.0	Q	0.048	mg/Kg	6020/DOD
Copper		24	Q	0.19	mg/Kg	6020/DOD
Iron		19000		4.8	mg/Kg	6020/DOD
Magnesium		2800		9.5	mg/Kg	6020/DOD
Manganese		5800	D	4.8	mg/Kg	6020/DOD
Sodium		230		9.5	mg/Kg	6020/DOD
Nickel		24		0.095	mg/Kg	6020/DOD
Lead		160		0.095	mg/Kg	6020/DOD
Thallium		0.14		0.095	mg/Kg	6020/DOD
Vanadium		21		0.095	mg/Kg	6020/DOD
Zinc		56	Q	0.48	mg/Kg	6020/DOD
Potassium		1400		9.5	mg/Kg	6020/DOD
Selenium		0.47	J	0.48	mg/Kg	6020/DOD
Mercury		0.025	J	0.10	mg/Kg	7471/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.4	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-9	**079SS-0191M-0001-SO**					
Silver		0.045	J	0.093	mg/Kg	6020/DOD
Aluminum		14000		2.8	mg/Kg	6020/DOD
Arsenic		11		0.093	mg/Kg	6020/DOD
Barium		82	Q	0.93	mg/Kg	6020/DOD
Beryllium		0.73		0.093	mg/Kg	6020/DOD
Calcium		4000		9.3	mg/Kg	6020/DOD
Cadmium		0.19		0.093	mg/Kg	6020/DOD
Chromium		26		0.19	mg/Kg	6020/DOD
Cobalt		9.7	Q	0.046	mg/Kg	6020/DOD
Copper		14	Q	0.19	mg/Kg	6020/DOD
Iron		22000		4.6	mg/Kg	6020/DOD
Magnesium		4100		9.3	mg/Kg	6020/DOD
Manganese		1400	Q	0.46	mg/Kg	6020/DOD
Sodium		58		9.3	mg/Kg	6020/DOD
Nickel		25		0.093	mg/Kg	6020/DOD
Lead		16		0.093	mg/Kg	6020/DOD
Thallium		0.16		0.093	mg/Kg	6020/DOD
Vanadium		21		0.093	mg/Kg	6020/DOD
Zinc		54	Q	0.46	mg/Kg	6020/DOD
Potassium		1000		9.3	mg/Kg	6020/DOD
Selenium		0.47		0.46	mg/Kg	6020/DOD
Mercury		0.037	J	0.11	mg/Kg	7471/DOD
Percent Solids		98	H	0.10	%	Moisture
Percent Moisture		1.6	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-10	**079SS-0192M-0001-SO**					
Silver		0.032	J	0.099	mg/Kg	6020/DOD
Aluminum		12000		3.0	mg/Kg	6020/DOD
Arsenic		91		0.099	mg/Kg	6020/DOD
Barium		520	Q	0.99	mg/Kg	6020/DOD
Beryllium		0.48		0.099	mg/Kg	6020/DOD
Calcium		4900		9.9	mg/Kg	6020/DOD
Cadmium		0.11		0.099	mg/Kg	6020/DOD
Chromium		14		0.20	mg/Kg	6020/DOD
Cobalt		71	Q	0.050	mg/Kg	6020/DOD
Copper		110	Q	0.20	mg/Kg	6020/DOD
Iron		19000		5.0	mg/Kg	6020/DOD
Magnesium		3600		9.9	mg/Kg	6020/DOD
Manganese		60000	D	50	mg/Kg	6020/DOD
Sodium		870		9.9	mg/Kg	6020/DOD
Nickel		29		0.099	mg/Kg	6020/DOD
Lead		130		0.099	mg/Kg	6020/DOD
Antimony		0.097	J	0.20	mg/Kg	6020/DOD
Thallium		0.97		0.099	mg/Kg	6020/DOD
Vanadium		26		0.099	mg/Kg	6020/DOD
Zinc		57	Q	0.50	mg/Kg	6020/DOD
Potassium		1700		9.9	mg/Kg	6020/DOD
Selenium		0.41	J	0.50	mg/Kg	6020/DOD
Mercury		0.038	J	0.11	mg/Kg	7471/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.4	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-11	**079SS-0193M-0001-SO**					
Silver		0.037	J	0.088	mg/Kg	6020/DOD
Aluminum		13000		2.7	mg/Kg	6020/DOD
Arsenic		150		0.088	mg/Kg	6020/DOD
Barium		190	Q	0.88	mg/Kg	6020/DOD
Beryllium		0.56		0.088	mg/Kg	6020/DOD
Calcium		2000		8.8	mg/Kg	6020/DOD
Cadmium		0.14		0.088	mg/Kg	6020/DOD
Chromium		14		0.18	mg/Kg	6020/DOD
Cobalt		23	Q	0.044	mg/Kg	6020/DOD
Copper		33	Q	0.18	mg/Kg	6020/DOD
Iron		22000		4.4	mg/Kg	6020/DOD
Magnesium		3000		8.8	mg/Kg	6020/DOD
Manganese		30000	D	44	mg/Kg	6020/DOD
Sodium		440		8.8	mg/Kg	6020/DOD
Nickel		23		0.088	mg/Kg	6020/DOD
Lead		120		0.088	mg/Kg	6020/DOD
Thallium		0.71		0.088	mg/Kg	6020/DOD
Vanadium		23		0.088	mg/Kg	6020/DOD
Zinc		57	Q	0.44	mg/Kg	6020/DOD
Potassium		2200		8.8	mg/Kg	6020/DOD
Selenium		0.40	J	0.44	mg/Kg	6020/DOD
Mercury		0.039	J	0.11	mg/Kg	7471/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.4	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-12	**079SB-0195M-0001-SO**					
Silver		0.023	J	0.094	mg/Kg	6020/DOD
Aluminum		14000		2.8	mg/Kg	6020/DOD
Arsenic		13		0.094	mg/Kg	6020/DOD
Barium		70	Q	0.94	mg/Kg	6020/DOD
Beryllium		0.66		0.094	mg/Kg	6020/DOD
Calcium		620		9.4	mg/Kg	6020/DOD
Cadmium		0.11		0.094	mg/Kg	6020/DOD
Chromium		16		0.19	mg/Kg	6020/DOD
Cobalt		9.0	Q	0.047	mg/Kg	6020/DOD
Copper		19	Q	0.19	mg/Kg	6020/DOD
Iron		27000		4.7	mg/Kg	6020/DOD
Magnesium		3100		9.4	mg/Kg	6020/DOD
Manganese		290	Q	0.47	mg/Kg	6020/DOD
Sodium		46		9.4	mg/Kg	6020/DOD
Nickel		20		0.094	mg/Kg	6020/DOD
Lead		13		0.094	mg/Kg	6020/DOD
Thallium		0.17		0.094	mg/Kg	6020/DOD
Vanadium		21		0.094	mg/Kg	6020/DOD
Zinc		52	Q	0.47	mg/Kg	6020/DOD
Potassium		1000		9.4	mg/Kg	6020/DOD
Selenium		0.32	J	0.47	mg/Kg	6020/DOD
Mercury		0.021	J	0.097	mg/Kg	7471/DOD
Percent Solids		98	H	0.10	%	Moisture
Percent Moisture		1.8	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-13	**079SB-0196M-0001-SO**					
Silver		0.024	J	0.090	mg/Kg	6020/DOD
Aluminum		9100		2.7	mg/Kg	6020/DOD
Arsenic		13		0.090	mg/Kg	6020/DOD
Barium		58	Q	0.90	mg/Kg	6020/DOD
Beryllium		0.51		0.090	mg/Kg	6020/DOD
Calcium		230		9.0	mg/Kg	6020/DOD
Cadmium		0.082	J	0.090	mg/Kg	6020/DOD
Chromium		11		0.18	mg/Kg	6020/DOD
Cobalt		8.0	Q	0.045	mg/Kg	6020/DOD
Copper		14	Q	0.18	mg/Kg	6020/DOD
Iron		20000		4.5	mg/Kg	6020/DOD
Magnesium		2400		9.0	mg/Kg	6020/DOD
Manganese		260	Q	0.45	mg/Kg	6020/DOD
Sodium		56		9.0	mg/Kg	6020/DOD
Nickel		19		0.090	mg/Kg	6020/DOD
Lead		11		0.090	mg/Kg	6020/DOD
Thallium		0.13		0.090	mg/Kg	6020/DOD
Vanadium		13		0.090	mg/Kg	6020/DOD
Zinc		45	Q	0.45	mg/Kg	6020/DOD
Potassium		890		9.0	mg/Kg	6020/DOD
Selenium		0.19	J	0.45	mg/Kg	6020/DOD
Mercury		0.022	J	0.11	mg/Kg	7471/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.1	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-14	**079SB-0197M-0001-SO**					
Silver		0.014	J	0.090	mg/Kg	6020/DOD
Aluminum		8700		2.7	mg/Kg	6020/DOD
Arsenic		10		0.090	mg/Kg	6020/DOD
Barium		44	Q	0.90	mg/Kg	6020/DOD
Beryllium		0.47		0.090	mg/Kg	6020/DOD
Calcium		160		9.0	mg/Kg	6020/DOD
Cadmium		0.085	J	0.090	mg/Kg	6020/DOD
Chromium		11		0.18	mg/Kg	6020/DOD
Cobalt		8.0	Q	0.045	mg/Kg	6020/DOD
Copper		12	Q	0.18	mg/Kg	6020/DOD
Iron		18000		4.5	mg/Kg	6020/DOD
Magnesium		2100		9.0	mg/Kg	6020/DOD
Manganese		190	Q	0.45	mg/Kg	6020/DOD
Sodium		31		9.0	mg/Kg	6020/DOD
Nickel		16		0.090	mg/Kg	6020/DOD
Lead		8.4		0.090	mg/Kg	6020/DOD
Thallium		0.11		0.090	mg/Kg	6020/DOD
Vanadium		12		0.090	mg/Kg	6020/DOD
Zinc		37	Q	0.45	mg/Kg	6020/DOD
Potassium		880		9.0	mg/Kg	6020/DOD
Selenium		0.14	J	0.45	mg/Kg	6020/DOD
Mercury		0.017	J	0.098	mg/Kg	7471/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.2	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-15	**079SB-0198M-0001-SO**					
Silver		0.016	J	0.087	mg/Kg	6020/DOD
Aluminum		8700		2.6	mg/Kg	6020/DOD
Arsenic		13		0.087	mg/Kg	6020/DOD
Barium		45	Q	0.87	mg/Kg	6020/DOD
Beryllium		0.45		0.087	mg/Kg	6020/DOD
Calcium		130		8.7	mg/Kg	6020/DOD
Cadmium		0.078	J	0.087	mg/Kg	6020/DOD
Chromium		10		0.17	mg/Kg	6020/DOD
Cobalt		11	Q	0.043	mg/Kg	6020/DOD
Copper		13	Q	0.17	mg/Kg	6020/DOD
Iron		19000		4.3	mg/Kg	6020/DOD
Magnesium		1900		8.7	mg/Kg	6020/DOD
Manganese		290	Q	0.43	mg/Kg	6020/DOD
Sodium		27		8.7	mg/Kg	6020/DOD
Nickel		14		0.087	mg/Kg	6020/DOD
Lead		11		0.087	mg/Kg	6020/DOD
Thallium		0.12		0.087	mg/Kg	6020/DOD
Vanadium		13		0.087	mg/Kg	6020/DOD
Zinc		35	Q	0.43	mg/Kg	6020/DOD
Potassium		770		8.7	mg/Kg	6020/DOD
Selenium		0.17	J	0.43	mg/Kg	6020/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.2	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-16	**079SB-0199M-0001-SO**					
Silver		0.018	J	0.092	mg/Kg	6020/DOD
Aluminum		7600		2.8	mg/Kg	6020/DOD
Arsenic		16		0.092	mg/Kg	6020/DOD
Barium		93	Q	0.92	mg/Kg	6020/DOD
Beryllium		0.52		0.092	mg/Kg	6020/DOD
Calcium		3600		9.2	mg/Kg	6020/DOD
Cadmium		0.11		0.092	mg/Kg	6020/DOD
Chromium		11		0.18	mg/Kg	6020/DOD
Cobalt		10	Q	0.046	mg/Kg	6020/DOD
Copper		12	Q	0.18	mg/Kg	6020/DOD
Iron		24000		4.6	mg/Kg	6020/DOD
Magnesium		2000		9.2	mg/Kg	6020/DOD
Manganese		2000	Q	0.46	mg/Kg	6020/DOD
Sodium		68		9.2	mg/Kg	6020/DOD
Nickel		24		0.092	mg/Kg	6020/DOD
Lead		11		0.092	mg/Kg	6020/DOD
Antimony		0.046	J	0.18	mg/Kg	6020/DOD
Thallium		0.19		0.092	mg/Kg	6020/DOD
Vanadium		12		0.092	mg/Kg	6020/DOD
Zinc		37	Q	0.46	mg/Kg	6020/DOD
Potassium		740		9.2	mg/Kg	6020/DOD
Selenium		0.20	J	0.46	mg/Kg	6020/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		0.97	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-17	**079SB-0200M-0001-SO**					
Silver		0.018	J	0.098	mg/Kg	6020/DOD
Aluminum		8700		2.9	mg/Kg	6020/DOD
Arsenic		11		0.098	mg/Kg	6020/DOD
Barium		65	Q	0.98	mg/Kg	6020/DOD
Beryllium		0.44		0.098	mg/Kg	6020/DOD
Calcium		770		9.8	mg/Kg	6020/DOD
Cadmium		0.082	J	0.098	mg/Kg	6020/DOD
Chromium		11		0.20	mg/Kg	6020/DOD
Cobalt		6.9	Q	0.049	mg/Kg	6020/DOD
Copper		12	Q	0.20	mg/Kg	6020/DOD
Iron		20000		4.9	mg/Kg	6020/DOD
Magnesium		2000		9.8	mg/Kg	6020/DOD
Manganese		430	Q	0.49	mg/Kg	6020/DOD
Sodium		32		9.8	mg/Kg	6020/DOD
Nickel		16		0.098	mg/Kg	6020/DOD
Lead		9.9		0.098	mg/Kg	6020/DOD
Thallium		0.12		0.098	mg/Kg	6020/DOD
Vanadium		14		0.098	mg/Kg	6020/DOD
Zinc		32	Q	0.49	mg/Kg	6020/DOD
Potassium		770		9.8	mg/Kg	6020/DOD
Selenium		0.21	J	0.49	mg/Kg	6020/DOD
Mercury		0.030	J	0.11	mg/Kg	7471/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.1	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-18	**079SB-0201M-0001-SO**					
Silver		0.015	J	0.088	mg/Kg	6020/DOD
Aluminum		8100		2.6	mg/Kg	6020/DOD
Arsenic		12		0.088	mg/Kg	6020/DOD
Barium		47	Q	0.88	mg/Kg	6020/DOD
Beryllium		0.44		0.088	mg/Kg	6020/DOD
Calcium		270		8.8	mg/Kg	6020/DOD
Cadmium		0.082	J	0.088	mg/Kg	6020/DOD
Chromium		10		0.18	mg/Kg	6020/DOD
Cobalt		8.9	Q	0.044	mg/Kg	6020/DOD
Copper		14	Q	0.18	mg/Kg	6020/DOD
Iron		19000		4.4	mg/Kg	6020/DOD
Magnesium		1900		8.8	mg/Kg	6020/DOD
Manganese		340	Q	0.44	mg/Kg	6020/DOD
Sodium		28		8.8	mg/Kg	6020/DOD
Nickel		16		0.088	mg/Kg	6020/DOD
Lead		11		0.088	mg/Kg	6020/DOD
Thallium		0.11		0.088	mg/Kg	6020/DOD
Vanadium		11		0.088	mg/Kg	6020/DOD
Zinc		41	Q	0.44	mg/Kg	6020/DOD
Potassium		800		8.8	mg/Kg	6020/DOD
Selenium		0.16	J	0.44	mg/Kg	6020/DOD
Mercury		0.016	J	0.11	mg/Kg	7471/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.1	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-19	**079SS-0202-0001-SO**					
Silver		0.046	J	0.11	mg/Kg	6020/DOD
Aluminum		13000		3.2	mg/Kg	6020/DOD
Arsenic		13		0.11	mg/Kg	6020/DOD
Barium		120	Q	1.1	mg/Kg	6020/DOD
Beryllium		0.90		0.11	mg/Kg	6020/DOD
Calcium		780		11	mg/Kg	6020/DOD
Cadmium		0.14		0.11	mg/Kg	6020/DOD
Chromium		14		0.21	mg/Kg	6020/DOD
Cobalt		18	Q	0.054	mg/Kg	6020/DOD
Copper		5.0	Q	0.21	mg/Kg	6020/DOD
Iron		30000		5.4	mg/Kg	6020/DOD
Magnesium		1600		11	mg/Kg	6020/DOD
Manganese		4700	D	5.4	mg/Kg	6020/DOD
Sodium		31		11	mg/Kg	6020/DOD
Nickel		12		0.11	mg/Kg	6020/DOD
Lead		19		0.11	mg/Kg	6020/DOD
Thallium		0.21		0.11	mg/Kg	6020/DOD
Vanadium		32		0.11	mg/Kg	6020/DOD
Zinc		43	Q	0.54	mg/Kg	6020/DOD
Potassium		630		11	mg/Kg	6020/DOD
Selenium		0.60		0.54	mg/Kg	6020/DOD
Mercury		0.035	J	0.13	mg/Kg	7471/DOD
Percent Solids		82	H	0.10	%	Moisture
Percent Moisture		18	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-20	**079SS-0203-0001-SO**					
Silver		0.037	J	0.11	mg/Kg	6020/DOD
Aluminum		15000		3.2	mg/Kg	6020/DOD
Arsenic		12		0.11	mg/Kg	6020/DOD
Barium		74	Q	1.1	mg/Kg	6020/DOD
Beryllium		0.73		0.11	mg/Kg	6020/DOD
Calcium		570		11	mg/Kg	6020/DOD
Cadmium		0.063	J	0.11	mg/Kg	6020/DOD
Chromium		17		0.22	mg/Kg	6020/DOD
Cobalt		9.0	Q	0.054	mg/Kg	6020/DOD
Copper		7.6	Q	0.22	mg/Kg	6020/DOD
Iron		30000		5.4	mg/Kg	6020/DOD
Magnesium		2100		11	mg/Kg	6020/DOD
Manganese		880	Q	0.54	mg/Kg	6020/DOD
Sodium		36		11	mg/Kg	6020/DOD
Nickel		12		0.11	mg/Kg	6020/DOD
Lead		14		0.11	mg/Kg	6020/DOD
Thallium		0.16		0.11	mg/Kg	6020/DOD
Vanadium		30		0.11	mg/Kg	6020/DOD
Zinc		45	Q	0.54	mg/Kg	6020/DOD
Potassium		850		11	mg/Kg	6020/DOD
Selenium		0.64		0.54	mg/Kg	6020/DOD
Percent Solids		81	H	0.10	%	Moisture
Percent Moisture		19	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-21	**079SB-0204M-0001-SO**					
Silver		0.026	J	0.091	mg/Kg	6020/DOD
Aluminum		14000	J	2.7	mg/Kg	6020/DOD
Arsenic		13		0.091	mg/Kg	6020/DOD
Barium		82	Q	0.91	mg/Kg	6020/DOD
Beryllium		0.70		0.091	mg/Kg	6020/DOD
Calcium		400		9.1	mg/Kg	6020/DOD
Cadmium		0.15		0.091	mg/Kg	6020/DOD
Chromium		16		0.18	mg/Kg	6020/DOD
Cobalt		13	Q	0.045	mg/Kg	6020/DOD
Copper		20	Q	0.18	mg/Kg	6020/DOD
Iron		25000	J	4.5	mg/Kg	6020/DOD
Magnesium		3300		9.1	mg/Kg	6020/DOD
Manganese		760	Q J	0.45	mg/Kg	6020/DOD
Sodium		50		9.1	mg/Kg	6020/DOD
Nickel		27		0.091	mg/Kg	6020/DOD
Lead		13		0.091	mg/Kg	6020/DOD
Antimony		0.045	J	0.18	mg/Kg	6020/DOD
Thallium		0.18		0.091	mg/Kg	6020/DOD
Vanadium		19		0.091	mg/Kg	6020/DOD
Zinc		70	Q	0.45	mg/Kg	6020/DOD
Potassium		1100		9.1	mg/Kg	6020/DOD
Selenium		0.34	J	0.45	mg/Kg	6020/DOD
Mercury		0.015	J	0.10	mg/Kg	7471/DOD
Percent Solids		98	H	0.10	%	Moisture
Percent Moisture		1.8	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-22	**079SB-0206M-0001-SO**					
Silver		0.017	J	0.093	mg/Kg	6020/DOD
Aluminum		4400		2.8	mg/Kg	6020/DOD
Arsenic		14		0.093	mg/Kg	6020/DOD
Barium		40	Q	0.93	mg/Kg	6020/DOD
Beryllium		0.25		0.093	mg/Kg	6020/DOD
Calcium		230		9.3	mg/Kg	6020/DOD
Cadmium		0.12		0.093	mg/Kg	6020/DOD
Chromium		6.8		0.19	mg/Kg	6020/DOD
Cobalt		5.5	Q	0.046	mg/Kg	6020/DOD
Copper		8.2	Q	0.19	mg/Kg	6020/DOD
Iron		12000		4.6	mg/Kg	6020/DOD
Magnesium		1100		9.3	mg/Kg	6020/DOD
Manganese		550	Q	0.46	mg/Kg	6020/DOD
Sodium		26		9.3	mg/Kg	6020/DOD
Nickel		14		0.093	mg/Kg	6020/DOD
Lead		7.4		0.093	mg/Kg	6020/DOD
Antimony		0.21		0.19	mg/Kg	6020/DOD
Thallium		0.10		0.093	mg/Kg	6020/DOD
Vanadium		7.3		0.093	mg/Kg	6020/DOD
Zinc		43	Q	0.46	mg/Kg	6020/DOD
Potassium		560		9.3	mg/Kg	6020/DOD
Selenium		0.098	J	0.46	mg/Kg	6020/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		0.68	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-23	**079SB-0207M-0001-SO**					
Silver		0.020	J	0.085	mg/Kg	6020/DOD
Aluminum		7700		2.6	mg/Kg	6020/DOD
Arsenic		10		0.085	mg/Kg	6020/DOD
Barium		50	Q	0.85	mg/Kg	6020/DOD
Beryllium		0.43		0.085	mg/Kg	6020/DOD
Calcium		140		8.5	mg/Kg	6020/DOD
Cadmium		0.11		0.085	mg/Kg	6020/DOD
Chromium		10		0.17	mg/Kg	6020/DOD
Cobalt		10	Q	0.043	mg/Kg	6020/DOD
Copper		11	Q	0.17	mg/Kg	6020/DOD
Iron		18000		4.3	mg/Kg	6020/DOD
Magnesium		1800		8.5	mg/Kg	6020/DOD
Manganese		1100	Q	0.43	mg/Kg	6020/DOD
Sodium		29		8.5	mg/Kg	6020/DOD
Nickel		20		0.085	mg/Kg	6020/DOD
Lead		9.0		0.085	mg/Kg	6020/DOD
Antimony		0.056	J	0.17	mg/Kg	6020/DOD
Thallium		0.11		0.085	mg/Kg	6020/DOD
Vanadium		11		0.085	mg/Kg	6020/DOD
Zinc		54	Q	0.43	mg/Kg	6020/DOD
Potassium		830		8.5	mg/Kg	6020/DOD
Selenium		0.20	J	0.43	mg/Kg	6020/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.2	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-24	**079SB-0208M-0001-SO**					
Silver		0.030	J	0.085	mg/Kg	6020/DOD
Aluminum		12000		2.5	mg/Kg	6020/DOD
Arsenic		12		0.085	mg/Kg	6020/DOD
Barium		70	Q	0.85	mg/Kg	6020/DOD
Beryllium		0.70		0.085	mg/Kg	6020/DOD
Calcium		430		8.5	mg/Kg	6020/DOD
Cadmium		0.14		0.085	mg/Kg	6020/DOD
Chromium		14		0.17	mg/Kg	6020/DOD
Cobalt		10	Q	0.042	mg/Kg	6020/DOD
Copper		18	Q	0.17	mg/Kg	6020/DOD
Iron		26000		4.2	mg/Kg	6020/DOD
Magnesium		3100		8.5	mg/Kg	6020/DOD
Manganese		380	Q	0.42	mg/Kg	6020/DOD
Sodium		43		8.5	mg/Kg	6020/DOD
Nickel		23		0.085	mg/Kg	6020/DOD
Lead		13		0.085	mg/Kg	6020/DOD
Antimony		0.039	J	0.17	mg/Kg	6020/DOD
Thallium		0.16		0.085	mg/Kg	6020/DOD
Vanadium		18		0.085	mg/Kg	6020/DOD
Zinc		67	Q	0.42	mg/Kg	6020/DOD
Potassium		1000		8.5	mg/Kg	6020/DOD
Selenium		0.29	J	0.42	mg/Kg	6020/DOD
Percent Solids		98	H	0.10	%	Moisture
Percent Moisture		1.5	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-25	**079SB-0209M-0001-SO**					
Silver		0.021	J	0.092	mg/Kg	6020/DOD
Aluminum		10000		2.8	mg/Kg	6020/DOD
Arsenic		16		0.092	mg/Kg	6020/DOD
Barium		55	Q	0.92	mg/Kg	6020/DOD
Beryllium		0.55		0.092	mg/Kg	6020/DOD
Calcium		490		9.2	mg/Kg	6020/DOD
Cadmium		0.11		0.092	mg/Kg	6020/DOD
Chromium		13		0.18	mg/Kg	6020/DOD
Cobalt		13	Q	0.046	mg/Kg	6020/DOD
Copper		16	Q	0.18	mg/Kg	6020/DOD
Iron		22000		4.6	mg/Kg	6020/DOD
Magnesium		2400		9.2	mg/Kg	6020/DOD
Manganese		270	Q	0.46	mg/Kg	6020/DOD
Sodium		43		9.2	mg/Kg	6020/DOD
Nickel		31		0.092	mg/Kg	6020/DOD
Lead		11		0.092	mg/Kg	6020/DOD
Thallium		0.17		0.092	mg/Kg	6020/DOD
Vanadium		14		0.092	mg/Kg	6020/DOD
Zinc		52	Q	0.46	mg/Kg	6020/DOD
Potassium		1000		9.2	mg/Kg	6020/DOD
Selenium		0.27	J	0.46	mg/Kg	6020/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.3	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-26	**079SB-0210M-0001-SO**					
Silver		0.018	J	0.090	mg/Kg	6020/DOD
Aluminum		7500		2.7	mg/Kg	6020/DOD
Arsenic		18		0.090	mg/Kg	6020/DOD
Barium		37	Q	0.90	mg/Kg	6020/DOD
Beryllium		0.36		0.090	mg/Kg	6020/DOD
Calcium		270		9.0	mg/Kg	6020/DOD
Cadmium		0.089	J	0.090	mg/Kg	6020/DOD
Chromium		9.6		0.18	mg/Kg	6020/DOD
Cobalt		6.0	Q	0.045	mg/Kg	6020/DOD
Copper		9.5	Q	0.18	mg/Kg	6020/DOD
Iron		15000		4.5	mg/Kg	6020/DOD
Magnesium		1700		9.0	mg/Kg	6020/DOD
Manganese		150	Q	0.45	mg/Kg	6020/DOD
Sodium		28		9.0	mg/Kg	6020/DOD
Nickel		17		0.090	mg/Kg	6020/DOD
Lead		8.1		0.090	mg/Kg	6020/DOD
Thallium		0.13		0.090	mg/Kg	6020/DOD
Vanadium		12		0.090	mg/Kg	6020/DOD
Zinc		43	Q	0.45	mg/Kg	6020/DOD
Potassium		720		9.0	mg/Kg	6020/DOD
Selenium		0.19	J	0.45	mg/Kg	6020/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.1	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-27	**079SB-0211M-0001-SO**					
Silver		0.018	J	0.091	mg/Kg	6020/DOD
Aluminum		8800		2.7	mg/Kg	6020/DOD
Arsenic		18		0.091	mg/Kg	6020/DOD
Barium		76	Q	0.91	mg/Kg	6020/DOD
Beryllium		0.47		0.091	mg/Kg	6020/DOD
Calcium		320		9.1	mg/Kg	6020/DOD
Cadmium		0.30		0.091	mg/Kg	6020/DOD
Chromium		12		0.18	mg/Kg	6020/DOD
Cobalt		10	Q	0.045	mg/Kg	6020/DOD
Copper		13	Q	0.18	mg/Kg	6020/DOD
Iron		18000		4.5	mg/Kg	6020/DOD
Magnesium		2300		9.1	mg/Kg	6020/DOD
Manganese		860	Q	0.45	mg/Kg	6020/DOD
Sodium		31		9.1	mg/Kg	6020/DOD
Nickel		20		0.091	mg/Kg	6020/DOD
Lead		9.8		0.091	mg/Kg	6020/DOD
Thallium		0.13		0.091	mg/Kg	6020/DOD
Vanadium		13		0.091	mg/Kg	6020/DOD
Zinc		76	Q	0.45	mg/Kg	6020/DOD
Potassium		830		9.1	mg/Kg	6020/DOD
Selenium		0.21	J	0.45	mg/Kg	6020/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.1	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-28	**079SS-0212-0001-SO**					
Silver		0.029	J	0.11	mg/Kg	6020/DOD
Aluminum		11000		3.2	mg/Kg	6020/DOD
Arsenic		7.8		0.11	mg/Kg	6020/DOD
Barium		51	Q	1.1	mg/Kg	6020/DOD
Beryllium		0.29		0.11	mg/Kg	6020/DOD
Calcium		440		11	mg/Kg	6020/DOD
Cadmium		0.059	J	0.11	mg/Kg	6020/DOD
Chromium		11		0.21	mg/Kg	6020/DOD
Cobalt		2.6	Q	0.054	mg/Kg	6020/DOD
Copper		4.7	Q	0.21	mg/Kg	6020/DOD
Iron		16000		5.4	mg/Kg	6020/DOD
Magnesium		1300		11	mg/Kg	6020/DOD
Manganese		220	Q	0.54	mg/Kg	6020/DOD
Sodium		28		11	mg/Kg	6020/DOD
Nickel		6.9		0.11	mg/Kg	6020/DOD
Lead		11		0.11	mg/Kg	6020/DOD
Thallium		0.16		0.11	mg/Kg	6020/DOD
Vanadium		22		0.11	mg/Kg	6020/DOD
Zinc		31	Q	0.54	mg/Kg	6020/DOD
Potassium		500		11	mg/Kg	6020/DOD
Selenium		0.30	J	0.54	mg/Kg	6020/DOD
Mercury		0.054	J	0.14	mg/Kg	7471/DOD
Percent Solids		82	H	0.10	%	Moisture
Percent Moisture		18	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-29	**079SS-0213-0001-SO**					
Silver		0.026	J	0.11	mg/Kg	6020/DOD
Aluminum		14000		3.4	mg/Kg	6020/DOD
Arsenic		21		0.11	mg/Kg	6020/DOD
Barium		56	Q	1.1	mg/Kg	6020/DOD
Beryllium		0.57		0.11	mg/Kg	6020/DOD
Calcium		460		11	mg/Kg	6020/DOD
Cadmium		0.095	J	0.11	mg/Kg	6020/DOD
Chromium		16		0.23	mg/Kg	6020/DOD
Cobalt		3.6	Q	0.057	mg/Kg	6020/DOD
Copper		13	Q	0.23	mg/Kg	6020/DOD
Iron		30000		5.7	mg/Kg	6020/DOD
Magnesium		1700		11	mg/Kg	6020/DOD
Manganese		220	Q	0.57	mg/Kg	6020/DOD
Sodium		30		11	mg/Kg	6020/DOD
Nickel		10		0.11	mg/Kg	6020/DOD
Lead		16		0.11	mg/Kg	6020/DOD
Thallium		0.17		0.11	mg/Kg	6020/DOD
Vanadium		29		0.11	mg/Kg	6020/DOD
Zinc		35	Q	0.57	mg/Kg	6020/DOD
Potassium		680		11	mg/Kg	6020/DOD
Selenium		0.45	J	0.57	mg/Kg	6020/DOD
Mercury		0.033	J	0.14	mg/Kg	7471/DOD
Percent Solids		82	H	0.10	%	Moisture
Percent Moisture		18	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-30	**079SS-0317M-0001-SO**					
Silver		0.093		0.086	mg/Kg	6020/DOD
Aluminum		12000		2.6	mg/Kg	6020/DOD
Arsenic		17		0.086	mg/Kg	6020/DOD
Barium		550	Q	0.86	mg/Kg	6020/DOD
Beryllium		0.56		0.086	mg/Kg	6020/DOD
Calcium		490		8.6	mg/Kg	6020/DOD
Cadmium		0.14		0.086	mg/Kg	6020/DOD
Chromium		42		0.17	mg/Kg	6020/DOD
Cobalt		9.7	Q	0.043	mg/Kg	6020/DOD
Copper		11	Q	0.17	mg/Kg	6020/DOD
Iron		19000		4.3	mg/Kg	6020/DOD
Magnesium		2400		8.6	mg/Kg	6020/DOD
Manganese		4400	D	4.3	mg/Kg	6020/DOD
Sodium		34		8.6	mg/Kg	6020/DOD
Nickel		42		0.086	mg/Kg	6020/DOD
Lead		17		0.086	mg/Kg	6020/DOD
Antimony		0.044	J	0.17	mg/Kg	6020/DOD
Thallium		0.52		0.086	mg/Kg	6020/DOD
Vanadium		22		0.086	mg/Kg	6020/DOD
Zinc		49	Q	0.43	mg/Kg	6020/DOD
Potassium		610		8.6	mg/Kg	6020/DOD
Selenium		0.45		0.43	mg/Kg	6020/DOD
Mercury		0.37		0.12	mg/Kg	7471/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.5	H	0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-22141-31	**079SS-0318M-0001-SO**					
Silver		0.037	J	0.095	mg/Kg	6020/DOD
Aluminum		11000		2.9	mg/Kg	6020/DOD
Arsenic		11		0.095	mg/Kg	6020/DOD
Barium		72	Q	0.95	mg/Kg	6020/DOD
Beryllium		0.54		0.095	mg/Kg	6020/DOD
Calcium		1200		9.5	mg/Kg	6020/DOD
Cadmium		0.16		0.095	mg/Kg	6020/DOD
Chromium		54		0.19	mg/Kg	6020/DOD
Cobalt		8.6	Q	0.048	mg/Kg	6020/DOD
Copper		8.9	Q	0.19	mg/Kg	6020/DOD
Iron		20000		4.8	mg/Kg	6020/DOD
Magnesium		6800		9.5	mg/Kg	6020/DOD
Manganese		4100	D	4.8	mg/Kg	6020/DOD
Sodium		38		9.5	mg/Kg	6020/DOD
Nickel		100		0.095	mg/Kg	6020/DOD
Lead		13		0.095	mg/Kg	6020/DOD
Thallium		0.14		0.095	mg/Kg	6020/DOD
Vanadium		20		0.095	mg/Kg	6020/DOD
Zinc		42	Q	0.48	mg/Kg	6020/DOD
Potassium		640		9.5	mg/Kg	6020/DOD
Selenium		0.37	J	0.48	mg/Kg	6020/DOD
Mercury		0.036	J	0.095	mg/Kg	7471/DOD
Percent Solids		99	H	0.10	%	Moisture
Percent Moisture		1.4	H	0.10	%	Moisture

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Mercury (CVAA)	TAL CAN	SW846 7471/DOD	
Preparation, Mercury	TAL CAN		SW846 7471A
Mercury (CVAA)	TAL CAN	SW846 7471/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL CAN		EPA Increment, Prep
Preparation, Mercury	TAL CAN		SW846 7471A
Percent Moisture	TAL CAN	EPA Moisture	
Metals (ICP/MS)	TAL PIT	SW846 6020/DOD	
Preparation, Metals	TAL PIT		SW846 3050B

Lab References:

TAL CAN = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Method	Analyst	Analyst ID
SW846 6020/DOD	Reinheimer, Bill	BR
SW846 7471/DOD	Sutherland, Aaron	AS
SW846 7471/DOD	Toth, Roger	RT
EPA Moisture	Woodward, Bruce	BW

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0182M-0001-SO**

Lab Sample ID: 240-22141-1 Date Sampled: 03/18/2013 1007
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.10 g
Analysis Date:	04/11/2013 0008			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.26		0.010	0.091
Aluminum		13000	J	0.26	2.7
Arsenic		12	J	0.016	0.091
Barium		310	Q J	0.0097	0.91
Beryllium		0.61		0.0068	0.091
Calcium		3800		1.2	9.1
Cadmium		0.28		0.012	0.091
Chromium		28		0.020	0.18
Cobalt		7.6	Q	0.0022	0.045
Copper		12	Q	0.030	0.18
Iron		19000	J	0.98	4.5
Magnesium		2700		0.98	9.1
Sodium		81		2.4	9.1
Nickel		31		0.010	0.091
Lead		25	J	0.014	0.091
Antimony		0.059	J	0.042	0.18
Thallium		0.50		0.0093	0.091
Vanadium		23		0.027	0.091
Zinc		98	Q	0.059	0.45
Potassium		900		2.9	9.1
Selenium		0.49		0.046	0.45

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	10			Initial Weight/Volume:	00001.10 g
Analysis Date:	04/12/2013 1748			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		13000	D J	0.14	4.5

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.60 g
Analysis Date:	03/27/2013 1709			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.055	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0184M-0001-SO**

Lab Sample ID: 240-22141-2 Date Sampled: 03/18/2013 1040
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.05 g
Analysis Date:	04/11/2013 0106			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.34		0.011	0.095
Aluminum		11000		0.27	2.9
Arsenic		14		0.017	0.095
Barium		1000	Q	0.010	0.95
Beryllium		0.55		0.0071	0.095
Calcium		1200		1.3	9.5
Cadmium		0.32		0.013	0.095
Chromium		13		0.021	0.19
Cobalt		9.7	Q	0.0023	0.048
Copper		16	Q	0.031	0.19
Iron		21000		1.0	4.8
Magnesium		1800		1.0	9.5
Sodium		56		2.5	9.5
Nickel		29		0.011	0.095
Lead		46		0.015	0.095
Antimony		0.21		0.044	0.19
Thallium		0.30		0.0097	0.095
Vanadium		27		0.028	0.095
Zinc		140	Q	0.062	0.48
Potassium		830		3.0	9.5
Selenium		0.47	J	0.048	0.48

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	100			Initial Weight/Volume:	00001.05 g
Analysis Date:	04/12/2013 1845			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		27000	D	1.5	48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.53 g
Analysis Date:	03/27/2013 1713			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.045	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0185M-0001-SO**

Lab Sample ID: 240-22141-3 Date Sampled: 03/18/2013 1415
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.12 g
Analysis Date:	04/11/2013 0114			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		4.3		0.010	0.089
Aluminum		11000		0.25	2.7
Arsenic		44		0.016	0.089
Barium		1100	Q	0.0096	0.89
Beryllium		0.80		0.0067	0.089
Calcium		5600		1.2	8.9
Cadmium		1.2		0.012	0.089
Chromium		35		0.020	0.18
Cobalt		10	Q	0.0021	0.045
Copper		20	Q	0.029	0.18
Iron		18000		0.96	4.5
Magnesium		4500		0.96	8.9
Sodium		120		2.4	8.9
Nickel		43		0.010	0.089
Lead		200		0.014	0.089
Antimony		0.19		0.041	0.18
Thallium		1.1		0.0091	0.089
Vanadium		24		0.027	0.089
Zinc		670	Q	0.058	0.45
Potassium		1300		2.8	8.9
Selenium		0.53		0.045	0.45

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	100			Initial Weight/Volume:	00001.12 g
Analysis Date:	04/12/2013 1854			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		47000	D	1.4	45

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.54 g
Analysis Date:	03/27/2013 1715			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.11		0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0186M-0001-SO**

Lab Sample ID: 240-22141-4 Date Sampled: 03/18/2013 1100
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.16 g
Analysis Date:	04/11/2013 0122			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.042	J	0.0098	0.086
Aluminum		12000		0.25	2.6
Arsenic		13		0.016	0.086
Barium		150	Q	0.0092	0.86
Beryllium		0.78		0.0065	0.086
Calcium		13000		1.1	8.6
Cadmium		0.20		0.011	0.086
Chromium		66		0.019	0.17
Cobalt		8.8	Q	0.0021	0.043
Copper		11	Q	0.028	0.17
Iron		18000		0.93	4.3
Magnesium		3800		0.93	8.6
Sodium		100		2.3	8.6
Nickel		47		0.0097	0.086
Lead		39		0.013	0.086
Antimony		0.058	J	0.040	0.17
Thallium		0.15		0.0088	0.086
Vanadium		19		0.026	0.086
Zinc		44	Q	0.056	0.43
Potassium		730		2.7	8.6
Selenium		0.47		0.044	0.43

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	10			Initial Weight/Volume:	00001.16 g
Analysis Date:	04/12/2013 1902			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		3300	D	0.14	4.3

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.55 g
Analysis Date:	03/27/2013 1716			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.042	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0187M-0001-SO**

Lab Sample ID: 240-22141-5 Date Sampled: 03/18/2013 1130
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.05 g
Analysis Date:	04/11/2013 0130			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.038	J	0.011	0.095
Aluminum		13000		0.27	2.9
Arsenic		9.6		0.017	0.095
Barium		150	Q	0.010	0.95
Beryllium		0.50		0.0071	0.095
Calcium		1400		1.3	9.5
Cadmium		0.14		0.013	0.095
Chromium		96		0.021	0.19
Cobalt		9.8	Q	0.0023	0.048
Copper		11	Q	0.031	0.19
Iron		23000		1.0	4.8
Magnesium		3100		1.0	9.5
Sodium		94		2.5	9.5
Nickel		76		0.011	0.095
Lead		14		0.015	0.095
Antimony		0.095	U	0.044	0.19
Thallium		0.17		0.0097	0.095
Vanadium		25		0.028	0.095
Zinc		42	Q	0.062	0.48
Potassium		770		3.0	9.5
Selenium		0.36	J	0.048	0.48

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	10			Initial Weight/Volume:	00001.05 g
Analysis Date:	04/12/2013 1910			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		3500	D	0.15	4.8

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.61 g
Analysis Date:	03/27/2013 1718			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.035	J	0.014	0.098

Client Sample ID: **079SS-0188M-0001-SO**

Lab Sample ID: 240-22141-6 Date Sampled: 03/18/2013 1405
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.04 g
Analysis Date:	04/11/2013 0138			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.044	J	0.011	0.096
Aluminum		13000		0.27	2.9
Arsenic		20		0.017	0.096
Barium		1400	Q J	0.010	0.96
Beryllium		0.94		0.0072	0.096
Calcium		2700		1.3	9.6
Cadmium		0.29		0.013	0.096
Chromium		31		0.021	0.19
Cobalt		21	Q	0.0023	0.048
Copper		24	Q	0.032	0.19
Iron		22000		1.0	4.8
Magnesium		2800		1.0	9.6
Sodium		170		2.6	9.6
Nickel		57		0.011	0.096
Lead		20		0.015	0.096
Antimony		0.093	J	0.044	0.19
Thallium		0.60		0.0098	0.096
Vanadium		27		0.029	0.096
Zinc		72	Q	0.062	0.48
Potassium		1900		3.0	9.6
Selenium		0.46	J	0.049	0.48

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	100			Initial Weight/Volume:	00001.04 g
Analysis Date:	04/12/2013 1918			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		57000	D	1.5	48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.62 g
Analysis Date:	03/27/2013 1719			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.041	J	0.014	0.097

Client Sample ID: **079SS-0189M-0001-SO**

Lab Sample ID: 240-22141-7 Date Sampled: 03/18/2013 1225
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.05 g
Analysis Date:	04/11/2013 0147			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.054	J	0.011	0.095
Aluminum		9500		0.27	2.9
Arsenic		210		0.017	0.095
Barium		260	Q	0.010	0.95
Beryllium		0.58		0.0071	0.095
Calcium		6500		1.3	9.5
Cadmium		0.19		0.013	0.095
Chromium		39		0.021	0.19
Cobalt		18	Q	0.0023	0.048
Copper		84	Q	0.031	0.19
Iron		14000		1.0	4.8
Magnesium		3400		1.0	9.5
Sodium		510		2.5	9.5
Nickel		24		0.011	0.095
Lead		800		0.015	0.095
Antimony		0.077	J	0.044	0.19
Thallium		0.26		0.0097	0.095
Vanadium		20		0.028	0.095
Zinc		85	Q	0.062	0.48
Potassium		1400		3.0	9.5
Selenium		0.46	J	0.048	0.48

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	100			Initial Weight/Volume:	00001.05 g
Analysis Date:	04/12/2013 1927			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		43000	D	1.5	48

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.57 g
Analysis Date:	03/27/2013 1723			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.051	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0190M-0001-SO**

Lab Sample ID: 240-22141-8 Date Sampled: 03/18/2013 1230
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.05 g
Analysis Date:	04/11/2013 0212			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.048	J	0.011	0.095
Aluminum		12000		0.27	2.9
Arsenic		160		0.017	0.095
Barium		96	Q	0.010	0.95
Beryllium		0.58		0.0071	0.095
Calcium		1100		1.3	9.5
Cadmium		0.16		0.013	0.095
Chromium		25		0.021	0.19
Cobalt		9.0	Q	0.0023	0.048
Copper		24	Q	0.031	0.19
Iron		19000		1.0	4.8
Magnesium		2800		1.0	9.5
Sodium		230		2.5	9.5
Nickel		24		0.011	0.095
Lead		160		0.015	0.095
Antimony		0.095	U	0.044	0.19
Thallium		0.14		0.0097	0.095
Vanadium		21		0.028	0.095
Zinc		56	Q	0.062	0.48
Potassium		1400		3.0	9.5
Selenium		0.47	J	0.048	0.48

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	10			Initial Weight/Volume:	00001.05 g
Analysis Date:	04/12/2013 1951			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		5800	D	0.15	4.8

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.59 g
Analysis Date:	03/27/2013 1725			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.025	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0191M-0001-SO**

Lab Sample ID: 240-22141-9 Date Sampled: 03/18/2013 1430
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.08 g
Analysis Date:	04/11/2013 0220			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.045	J	0.011	0.093
Aluminum		14000		0.26	2.8
Arsenic		11		0.017	0.093
Barium		82	Q	0.0099	0.93
Beryllium		0.73		0.0069	0.093
Calcium		4000		1.2	9.3
Cadmium		0.19		0.012	0.093
Chromium		26		0.021	0.19
Cobalt		9.7	Q	0.0022	0.046
Copper		14	Q	0.031	0.19
Iron		22000		1.0	4.6
Magnesium		4100		1.0	9.3
Manganese		1400	Q	0.015	0.46
Sodium		58		2.5	9.3
Nickel		25		0.010	0.093
Lead		16		0.014	0.093
Antimony		0.093	U	0.043	0.19
Thallium		0.16		0.0094	0.093
Vanadium		21		0.028	0.093
Zinc		54	Q	0.060	0.46
Potassium		1000		2.9	9.3
Selenium		0.47		0.047	0.46

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.55 g
Analysis Date:	03/27/2013 1727			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.037	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0192M-0001-SO**

Lab Sample ID: 240-22141-10 Date Sampled: 03/18/2013 1318
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.01 g
Analysis Date:	04/11/2013 0228			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.032	J	0.011	0.099
Aluminum		12000		0.28	3.0
Arsenic		91		0.018	0.099
Barium		520	Q	0.011	0.99
Beryllium		0.48		0.0074	0.099
Calcium		4900		1.3	9.9
Cadmium		0.11		0.013	0.099
Chromium		14		0.022	0.20
Cobalt		71	Q	0.0024	0.050
Copper		110	Q	0.033	0.20
Iron		19000		1.1	5.0
Magnesium		3600		1.1	9.9
Sodium		870		2.6	9.9
Nickel		29		0.011	0.099
Lead		130		0.015	0.099
Antimony		0.097	J	0.045	0.20
Thallium		0.97		0.010	0.099
Vanadium		26		0.030	0.099
Zinc		57	Q	0.064	0.50
Potassium		1700		3.1	9.9
Selenium		0.41	J	0.050	0.50

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	100			Initial Weight/Volume:	00001.01 g
Analysis Date:	04/12/2013 2000			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		60000	D	1.6	50

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.56 g
Analysis Date:	03/27/2013 1728			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.038	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0193M-0001-SO**

Lab Sample ID: 240-22141-11 Date Sampled: 03/18/2013 1530
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.13 g
Analysis Date:	04/11/2013 0236			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.037	J	0.010	0.088
Aluminum		13000		0.25	2.7
Arsenic		150		0.016	0.088
Barium		190	Q	0.0095	0.88
Beryllium		0.56		0.0066	0.088
Calcium		2000		1.2	8.8
Cadmium		0.14		0.012	0.088
Chromium		14		0.020	0.18
Cobalt		23	Q	0.0021	0.044
Copper		33	Q	0.029	0.18
Iron		22000		0.95	4.4
Magnesium		3000		0.95	8.8
Sodium		440		2.4	8.8
Nickel		23		0.010	0.088
Lead		120		0.014	0.088
Antimony		0.088	U	0.041	0.18
Thallium		0.71		0.0090	0.088
Vanadium		23		0.026	0.088
Zinc		57	Q	0.057	0.44
Potassium		2200		2.8	8.8
Selenium		0.40	J	0.045	0.44

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	100			Initial Weight/Volume:	00001.13 g
Analysis Date:	04/12/2013 2008			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		30000	D	1.4	44

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.57 g
Analysis Date:	03/27/2013 1730			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.039	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0195M-0001-SO**

Lab Sample ID: 240-22141-12 Date Sampled: 03/18/2013 1446
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.06 g
Analysis Date:	04/11/2013 0245			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.023	J	0.011	0.094
Aluminum		14000		0.27	2.8
Arsenic		13		0.017	0.094
Barium		70	Q	0.010	0.94
Beryllium		0.66		0.0071	0.094
Calcium		620		1.3	9.4
Cadmium		0.11		0.012	0.094
Chromium		16		0.021	0.19
Cobalt		9.0	Q	0.0023	0.047
Copper		19	Q	0.031	0.19
Iron		27000		1.0	4.7
Magnesium		3100		1.0	9.4
Manganese		290	Q	0.015	0.47
Sodium		46		2.5	9.4
Nickel		20		0.011	0.094
Lead		13		0.015	0.094
Antimony		0.094	U	0.043	0.19
Thallium		0.17		0.0096	0.094
Vanadium		21		0.028	0.094
Zinc		52	Q	0.061	0.47
Potassium		1000		3.0	9.4
Selenium		0.32	J	0.048	0.47

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.62 g
Analysis Date:	03/27/2013 1731			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.021	J	0.014	0.097

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0196M-0001-SO**

Lab Sample ID: 240-22141-13 Date Sampled: 03/18/2013 1447
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.11 g
Analysis Date:	04/11/2013 0253			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.024	J	0.010	0.090
Aluminum		9100		0.26	2.7
Arsenic		13		0.016	0.090
Barium		58	Q	0.0096	0.90
Beryllium		0.51		0.0068	0.090
Calcium		230		1.2	9.0
Cadmium		0.082	J	0.012	0.090
Chromium		11		0.020	0.18
Cobalt		8.0	Q	0.0022	0.045
Copper		14	Q	0.030	0.18
Iron		20000		0.97	4.5
Magnesium		2400		0.97	9.0
Manganese		260	Q	0.014	0.45
Sodium		56		2.4	9.0
Nickel		19		0.010	0.090
Lead		11		0.014	0.090
Antimony		0.090	U	0.041	0.18
Thallium		0.13		0.0092	0.090
Vanadium		13		0.027	0.090
Zinc		45	Q	0.058	0.45
Potassium		890		2.8	9.0
Selenium		0.19	J	0.046	0.45

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.55 g
Analysis Date:	03/27/2013 1733			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.022	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0197M-0001-SO**

Lab Sample ID: 240-22141-14 Date Sampled: 03/18/2013 1425
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.11 g
Analysis Date:	04/11/2013 0301			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.014	J	0.010	0.090
Aluminum		8700		0.26	2.7
Arsenic		10		0.016	0.090
Barium		44	Q	0.0096	0.90
Beryllium		0.47		0.0068	0.090
Calcium		160		1.2	9.0
Cadmium		0.085	J	0.012	0.090
Chromium		11		0.020	0.18
Cobalt		8.0	Q	0.0022	0.045
Copper		12	Q	0.030	0.18
Iron		18000		0.97	4.5
Magnesium		2100		0.97	9.0
Manganese		190	Q	0.014	0.45
Sodium		31		2.4	9.0
Nickel		16		0.010	0.090
Lead		8.4		0.014	0.090
Antimony		0.090	U	0.041	0.18
Thallium		0.11		0.0092	0.090
Vanadium		12		0.027	0.090
Zinc		37	Q	0.058	0.45
Potassium		880		2.8	9.0
Selenium		0.14	J	0.046	0.45

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.61 g
Analysis Date:	03/27/2013 1734			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.017	J	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0198M-0001-SO**

Lab Sample ID: 240-22141-15 Date Sampled: 03/18/2013 1340
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.15 g
Analysis Date:	04/11/2013 0309			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.016	J	0.0099	0.087
Aluminum		8700		0.25	2.6
Arsenic		13		0.016	0.087
Barium		45	Q	0.0093	0.87
Beryllium		0.45		0.0065	0.087
Calcium		130		1.2	8.7
Cadmium		0.078	J	0.011	0.087
Chromium		10		0.019	0.17
Cobalt		11	Q	0.0021	0.043
Copper		13	Q	0.029	0.17
Iron		19000		0.94	4.3
Magnesium		1900		0.94	8.7
Manganese		290	Q	0.014	0.43
Sodium		27		2.3	8.7
Nickel		14		0.0098	0.087
Lead		11		0.013	0.087
Antimony		0.087	U	0.040	0.17
Thallium		0.12		0.0089	0.087
Vanadium		13		0.026	0.087
Zinc		35	Q	0.056	0.43
Potassium		770		2.7	8.7
Selenium		0.17	J	0.044	0.43

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.54 g
Analysis Date:	03/27/2013 1736			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.037	U	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0199M-0001-SO**

Lab Sample ID: 240-22141-16 Date Sampled: 03/18/2013 1233
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.09 g
Analysis Date:	04/11/2013 0318			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.018	J	0.010	0.092
Aluminum		7600		0.26	2.8
Arsenic		16		0.017	0.092
Barium		93	Q	0.0098	0.92
Beryllium		0.52		0.0069	0.092
Calcium		3600		1.2	9.2
Cadmium		0.11		0.012	0.092
Chromium		11		0.020	0.18
Cobalt		10	Q	0.0022	0.046
Copper		12	Q	0.030	0.18
Iron		24000		0.99	4.6
Magnesium		2000		0.99	9.2
Manganese		2000	Q	0.015	0.46
Sodium		68		2.4	9.2
Nickel		24		0.010	0.092
Lead		11		0.014	0.092
Antimony		0.046	J	0.042	0.18
Thallium		0.19		0.0094	0.092
Vanadium		12		0.027	0.092
Zinc		37	Q	0.059	0.46
Potassium		740		2.9	9.2
Selenium		0.20	J	0.047	0.46

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.59 g
Analysis Date:	03/27/2013 1737			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.034	U	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0200M-0001-SO**

Lab Sample ID: 240-22141-17 Date Sampled: 03/18/2013 1143
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.02 g
Analysis Date:	04/11/2013 0326			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.018	J	0.011	0.098
Aluminum		8700		0.28	2.9
Arsenic		11		0.018	0.098
Barium		65	Q	0.010	0.98
Beryllium		0.44		0.0074	0.098
Calcium		770		1.3	9.8
Cadmium		0.082	J	0.013	0.098
Chromium		11		0.022	0.20
Cobalt		6.9	Q	0.0024	0.049
Copper		12	Q	0.032	0.20
Iron		20000		1.1	4.9
Magnesium		2000		1.1	9.8
Manganese		430	Q	0.016	0.49
Sodium		32		2.6	9.8
Nickel		16		0.011	0.098
Lead		9.9		0.015	0.098
Antimony		0.098	U	0.045	0.20
Thallium		0.12		0.010	0.098
Vanadium		14		0.029	0.098
Zinc		32	Q	0.064	0.49
Potassium		770		3.1	9.8
Selenium		0.21	J	0.050	0.49

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.55 g
Analysis Date:	03/27/2013 1741			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.030	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0201M-0001-SO**

Lab Sample ID: 240-22141-18 Date Sampled: 03/18/2013 1255
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.14 g
Analysis Date:	04/11/2013 0352			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.015	J	0.010	0.088
Aluminum		8100		0.25	2.6
Arsenic		12		0.016	0.088
Barium		47	Q	0.0094	0.88
Beryllium		0.44		0.0066	0.088
Calcium		270		1.2	8.8
Cadmium		0.082	J	0.012	0.088
Chromium		10		0.020	0.18
Cobalt		8.9	Q	0.0021	0.044
Copper		14	Q	0.029	0.18
Iron		19000		0.94	4.4
Magnesium		1900		0.95	8.8
Manganese		340	Q	0.014	0.44
Sodium		28		2.3	8.8
Nickel		16		0.0099	0.088
Lead		11		0.014	0.088
Antimony		0.088	U	0.040	0.18
Thallium		0.11		0.0089	0.088
Vanadium		11		0.026	0.088
Zinc		41	Q	0.057	0.44
Potassium		800		2.8	8.8
Selenium		0.16	J	0.045	0.44

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.54 g
Analysis Date:	03/27/2013 1743			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.016	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0202-0001-SO**

Lab Sample ID: 240-22141-19 Date Sampled: 03/18/2013 1253
Client Matrix: Solid % Moisture: 18.1 Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.14 g
Analysis Date:	04/11/2013 0400			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.046	J	0.012	0.11
Aluminum		13000		0.31	3.2
Arsenic		13		0.019	0.11
Barium		120	Q	0.011	1.1
Beryllium		0.90		0.0080	0.11
Calcium		780		1.4	11
Cadmium		0.14		0.014	0.11
Chromium		14		0.024	0.21
Cobalt		18	Q	0.0026	0.054
Copper		5.0	Q	0.035	0.21
Iron		30000		1.2	5.4
Magnesium		1600		1.2	11
Sodium		31		2.8	11
Nickel		12		0.012	0.11
Lead		19		0.017	0.11
Antimony		0.11	U	0.049	0.21
Thallium		0.21		0.011	0.11
Vanadium		32		0.032	0.11
Zinc		43	Q	0.069	0.54
Potassium		630		3.4	11
Selenium		0.60		0.055	0.54

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	10			Initial Weight/Volume:	00001.14 g
Analysis Date:	04/12/2013 2016			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		4700	D	0.17	5.4

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79493	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.55 g
Analysis Date:	03/27/2013 1013			Final Weight/Volume:	100 mL
Prep Date:	03/26/2013 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.035	J	0.019	0.13

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0203-0001-SO**

Lab Sample ID: 240-22141-20 Date Sampled: 03/18/2013 1255
Client Matrix: Solid % Moisture: 18.5 Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.14 g
Analysis Date:	04/11/2013 0409			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.037	J	0.012	0.11
Aluminum		15000		0.31	3.2
Arsenic		12		0.019	0.11
Barium		74	Q	0.012	1.1
Beryllium		0.73		0.0081	0.11
Calcium		570		1.4	11
Cadmium		0.063	J	0.014	0.11
Chromium		17		0.024	0.22
Cobalt		9.0	Q	0.0026	0.054
Copper		7.6	Q	0.036	0.22
Iron		30000		1.2	5.4
Magnesium		2100		1.2	11
Manganese		880	Q	0.017	0.54
Sodium		36		2.9	11
Nickel		12		0.012	0.11
Lead		14		0.017	0.11
Antimony		0.11	U	0.049	0.22
Thallium		0.16		0.011	0.11
Vanadium		30		0.032	0.11
Zinc		45	Q	0.070	0.54
Potassium		850		3.4	11
Selenium		0.64		0.055	0.54

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79493	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	03/27/2013 1015			Final Weight/Volume:	100 mL
Prep Date:	03/26/2013 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.039	U	0.017	0.12

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0204M-0001-SO**

Lab Sample ID: 240-22141-21 Date Sampled: 03/18/2013 1808
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.10 g
Analysis Date:	04/10/2013 2135			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.026	J	0.010	0.091
Aluminum		14000	J	0.26	2.7
Arsenic		13		0.016	0.091
Barium		82	Q	0.0097	0.91
Beryllium		0.70		0.0068	0.091
Calcium		400		1.2	9.1
Cadmium		0.15		0.012	0.091
Chromium		16		0.020	0.18
Cobalt		13	Q	0.0022	0.045
Copper		20	Q	0.030	0.18
Iron		25000	J	0.98	4.5
Magnesium		3300		0.98	9.1
Manganese		760	Q J	0.014	0.45
Sodium		50		2.4	9.1
Nickel		27		0.010	0.091
Lead		13		0.014	0.091
Antimony		0.045	J	0.042	0.18
Thallium		0.18		0.0093	0.091
Vanadium		19		0.027	0.091
Zinc		70	Q	0.059	0.45
Potassium		1100		2.9	9.1
Selenium		0.34	J	0.046	0.45

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.59 g
Analysis Date:	03/27/2013 1744			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.015	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0206M-0001-SO**

Lab Sample ID: 240-22141-22 Date Sampled: 03/18/2013 1810
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.08 g
Analysis Date:	04/10/2013 2216			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.017	J	0.011	0.093
Aluminum		4400		0.26	2.8
Arsenic		14		0.017	0.093
Barium		40	Q	0.0099	0.93
Beryllium		0.25		0.0069	0.093
Calcium		230		1.2	9.3
Cadmium		0.12		0.012	0.093
Chromium		6.8		0.021	0.19
Cobalt		5.5	Q	0.0022	0.046
Copper		8.2	Q	0.031	0.19
Iron		12000		1.0	4.6
Magnesium		1100		1.0	9.3
Manganese		550	Q	0.015	0.46
Sodium		26		2.5	9.3
Nickel		14		0.010	0.093
Lead		7.4		0.014	0.093
Antimony		0.21		0.043	0.19
Thallium		0.10		0.0094	0.093
Vanadium		7.3		0.028	0.093
Zinc		43	Q	0.060	0.46
Potassium		560		2.9	9.3
Selenium		0.098	J	0.047	0.46

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.56 g
Analysis Date:	03/27/2013 1746			Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.035	U	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0207M-0001-SO**

Lab Sample ID: 240-22141-23 Date Sampled: 03/18/2013 1556
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.17 g
Analysis Date:	04/10/2013 2224			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.020	J	0.0097	0.085
Aluminum		7700		0.24	2.6
Arsenic		10		0.015	0.085
Barium		50	Q	0.0091	0.85
Beryllium		0.43		0.0064	0.085
Calcium		140		1.1	8.5
Cadmium		0.11		0.011	0.085
Chromium		10		0.019	0.17
Cobalt		10	Q	0.0021	0.043
Copper		11	Q	0.028	0.17
Iron		18000		0.92	4.3
Magnesium		1800		0.92	8.5
Manganese		1100	Q	0.014	0.43
Sodium		29		2.3	8.5
Nickel		20		0.0097	0.085
Lead		9.0		0.013	0.085
Antimony		0.056	J	0.039	0.17
Thallium		0.11		0.0087	0.085
Vanadium		11		0.026	0.085
Zinc		54	Q	0.055	0.43
Potassium		830		2.7	8.5
Selenium		0.20	J	0.044	0.43

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80366	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79782	Lab File ID:	040213B-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.60 g
Analysis Date:	04/02/2013 1347			Final Weight/Volume:	100 mL
Prep Date:	03/28/2013 1510				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.033	U	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0208M-0001-SO**

Lab Sample ID: 240-22141-24 Date Sampled: 03/18/2013 1610
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.18 g
Analysis Date:	04/10/2013 2233			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.030	J	0.0097	0.085
Aluminum		12000		0.24	2.5
Arsenic		12		0.015	0.085
Barium		70	Q	0.0091	0.85
Beryllium		0.70		0.0064	0.085
Calcium		430		1.1	8.5
Cadmium		0.14		0.011	0.085
Chromium		14		0.019	0.17
Cobalt		10	Q	0.0020	0.042
Copper		18	Q	0.028	0.17
Iron		26000		0.91	4.2
Magnesium		3100		0.91	8.5
Manganese		380	Q	0.013	0.42
Sodium		43		2.3	8.5
Nickel		23		0.0096	0.085
Lead		13		0.013	0.085
Antimony		0.039	J	0.039	0.17
Thallium		0.16		0.0086	0.085
Vanadium		18		0.025	0.085
Zinc		67	Q	0.055	0.42
Potassium		1000		2.7	8.5
Selenium		0.29	J	0.043	0.42

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80366	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79782	Lab File ID:	040213B-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.56 g
Analysis Date:	04/02/2013 1351			Final Weight/Volume:	100 mL
Prep Date:	03/28/2013 1510				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.035	U	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0209M-0001-SO**

Lab Sample ID: 240-22141-25 Date Sampled: 03/18/2013 1805
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.09 g
Analysis Date:	04/10/2013 2254			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.021	J	0.010	0.092
Aluminum		10000		0.26	2.8
Arsenic		16		0.017	0.092
Barium		55	Q	0.0098	0.92
Beryllium		0.55		0.0069	0.092
Calcium		490		1.2	9.2
Cadmium		0.11		0.012	0.092
Chromium		13		0.020	0.18
Cobalt		13	Q	0.0022	0.046
Copper		16	Q	0.030	0.18
Iron		22000		0.99	4.6
Magnesium		2400		0.99	9.2
Manganese		270	Q	0.015	0.46
Sodium		43		2.4	9.2
Nickel		31		0.010	0.092
Lead		11		0.014	0.092
Antimony		0.092	U	0.042	0.18
Thallium		0.17		0.0094	0.092
Vanadium		14		0.027	0.092
Zinc		52	Q	0.059	0.46
Potassium		1000		2.9	9.2
Selenium		0.27	J	0.047	0.46

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80366	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79782	Lab File ID:	040213B-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.52 g
Analysis Date:	04/02/2013 1352			Final Weight/Volume:	100 mL
Prep Date:	03/28/2013 1510				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.038	U	0.016	0.12

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0210M-0001-SO**

Lab Sample ID: 240-22141-26 Date Sampled: 03/18/2013 1815
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.11 g
Analysis Date:	04/10/2013 2302			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.018	J	0.010	0.090
Aluminum		7500		0.26	2.7
Arsenic		18		0.016	0.090
Barium		37	Q	0.0096	0.90
Beryllium		0.36		0.0068	0.090
Calcium		270		1.2	9.0
Cadmium		0.089	J	0.012	0.090
Chromium		9.6		0.020	0.18
Cobalt		6.0	Q	0.0022	0.045
Copper		9.5	Q	0.030	0.18
Iron		15000		0.97	4.5
Magnesium		1700		0.97	9.0
Manganese		150	Q	0.014	0.45
Sodium		28		2.4	9.0
Nickel		17		0.010	0.090
Lead		8.1		0.014	0.090
Antimony		0.090	U	0.041	0.18
Thallium		0.13		0.0092	0.090
Vanadium		12		0.027	0.090
Zinc		43	Q	0.058	0.45
Potassium		720		2.8	9.0
Selenium		0.19	J	0.046	0.45

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80366	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79782	Lab File ID:	040213B-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.56 g
Analysis Date:	04/02/2013 1354			Final Weight/Volume:	100 mL
Prep Date:	03/28/2013 1510				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.035	U	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SB-0211M-0001-SO**

Lab Sample ID: 240-22141-27 Date Sampled: 03/18/2013 1600
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.10 g
Analysis Date:	04/10/2013 2310			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.018	J	0.010	0.091
Aluminum		8800		0.26	2.7
Arsenic		18		0.016	0.091
Barium		76	Q	0.0097	0.91
Beryllium		0.47		0.0068	0.091
Calcium		320		1.2	9.1
Cadmium		0.30		0.012	0.091
Chromium		12		0.020	0.18
Cobalt		10	Q	0.0022	0.045
Copper		13	Q	0.030	0.18
Iron		18000		0.98	4.5
Magnesium		2300		0.98	9.1
Manganese		860	Q	0.014	0.45
Sodium		31		2.4	9.1
Nickel		20		0.010	0.091
Lead		9.8		0.014	0.091
Antimony		0.091	U	0.042	0.18
Thallium		0.13		0.0093	0.091
Vanadium		13		0.027	0.091
Zinc		76	Q	0.059	0.45
Potassium		830		2.9	9.1
Selenium		0.21	J	0.046	0.45

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80366	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79782	Lab File ID:	040213B-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.61 g
Analysis Date:	04/02/2013 1357			Final Weight/Volume:	100 mL
Prep Date:	03/28/2013 1510				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.032	U	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0212-0001-SO**

Lab Sample ID: 240-22141-28 Date Sampled: 03/18/2013 1640
Client Matrix: Solid % Moisture: 18.2 Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.14 g
Analysis Date:	04/10/2013 2318			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.029	J	0.012	0.11
Aluminum		11000		0.31	3.2
Arsenic		7.8		0.019	0.11
Barium		51	Q	0.011	1.1
Beryllium		0.29		0.0080	0.11
Calcium		440		1.4	11
Cadmium		0.059	J	0.014	0.11
Chromium		11		0.024	0.21
Cobalt		2.6	Q	0.0026	0.054
Copper		4.7	Q	0.035	0.21
Iron		16000		1.2	5.4
Magnesium		1300		1.2	11
Manganese		220	Q	0.017	0.54
Sodium		28		2.9	11
Nickel		6.9		0.012	0.11
Lead		11		0.017	0.11
Antimony		0.11	U	0.049	0.21
Thallium		0.16		0.011	0.11
Vanadium		22		0.032	0.11
Zinc		31	Q	0.069	0.54
Potassium		500		3.4	11
Selenium		0.30	J	0.055	0.54

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79493	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Analysis Date:	03/27/2013 1016			Final Weight/Volume:	100 mL
Prep Date:	03/26/2013 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.054	J	0.020	0.14

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0213-0001-SO**

Lab Sample ID: 240-22141-29 Date Sampled: 03/18/2013 1642
Client Matrix: Solid % Moisture: 18.2 Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.08 g
Analysis Date:	04/10/2013 2327			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.026	J	0.013	0.11
Aluminum		14000		0.32	3.4
Arsenic		21		0.020	0.11
Barium		56	Q	0.012	1.1
Beryllium		0.57		0.0085	0.11
Calcium		460		1.5	11
Cadmium		0.095	J	0.015	0.11
Chromium		16		0.025	0.23
Cobalt		3.6	Q	0.0027	0.057
Copper		13	Q	0.037	0.23
Iron		30000		1.2	5.7
Magnesium		1700		1.2	11
Manganese		220	Q	0.018	0.57
Sodium		30		3.0	11
Nickel		10		0.013	0.11
Lead		16		0.017	0.11
Antimony		0.11	U	0.052	0.23
Thallium		0.17		0.012	0.11
Vanadium		29		0.034	0.11
Zinc		35	Q	0.073	0.57
Potassium		680		3.6	11
Selenium		0.45	J	0.058	0.57

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-79644	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79493	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Analysis Date:	03/27/2013 1018			Final Weight/Volume:	100 mL
Prep Date:	03/26/2013 1425				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.033	J	0.020	0.14

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0317M-0001-SO**

Lab Sample ID: 240-22141-30 Date Sampled: 03/18/2013 1700
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.16 g
Analysis Date:	04/10/2013 2335			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.093		0.0098	0.086
Aluminum		12000		0.25	2.6
Arsenic		17		0.016	0.086
Barium		550	Q	0.0092	0.86
Beryllium		0.56		0.0065	0.086
Calcium		490		1.1	8.6
Cadmium		0.14		0.011	0.086
Chromium		42		0.019	0.17
Cobalt		9.7	Q	0.0021	0.043
Copper		11	Q	0.028	0.17
Iron		19000		0.93	4.3
Magnesium		2400		0.93	8.6
Sodium		34		2.3	8.6
Nickel		42		0.0097	0.086
Lead		17		0.013	0.086
Antimony		0.044	J	0.040	0.17
Thallium		0.52		0.0088	0.086
Vanadium		22		0.026	0.086
Zinc		49	Q	0.056	0.43
Potassium		610		2.7	8.6
Selenium		0.45		0.044	0.43

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30412A.xml
Dilution:	10			Initial Weight/Volume:	00001.16 g
Analysis Date:	04/12/2013 1731			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		4400	D	0.14	4.3

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80366	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79782	Lab File ID:	040213B-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.51 g
Analysis Date:	04/02/2013 1401			Final Weight/Volume:	100 mL
Prep Date:	03/28/2013 1510				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.37		0.016	0.12

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Client Sample ID: **079SS-0318M-0001-SO**

Lab Sample ID: 240-22141-31 Date Sampled: 03/18/2013 1705
Client Matrix: Solid Date Received: 03/19/2013 1716

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-68949	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0			Initial Weight/Volume:	00001.05 g
Analysis Date:	04/10/2013 2343			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.037	J	0.011	0.095
Aluminum		11000		0.27	2.9
Arsenic		11		0.017	0.095
Barium		72	Q	0.010	0.95
Beryllium		0.54		0.0071	0.095
Calcium		1200		1.3	9.5
Cadmium		0.16		0.013	0.095
Chromium		54		0.021	0.19
Cobalt		8.6	Q	0.0023	0.048
Copper		8.9	Q	0.031	0.19
Iron		20000		1.0	4.8
Magnesium		6800		1.0	9.5
Sodium		38		2.5	9.5
Nickel		100		0.011	0.095
Lead		13		0.015	0.095
Antimony		0.095	U	0.044	0.19
Thallium		0.14		0.0097	0.095
Vanadium		20		0.028	0.095
Zinc		42	Q	0.062	0.48
Potassium		640		3.0	9.5
Selenium		0.37	J	0.048	0.48

Analysis Method:	6020/DOD	Analysis Batch:	180-69084	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-67705	Lab File ID:	M30412A.xml
Dilution:	10			Initial Weight/Volume:	00001.05 g
Analysis Date:	04/12/2013 1739			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Manganese		4100	D	0.15	4.8

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-80366	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-79782	Lab File ID:	040213B-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.63 g
Analysis Date:	04/02/2013 1402			Final Weight/Volume:	100 mL
Prep Date:	03/28/2013 1510				
Leach Date:	03/20/2013 1543				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Mercury		0.036	J	0.013	0.095

General Chemistry

Client Sample ID: **079SS-0182M-0001-SO**

Lab Sample ID: 240-22141-1 Date Sampled: 03/18/2013 1007

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.7	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0184M-0001-SO**

Lab Sample ID: 240-22141-2 Date Sampled: 03/18/2013 1040

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.9	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0185M-0001-SO**

Lab Sample ID: 240-22141-3 Date Sampled: 03/18/2013 1415
Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.5	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0186M-0001-SO**

Lab Sample ID: 240-22141-4 Date Sampled: 03/18/2013 1100

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.6	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0187M-0001-SO**

Lab Sample ID: 240-22141-5 Date Sampled: 03/18/2013 1130

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.5	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0188M-0001-SO**

Lab Sample ID: 240-22141-6 Date Sampled: 03/18/2013 1405

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.7	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0189M-0001-SO**

Lab Sample ID: 240-22141-7 Date Sampled: 03/18/2013 1225

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.4	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0190M-0001-SO**

Lab Sample ID: 240-22141-8 Date Sampled: 03/18/2013 1230

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.4	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0191M-0001-SO**

Lab Sample ID: 240-22141-9 Date Sampled: 03/18/2013 1430

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.6	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0192M-0001-SO**

Lab Sample ID: 240-22141-10 Date Sampled: 03/18/2013 1318

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.4	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0193M-0001-SO**

Lab Sample ID: 240-22141-11 Date Sampled: 03/18/2013 1530

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.4	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0195M-0001-SO**

Lab Sample ID: 240-22141-12 Date Sampled: 03/18/2013 1446
Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.8	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0196M-0001-SO**

Lab Sample ID: 240-22141-13 Date Sampled: 03/18/2013 1447
Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.1	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0197M-0001-SO**

Lab Sample ID: 240-22141-14 Date Sampled: 03/18/2013 1425
Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.2	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0198M-0001-SO**

Lab Sample ID: 240-22141-15 Date Sampled: 03/18/2013 1340

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.2	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0199M-0001-SO**

Lab Sample ID: 240-22141-16 Date Sampled: 03/18/2013 1233

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	0.97	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0200M-0001-SO**

Lab Sample ID: 240-22141-17 Date Sampled: 03/18/2013 1143

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.1	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0201M-0001-SO**

Lab Sample ID: 240-22141-18 Date Sampled: 03/18/2013 1255

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.1	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0202-0001-SO**

Lab Sample ID: 240-22141-19 Date Sampled: 03/18/2013 1253

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	82	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	18	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0203-0001-SO**

Lab Sample ID: 240-22141-20 Date Sampled: 03/18/2013 1255

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	81	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	19	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0204M-0001-SO**

Lab Sample ID: 240-22141-21 Date Sampled: 03/18/2013 1808

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.8	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0206M-0001-SO**

Lab Sample ID: 240-22141-22 Date Sampled: 03/18/2013 1810

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	0.68	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0207M-0001-SO**

Lab Sample ID: 240-22141-23 Date Sampled: 03/18/2013 1556

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.2	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0208M-0001-SO**

Lab Sample ID: 240-22141-24 Date Sampled: 03/18/2013 1610

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.5	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0209M-0001-SO**

Lab Sample ID: 240-22141-25 Date Sampled: 03/18/2013 1805

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.3	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0210M-0001-SO**

Lab Sample ID: 240-22141-26 Date Sampled: 03/18/2013 1815

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.1	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SB-0211M-0001-SO**

Lab Sample ID: 240-22141-27 Date Sampled: 03/18/2013 1600

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.1	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0212-0001-SO**

Lab Sample ID: 240-22141-28 Date Sampled: 03/18/2013 1640

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	82	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	18	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0213-0001-SO**

Lab Sample ID: 240-22141-29 Date Sampled: 03/18/2013 1642

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	82	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	18	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0317M-0001-SO**

Lab Sample ID: 240-22141-30 Date Sampled: 03/18/2013 1700

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.5	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

General Chemistry

Client Sample ID: **079SS-0318M-0001-SO**

Lab Sample ID: 240-22141-31 Date Sampled: 03/18/2013 1705

Client Matrix: Solid Date Received: 03/19/2013 1716

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N
Percent Moisture	1.4	H	%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-79830	Analysis Date: 03/28/2013 1516						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Method Blank - Batch: 180-67702

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	MB 180-67702/1-A	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.16 g
Analysis Date:	04/10/2013 2351	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.026	U	0.0098	0.086
Aluminum	0.332	J	0.25	2.6
Arsenic	0.043	U	0.016	0.086
Barium	0.00948	J Q	0.0092	0.86
Beryllium	0.0086	U	0.0065	0.086
Calcium	1.11	J	1.1	8.6
Cadmium	0.026	U	0.011	0.086
Chromium	0.034	U	0.019	0.17
Cobalt	0.0086	U Q	0.0021	0.043
Copper	0.052	U Q	0.028	0.17
Iron	1.7	U	0.93	4.3
Magnesium	1.7	U	0.93	8.6
Manganese	0.104	J Q	0.014	0.43
Sodium	4.3	U	2.3	8.6
Nickel	0.026	U	0.0097	0.086
Lead	0.026	U	0.013	0.086
Antimony	0.086	U	0.040	0.17
Thallium	0.017	U	0.0088	0.086
Vanadium	0.052	U	0.026	0.086
Zinc	0.17	U Q	0.056	0.43
Potassium	5.2	U	2.7	8.6
Selenium	0.086	U	0.044	0.43

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Control Sample - Batch: 180-67702

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	LCS 180-67702/2-A	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.09 g
Analysis Date:	04/11/2013 0000	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	4.59	4.15	90	60 - 114	
Aluminum	183	182	99	80 - 120	
Arsenic	3.67	3.22	88	73 - 110	
Barium	183	168	92	70 - 110	Q
Beryllium	4.59	4.26	93	79 - 110	
Calcium	4590	4320	94	80 - 120	
Cadmium	4.59	4.16	91	74 - 110	
Chromium	18.3	16.8	92	70 - 110	
Cobalt	45.9	42.3	92	74 - 110	Q
Copper	22.9	21.6	94	73 - 110	Q
Iron	91.7	93.7	102	80 - 120	
Magnesium	4590	4310	94	80 - 120	
Manganese	45.9	40.0	87	80 - 120	Q
Sodium	4590	4310	94	80 - 120	
Nickel	45.9	42.6	93	75 - 110	
Lead	1.83	1.66	91	75 - 110	
Antimony	45.9	41.3	90	68 - 113	
Thallium	4.59	4.12	90	71 - 110	
Vanadium	45.9	42.9	94	72 - 110	
Zinc	45.9	41.2	90	72 - 113	Q
Potassium	4590	4280	93	80 - 120	
Selenium	0.917	0.817	89	65 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Post Digestion Spike - Batch: 180-67702

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22141-1	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.10 g
Analysis Date:	04/11/2013 0057	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.26	4.55	4.82	100	80 - 120	
Aluminum	13000	182	12500	-50	80 - 120	
Arsenic	12	3.64	14.6	83	80 - 120	
Barium	310	182	503	105	80 - 120	Q
Beryllium	0.61	4.55	5.32	104	80 - 120	
Calcium	3800	4550	8090	95	80 - 120	
Cadmium	0.28	4.55	4.86	101	80 - 120	
Chromium	28	18.2	44.2	91	80 - 120	
Cobalt	7.6	45.5	51.6	97	80 - 120	Q
Copper	12	22.7	34.0	95	80 - 120	Q
Iron	19000	90.9	18700	-740	80 - 120	
Magnesium	2700	4550	7360	103	80 - 120	
Manganese	12000	45.5	11300	-780	80 - 120	J Q
Sodium	81	4550	4890	106	80 - 120	
Nickel	31	45.5	73.5	94	80 - 120	
Lead	25	1.82	26.4	57	80 - 120	
Antimony	0.059 J	45.5	44.5	98	80 - 120	
Thallium	0.50	4.55	5.08	101	80 - 120	
Vanadium	23	45.5	66.7	96	80 - 120	
Zinc	98	45.5	138	88	80 - 120	Q
Potassium	900	4550	5390	99	80 - 120	
Selenium	0.49	0.909	1.38	98	80 - 120	

Post Digestion Spike - Batch: 180-67702

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22141-1	Analysis Batch:	180-69084	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	00001.10 g
Analysis Date:	04/12/2013 1837	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Manganese	13000	45.5	13100	-280	80 - 120	D J

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-67702

Method: 6020/DOD
Preparation: 3050B

MS Lab Sample ID:	240-22141-1	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.07 g
Analysis Date:	04/11/2013 0041			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				
Leach Date:	N/A				

MSD Lab Sample ID:	240-22141-1	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.07 g
Analysis Date:	04/11/2013 0049			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	90	90	75 - 125	0	20		
Aluminum	3105	3350	70 - 130	2	20	4	4
Arsenic	140	129	23 - 131	3	20	J	
Barium	165	335	10 - 199	41	20	Q	Q J
Beryllium	96	98	58 - 112	1	20		
Calcium	103	106	70 - 130	1	20		
Cadmium	91	93	58 - 110	1	20		
Chromium	115	114	10 - 199	0	20		
Cobalt	87	89	55 - 110	2	20	Q	Q
Copper	94	90	10 - 199	3	20	Q	Q
Iron	353	1513	70 - 130	5	20	4	4
Magnesium	104	105	70 - 130	1	20		
Sodium	97	96	70 - 130	0	20		
Nickel	88	91	10 - 176	2	20		
Lead	-3	-171	10 - 199	13	20	4	4
Antimony	26	24	75 - 125	6	20	J	J
Thallium	88	89	82 - 110	1	20		
Vanadium	103	105	39 - 129	1	20		
Zinc	118	119	10 - 199	0	20	Q	Q
Potassium	108	104	70 - 130	3	20		
Selenium	78	87	39 - 116	6	20		

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-67702

Method: 6020/DOD
Preparation: 3050B

MS Lab Sample ID:	240-22141-1	Analysis Batch:	180-69084	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	00001.07 g
Analysis Date:	04/12/2013 1821			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				
Leach Date:	N/A				

MSD Lab Sample ID:	240-22141-1	Analysis Batch:	180-69084	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	00001.07 g
Analysis Date:	04/12/2013 1829			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Manganese	12194	10954	10 - 199	3	20	D 4	D 4

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-67702

Method: 6020/DOD
Preparation: 3050B

MS Lab Sample ID:	240-22141-1	Units: mg/Kg	MSD Lab Sample ID:	240-22141-1	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/11/2013 0041		Analysis Date:	04/11/2013 0049	
Prep Date:	03/29/2013 0825		Prep Date:	03/29/2013 0825	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Silver	0.26	4.67	4.67	4.44		4.45	
Aluminum	13000	187	187	18400	4	18900	4
Arsenic	12	3.74	3.74	16.8	J	16.4	
Barium	310	187	187	620	Q	938	Q J
Beryllium	0.61	4.67	4.67	5.11		5.17	
Calcium	3800	4670	4670	8570		8700	
Cadmium	0.28	4.67	4.67	4.55		4.62	
Chromium	28	18.7	18.7	49.1		49.0	
Cobalt	7.6	46.7	46.7	48.2	Q	49.3	Q
Copper	12	23.4	23.4	34.4	Q	33.5	Q
Iron	19000	93.5	93.5	19700	4	20800	4
Magnesium	2700	4670	4670	7530		7590	
Sodium	81	4670	4670	4610		4590	
Nickel	31	46.7	46.7	72.0		73.6	
Lead	25	1.87	1.87	25.3	4	22.1	4
Antimony	0.059 J	46.7	46.7	12.0	J	11.3	J
Thallium	0.50	4.67	4.67	4.61		4.67	
Vanadium	23	46.7	46.7	71.1		71.8	
Zinc	98	46.7	46.7	153	Q	154	Q
Potassium	900	4670	4670	5950		5750	
Selenium	0.49	0.935	0.935	1.22		1.31	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-67702

Method: 6020/DOD
Preparation: 3050B

MS Lab Sample ID:	240-22141-1	Units: mg/Kg	MSD Lab Sample ID:	240-22141-1	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	10		Dilution:	10	
Analysis Date:	04/12/2013 1821		Analysis Date:	04/12/2013 1829	
Prep Date:	03/29/2013 0825		Prep Date:	03/29/2013 0825	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Manganese	13000	46.7	46.7	18900	D 4	18400	D 4

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Serial Dilution - Batch: 180-67702 **Method: 6020/DOD**
Preparation: 3050B

Lab Sample ID:	240-22141-1	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67702	Lab File ID:	M30410A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.10 g
Analysis Date:	04/11/2013 0033	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Silver	0.26	0.250	NC	10	J D
Aluminum	13000	12700	0.86	10	D
Arsenic	12	10.8	6.1	10	D
Barium	310	289	7.2	10	D Q
Beryllium	0.61	0.630	2.8	10	D
Calcium	3800	3500	6.9	10	D
Cadmium	0.28	0.272	NC	10	J D
Chromium	28	28.3	2.2	10	D
Cobalt	7.6	7.62	0.34	10	D Q
Copper	12	12.4	0.98	10	D Q
Iron	19000	19900	2.6	10	D
Magnesium	2700	2490	7.1	10	D
Sodium	81	72.4	NC	10	D
Nickel	31	31.3	1.3	10	D
Lead	25	25.5	0.72	10	D
Antimony	0.059 J	0.45	NC	10	U
Thallium	0.50	0.505	0.31	10	D
Vanadium	23	23.4	2.5	10	D
Zinc	98	97.4	0.93	10	D Q
Potassium	900	955	5.8	10	D
Selenium	0.49	0.45	NC	10	U

Serial Dilution - Batch: 180-67702 **Method: 6020/DOD**
Preparation: 3050B

Lab Sample ID:	240-22141-1	Analysis Batch:	180-69084	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67702	Lab File ID:	M30412A.xml
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	00001.10 g
Analysis Date:	04/12/2013 1812	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0825				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Manganese	13000	13400	1.1	10	D

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Method Blank - Batch: 180-67705

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	MB 180-67705/1-A	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.05 g
Analysis Date:	04/10/2013 2119	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Silver	0.029	U	0.011	0.095
Aluminum	0.57	U	0.27	2.9
Arsenic	0.048	U	0.017	0.095
Barium	0.019	U Q	0.010	0.95
Beryllium	0.0095	U	0.0071	0.095
Calcium	2.4	U	1.3	9.5
Cadmium	0.029	U	0.013	0.095
Chromium	0.038	U	0.021	0.19
Cobalt	0.0095	U Q	0.0023	0.048
Copper	0.057	U Q	0.031	0.19
Iron	1.9	U	1.0	4.8
Magnesium	1.9	U	1.0	9.5
Manganese	0.029	U Q	0.015	0.48
Sodium	4.8	U	2.5	9.5
Nickel	0.029	U	0.011	0.095
Lead	0.029	U	0.015	0.095
Antimony	0.095	U	0.044	0.19
Thallium	0.019	U	0.0097	0.095
Vanadium	0.057	U	0.028	0.095
Zinc	0.19	U Q	0.062	0.48
Potassium	3.08	J	3.0	9.5
Selenium	0.095	U	0.048	0.48

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Control Sample - Batch: 180-67705

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	LCS 180-67705/2-A	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.09 g
Analysis Date:	04/10/2013 2127	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	4.59	4.28	93	60 - 114	
Aluminum	183	185	101	80 - 120	
Arsenic	3.67	3.23	88	73 - 110	
Barium	183	172	94	70 - 110	Q
Beryllium	4.59	4.36	95	79 - 110	
Calcium	4590	4360	95	80 - 120	
Cadmium	4.59	4.27	93	74 - 110	
Chromium	18.3	17.1	93	70 - 110	
Cobalt	45.9	43.0	94	74 - 110	Q
Copper	22.9	21.7	95	73 - 110	Q
Iron	91.7	92.3	101	80 - 120	
Magnesium	4590	4380	95	80 - 120	
Manganese	45.9	42.7	93	80 - 120	Q
Sodium	4590	4370	95	80 - 120	
Nickel	45.9	42.8	93	75 - 110	
Lead	1.83	1.75	95	75 - 110	
Antimony	45.9	42.1	92	68 - 113	
Thallium	4.59	4.30	94	71 - 110	
Vanadium	45.9	43.6	95	72 - 110	
Zinc	45.9	41.8	91	72 - 113	Q
Potassium	4590	4340	95	80 - 120	
Selenium	0.917	0.835	91	65 - 110	

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Post Digestion Spike - Batch: 180-67705

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22141-21	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.10 g
Analysis Date:	04/10/2013 2208	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.026	J	4.55	4.66	102	80 - 120	
Aluminum	14000		182	13800	-140	80 - 120	
Arsenic	13		3.64	15.8	85	80 - 120	
Barium	82		182	275	106	80 - 120	Q
Beryllium	0.70		4.55	5.33	102	80 - 120	
Calcium	400		4550	4740	95	80 - 120	
Cadmium	0.15		4.55	4.74	101	80 - 120	
Chromium	16		18.2	33.2	92	80 - 120	
Cobalt	13		45.5	55.4	94	80 - 120	Q
Copper	20		22.7	40.6	93	80 - 120	Q
Iron	25000		90.9	24400	-770	80 - 120	
Magnesium	3300		4550	7860	100	80 - 120	
Manganese	760		45.5	772	37	80 - 120	Q
Sodium	50		4550	4780	104	80 - 120	
Nickel	27		45.5	68.8	93	80 - 120	
Lead	13		1.82	14.5	85	80 - 120	
Antimony	0.045	J	45.5	42.2	93	80 - 120	
Thallium	0.18		4.55	4.84	102	80 - 120	
Vanadium	19		45.5	63.7	98	80 - 120	
Zinc	70		45.5	111	90	80 - 120	Q
Potassium	1100		4550	5450	95	80 - 120	
Selenium	0.34	J	0.909	1.20	95	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-67705

Method: 6020/DOD
Preparation: 3050B

MS Lab Sample ID:	240-22141-21	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.11 g
Analysis Date:	04/10/2013 2151			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				
Leach Date:	N/A				

MSD Lab Sample ID:	240-22141-21	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.07 g
Analysis Date:	04/10/2013 2200			Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	91	90	75 - 125	3	20		
Aluminum	2455	3356	70 - 130	10	20	4	4
Arsenic	77	84	23 - 131	2	20		
Barium	97	98	10 - 199	3	20	Q	Q
Beryllium	97	97	58 - 112	3	20		
Calcium	87	87	70 - 130	3	20		
Cadmium	94	93	58 - 110	3	20		
Chromium	100	107	10 - 199	6	20		
Cobalt	86	85	55 - 110	1	20	Q	Q
Copper	86	86	10 - 199	2	20	Q	Q
Iron	-71	524	70 - 130	2	20	4	4
Magnesium	103	105	70 - 130	3	20		
Manganese	-58	-189	10 - 199	9	20	Q 4	Q 4
Sodium	97	97	70 - 130	3	20		
Nickel	87	85	10 - 176	1	20		
Lead	98	118	10 - 199	3	20	4	4
Antimony	25	22	75 - 125	9	20	J	J
Thallium	91	91	82 - 110	3	20		
Vanadium	108	109	39 - 129	3	20		
Zinc	88	88	10 - 199	1	20	Q	Q
Potassium	98	104	70 - 130	8	20		
Selenium	76	85	39 - 116	10	20		

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-67705

Method: 6020/DOD
Preparation: 3050B

MS Lab Sample ID:	240-22141-21	Units: mg/Kg		MSD Lab Sample ID:	240-22141-21
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/10/2013 2151			Analysis Date:	04/10/2013 2200
Prep Date:	03/29/2013 0841			Prep Date:	03/29/2013 0841
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Silver	0.026	J	4.50	4.67	4.13		4.24	
Aluminum	14000		180	187	18500	4	20400	4
Arsenic	13		3.60	3.74	15.5		15.9	
Barium	82		180	187	256	Q	265	Q
Beryllium	0.70		4.50	4.67	5.07		5.23	
Calcium	400		4500	4670	4340		4460	
Cadmium	0.15		4.50	4.67	4.37		4.48	
Chromium	16		18.0	18.7	34.5		36.5	
Cobalt	13		45.0	46.7	51.7	Q	52.3	Q
Copper	20		22.5	23.4	38.9	Q	39.6	Q
Iron	25000		90.1	93.5	25100	4	25600	4
Magnesium	3300		4500	4670	7940		8210	
Manganese	760		45.0	46.7	729	Q 4	667	Q 4
Sodium	50		4500	4670	4440		4570	
Nickel	27		45.0	46.7	65.8		66.4	
Lead	13		1.80	1.87	14.7	4	15.1	4
Antimony	0.045	J	45.0	46.7	11.2	J	10.2	J
Thallium	0.18		4.50	4.67	4.28		4.41	
Vanadium	19		45.0	46.7	67.8		70.2	
Zinc	70		45.0	46.7	110	Q	111	Q
Potassium	1100		4500	4670	5540		5970	
Selenium	0.34	J	0.901	0.935	1.02		1.13	

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Serial Dilution - Batch: 180-67705

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	240-22141-21	Analysis Batch:	180-68949	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-67705	Lab File ID:	M30410A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	00001.10 g
Analysis Date:	04/10/2013 2143	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/29/2013 0841				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	0.026	J	0.14	NC	10	U
Aluminum	14000		14000	0.58	10	D
Arsenic	13		13.1	2.6	10	D
Barium	82		84.1	2.7	10	D Q
Beryllium	0.70		0.681	2.9	10	D
Calcium	400		415	3.8	10	D
Cadmium	0.15		0.152	NC	10	J D
Chromium	16		17.1	4.0	10	D
Cobalt	13		13.3	4.0	10	D Q
Copper	20		20.2	3.3	10	D Q
Iron	25000		26600	6.0	10	D
Magnesium	3300		3270	1.2	10	D
Manganese	760		782	3.5	10	D Q
Sodium	50		47.2	NC	10	D
Nickel	27		27.7	4.3	10	D
Lead	13		12.9	0.11	10	D
Antimony	0.045	J	0.45	NC	10	U
Thallium	0.18		0.187	NC	10	J D
Vanadium	19		20.1	4.1	10	D
Zinc	70		72.4	3.5	10	D Q
Potassium	1100		1180	4.2	10	D
Selenium	0.34	J	0.351	NC	10	J D

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Method Blank - Batch: 240-79493

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-79493/1-A	Analysis Batch:	240-79644	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-79493	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	03/27/2013 0948	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/26/2013 1425				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-79493

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-79493/2-A	Analysis Batch:	240-79644	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-79493	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	03/27/2013 0950	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/26/2013 1425				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.888	107	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Method Blank - Batch: 240-79646

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-79646/1-A	Analysis Batch:	240-79644	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	03/27/2013 1706	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-79646

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-79646/2-A	Analysis Batch:	240-79644	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	03/27/2013 1708	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.924	111	80 - 120	

Matrix Spike - Batch: 240-79646

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-22141-1	Analysis Batch:	240-79644	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.60 g
Analysis Date:	03/27/2013 1712	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.055	J	0.167	0.275	132	80 - 120	J

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Duplicate - Batch: 240-79646

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-22141-1	Analysis Batch:	240-79644	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-79646	Lab File ID:	032713A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.60 g
Analysis Date:	03/27/2013 1711	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/27/2013 1430				
Leach Date:	03/20/2013 1543				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.055	J	0.0546	1	20	J

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Method Blank - Batch: 240-79782

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-79782/1-A	Analysis Batch:	240-80366	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-79782	Lab File ID:	040213B-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/02/2013 1344	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/28/2013 1510				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-79782

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-79782/2-A	Analysis Batch:	240-80366	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-79782	Lab File ID:	040213B-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/02/2013 1346	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/28/2013 1510				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.821	99	80 - 120	

Matrix Spike - Batch: 240-79782

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-22141-23	Analysis Batch:	240-80366	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-79782	Lab File ID:	040213B-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.60 g
Analysis Date:	04/02/2013 1349	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/28/2013 1510				
Leach Date:	03/20/2013 1543				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.033	U	0.167	0.172	103	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Duplicate - Batch: 240-79782

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-22141-23	Analysis Batch:	240-80366	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-79782	Lab File ID:	040213B-HG1.PRN
Dilution:	1.0	Leach Batch:	240-79400	Initial Weight/Volume:	0.60 g
Analysis Date:	04/02/2013 1350	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/28/2013 1510				
Leach Date:	03/20/2013 1543				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.033	U	0.033	NC	20	U

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Duplicate - Batch: 240-79830 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-22141-10	Analysis Batch:	240-79830	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/28/2013 1516	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	99	99	0.1	20	
Percent Moisture	1.4	1.3	8	20	

Duplicate - Batch: 240-79830 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-22141-20	Analysis Batch:	240-79830	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/28/2013 1516	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	81	83	1	20	
Percent Moisture	19	17	6	20	

Duplicate - Batch: 240-79830 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-22141-30	Analysis Batch:	240-79830	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/28/2013 1516	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	99	99	0.04	20	
Percent Moisture	1.5	1.4	3	20	

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.
General Chemistry		
	H	Sample was prepped or analyzed beyond the specified holding time

Client: Environmental Chemical Corp. Job Number: 240-22141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 180-67702					
LCS 180-67702/2-A	Lab Control Sample	T	Solid	3050B	
MB 180-67702/1-A	Method Blank	T	Solid	3050B	
240-22141-1	079SS-0182M-0001-SO	T	Solid	3050B	
240-22141-1MS	Matrix Spike	T	Solid	3050B	
240-22141-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-22141-2	079SS-0184M-0001-SO	T	Solid	3050B	
240-22141-3	079SS-0185M-0001-SO	T	Solid	3050B	
240-22141-4	079SS-0186M-0001-SO	T	Solid	3050B	
240-22141-5	079SS-0187M-0001-SO	T	Solid	3050B	
240-22141-6	079SS-0188M-0001-SO	T	Solid	3050B	
240-22141-7	079SS-0189M-0001-SO	T	Solid	3050B	
240-22141-8	079SS-0190M-0001-SO	T	Solid	3050B	
240-22141-9	079SS-0191M-0001-SO	T	Solid	3050B	
240-22141-10	079SS-0192M-0001-SO	T	Solid	3050B	
240-22141-11	079SS-0193M-0001-SO	T	Solid	3050B	
240-22141-12	079SB-0195M-0001-SO	T	Solid	3050B	
240-22141-13	079SB-0196M-0001-SO	T	Solid	3050B	
240-22141-14	079SB-0197M-0001-SO	T	Solid	3050B	
240-22141-15	079SB-0198M-0001-SO	T	Solid	3050B	
240-22141-16	079SB-0199M-0001-SO	T	Solid	3050B	
240-22141-17	079SB-0200M-0001-SO	T	Solid	3050B	
240-22141-18	079SB-0201M-0001-SO	T	Solid	3050B	
240-22141-19	079SS-0202-0001-SO	T	Solid	3050B	
240-22141-20	079SS-0203-0001-SO	T	Solid	3050B	
Prep Batch: 180-67705					
LCS 180-67705/2-A	Lab Control Sample	T	Solid	3050B	
MB 180-67705/1-A	Method Blank	T	Solid	3050B	
240-22141-21	079SB-0204M-0001-SO	T	Solid	3050B	
240-22141-21MS	Matrix Spike	T	Solid	3050B	
240-22141-21MSD	Matrix Spike Duplicate	T	Solid	3050B	
240-22141-22	079SB-0206M-0001-SO	T	Solid	3050B	
240-22141-23	079SB-0207M-0001-SO	T	Solid	3050B	
240-22141-24	079SB-0208M-0001-SO	T	Solid	3050B	
240-22141-25	079SB-0209M-0001-SO	T	Solid	3050B	
240-22141-26	079SB-0210M-0001-SO	T	Solid	3050B	
240-22141-27	079SB-0211M-0001-SO	T	Solid	3050B	
240-22141-28	079SS-0212-0001-SO	T	Solid	3050B	
240-22141-29	079SS-0213-0001-SO	T	Solid	3050B	
240-22141-30	079SS-0317M-0001-SO	T	Solid	3050B	
240-22141-31	079SS-0318M-0001-SO	T	Solid	3050B	

Client: Environmental Chemical Corp. Job Number: 240-22141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:180-68949					
LCS 180-67702/2-A	Lab Control Sample	T	Solid	6020/DOD	180-67702
MB 180-67702/1-A	Method Blank	T	Solid	6020/DOD	180-67702
LCS 180-67705/2-A	Lab Control Sample	T	Solid	6020/DOD	180-67705
MB 180-67705/1-A	Method Blank	T	Solid	6020/DOD	180-67705
240-22141-1	079SS-0182M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-1MS	Matrix Spike	T	Solid	6020/DOD	180-67702
240-22141-1MSD	Matrix Spike Duplicate	T	Solid	6020/DOD	180-67702
240-22141-2	079SS-0184M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-3	079SS-0185M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-4	079SS-0186M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-5	079SS-0187M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-6	079SS-0188M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-7	079SS-0189M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-8	079SS-0190M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-9	079SS-0191M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-10	079SS-0192M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-11	079SS-0193M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-12	079SB-0195M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-13	079SB-0196M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-14	079SB-0197M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-15	079SB-0198M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-16	079SB-0199M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-17	079SB-0200M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-18	079SB-0201M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-19	079SS-0202-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-20	079SS-0203-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-21	079SB-0204M-0001-SO	T	Solid	6020/DOD	180-67705
240-22141-21MS	Matrix Spike	T	Solid	6020/DOD	180-67705
240-22141-21MSD	Matrix Spike Duplicate	T	Solid	6020/DOD	180-67705
240-22141-22	079SB-0206M-0001-SO	T	Solid	6020/DOD	180-67705
240-22141-23	079SB-0207M-0001-SO	T	Solid	6020/DOD	180-67705
240-22141-24	079SB-0208M-0001-SO	T	Solid	6020/DOD	180-67705
240-22141-25	079SB-0209M-0001-SO	T	Solid	6020/DOD	180-67705
240-22141-26	079SB-0210M-0001-SO	T	Solid	6020/DOD	180-67705
240-22141-27	079SB-0211M-0001-SO	T	Solid	6020/DOD	180-67705
240-22141-28	079SS-0212-0001-SO	T	Solid	6020/DOD	180-67705
240-22141-29	079SS-0213-0001-SO	T	Solid	6020/DOD	180-67705
240-22141-30	079SS-0317M-0001-SO	T	Solid	6020/DOD	180-67705
240-22141-31	079SS-0318M-0001-SO	T	Solid	6020/DOD	180-67705

Client: Environmental Chemical Corp. Job Number: 240-22141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:180-69084					
240-22141-1	079SS-0182M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-1MS	Matrix Spike	T	Solid	6020/DOD	180-67702
240-22141-1MSD	Matrix Spike Duplicate	T	Solid	6020/DOD	180-67702
240-22141-2	079SS-0184M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-3	079SS-0185M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-4	079SS-0186M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-5	079SS-0187M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-6	079SS-0188M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-7	079SS-0189M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-8	079SS-0190M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-10	079SS-0192M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-11	079SS-0193M-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-19	079SS-0202-0001-SO	T	Solid	6020/DOD	180-67702
240-22141-30	079SS-0317M-0001-SO	T	Solid	6020/DOD	180-67705
240-22141-31	079SS-0318M-0001-SO	T	Solid	6020/DOD	180-67705

Client: Environmental Chemical Corp. Job Number: 240-22141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-79400					
240-22141-1	079SS-0182M-0001-SO	T	Solid	Increment, Prep	
240-22141-1DU	Duplicate	T	Solid	Increment, Prep	
240-22141-1MS	Matrix Spike	T	Solid	Increment, Prep	
240-22141-2	079SS-0184M-0001-SO	T	Solid	Increment, Prep	
240-22141-3	079SS-0185M-0001-SO	T	Solid	Increment, Prep	
240-22141-4	079SS-0186M-0001-SO	T	Solid	Increment, Prep	
240-22141-5	079SS-0187M-0001-SO	T	Solid	Increment, Prep	
240-22141-6	079SS-0188M-0001-SO	T	Solid	Increment, Prep	
240-22141-7	079SS-0189M-0001-SO	T	Solid	Increment, Prep	
240-22141-8	079SS-0190M-0001-SO	T	Solid	Increment, Prep	
240-22141-9	079SS-0191M-0001-SO	T	Solid	Increment, Prep	
240-22141-10	079SS-0192M-0001-SO	T	Solid	Increment, Prep	
240-22141-11	079SS-0193M-0001-SO	T	Solid	Increment, Prep	
240-22141-12	079SB-0195M-0001-SO	T	Solid	Increment, Prep	
240-22141-13	079SB-0196M-0001-SO	T	Solid	Increment, Prep	
240-22141-14	079SB-0197M-0001-SO	T	Solid	Increment, Prep	
240-22141-15	079SB-0198M-0001-SO	T	Solid	Increment, Prep	
240-22141-16	079SB-0199M-0001-SO	T	Solid	Increment, Prep	
240-22141-17	079SB-0200M-0001-SO	T	Solid	Increment, Prep	
240-22141-18	079SB-0201M-0001-SO	T	Solid	Increment, Prep	
240-22141-21	079SB-0204M-0001-SO	T	Solid	Increment, Prep	
240-22141-22	079SB-0206M-0001-SO	T	Solid	Increment, Prep	
240-22141-23	079SB-0207M-0001-SO	T	Solid	Increment, Prep	
240-22141-23DU	Duplicate	T	Solid	Increment, Prep	
240-22141-23MS	Matrix Spike	T	Solid	Increment, Prep	
240-22141-24	079SB-0208M-0001-SO	T	Solid	Increment, Prep	
240-22141-25	079SB-0209M-0001-SO	T	Solid	Increment, Prep	
240-22141-26	079SB-0210M-0001-SO	T	Solid	Increment, Prep	
240-22141-27	079SB-0211M-0001-SO	T	Solid	Increment, Prep	
240-22141-30	079SS-0317M-0001-SO	T	Solid	Increment, Prep	
240-22141-31	079SS-0318M-0001-SO	T	Solid	Increment, Prep	
Prep Batch: 240-79493					
LCS 240-79493/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-79493/1-A	Method Blank	T	Solid	7471A	
240-22141-19	079SS-0202-0001-SO	T	Solid	7471A	
240-22141-20	079SS-0203-0001-SO	T	Solid	7471A	
240-22141-28	079SS-0212-0001-SO	T	Solid	7471A	
240-22141-29	079SS-0213-0001-SO	T	Solid	7471A	

Client: Environmental Chemical Corp. Job Number: 240-22141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-79644					
LCS 240-79493/2-A	Lab Control Sample	T	Solid	7471/DOD	240-79493
MB 240-79493/1-A	Method Blank	T	Solid	7471/DOD	240-79493
LCS 240-79646/2-A	Lab Control Sample	T	Solid	7471/DOD	240-79646
MB 240-79646/1-A	Method Blank	T	Solid	7471/DOD	240-79646
240-22141-1	079SS-0182M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-1DU	Duplicate	T	Solid	7471/DOD	240-79646
240-22141-1MS	Matrix Spike	T	Solid	7471/DOD	240-79646
240-22141-2	079SS-0184M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-3	079SS-0185M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-4	079SS-0186M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-5	079SS-0187M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-6	079SS-0188M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-7	079SS-0189M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-8	079SS-0190M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-9	079SS-0191M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-10	079SS-0192M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-11	079SS-0193M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-12	079SB-0195M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-13	079SB-0196M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-14	079SB-0197M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-15	079SB-0198M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-16	079SB-0199M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-17	079SB-0200M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-18	079SB-0201M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-19	079SS-0202-0001-SO	T	Solid	7471/DOD	240-79493
240-22141-20	079SS-0203-0001-SO	T	Solid	7471/DOD	240-79493
240-22141-21	079SB-0204M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-22	079SB-0206M-0001-SO	T	Solid	7471/DOD	240-79646
240-22141-28	079SS-0212-0001-SO	T	Solid	7471/DOD	240-79493
240-22141-29	079SS-0213-0001-SO	T	Solid	7471/DOD	240-79493

Client: Environmental Chemical Corp. Job Number: 240-22141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-79646					
LCS 240-79646/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-79646/1-A	Method Blank	T	Solid	7471A	
240-22141-1	079SS-0182M-0001-SO	T	Solid	7471A	240-79400
240-22141-1DU	Duplicate	T	Solid	7471A	240-79400
240-22141-1MS	Matrix Spike	T	Solid	7471A	240-79400
240-22141-2	079SS-0184M-0001-SO	T	Solid	7471A	240-79400
240-22141-3	079SS-0185M-0001-SO	T	Solid	7471A	240-79400
240-22141-4	079SS-0186M-0001-SO	T	Solid	7471A	240-79400
240-22141-5	079SS-0187M-0001-SO	T	Solid	7471A	240-79400
240-22141-6	079SS-0188M-0001-SO	T	Solid	7471A	240-79400
240-22141-7	079SS-0189M-0001-SO	T	Solid	7471A	240-79400
240-22141-8	079SS-0190M-0001-SO	T	Solid	7471A	240-79400
240-22141-9	079SS-0191M-0001-SO	T	Solid	7471A	240-79400
240-22141-10	079SS-0192M-0001-SO	T	Solid	7471A	240-79400
240-22141-11	079SS-0193M-0001-SO	T	Solid	7471A	240-79400
240-22141-12	079SB-0195M-0001-SO	T	Solid	7471A	240-79400
240-22141-13	079SB-0196M-0001-SO	T	Solid	7471A	240-79400
240-22141-14	079SB-0197M-0001-SO	T	Solid	7471A	240-79400
240-22141-15	079SB-0198M-0001-SO	T	Solid	7471A	240-79400
240-22141-16	079SB-0199M-0001-SO	T	Solid	7471A	240-79400
240-22141-17	079SB-0200M-0001-SO	T	Solid	7471A	240-79400
240-22141-18	079SB-0201M-0001-SO	T	Solid	7471A	240-79400
240-22141-21	079SB-0204M-0001-SO	T	Solid	7471A	240-79400
240-22141-22	079SB-0206M-0001-SO	T	Solid	7471A	240-79400
Prep Batch: 240-79782					
LCS 240-79782/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-79782/1-A	Method Blank	T	Solid	7471A	
240-22141-23	079SB-0207M-0001-SO	T	Solid	7471A	240-79400
240-22141-23DU	Duplicate	T	Solid	7471A	240-79400
240-22141-23MS	Matrix Spike	T	Solid	7471A	240-79400
240-22141-24	079SB-0208M-0001-SO	T	Solid	7471A	240-79400
240-22141-25	079SB-0209M-0001-SO	T	Solid	7471A	240-79400
240-22141-26	079SB-0210M-0001-SO	T	Solid	7471A	240-79400
240-22141-27	079SB-0211M-0001-SO	T	Solid	7471A	240-79400
240-22141-30	079SS-0317M-0001-SO	T	Solid	7471A	240-79400
240-22141-31	079SS-0318M-0001-SO	T	Solid	7471A	240-79400

Client: Environmental Chemical Corp. Job Number: 240-22141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-80366					
LCS 240-79782/2-A	Lab Control Sample	T	Solid	7471/DOD	240-79782
MB 240-79782/1-A	Method Blank	T	Solid	7471/DOD	240-79782
240-22141-23	079SB-0207M-0001-SO	T	Solid	7471/DOD	240-79782
240-22141-23DU	Duplicate	T	Solid	7471/DOD	240-79782
240-22141-23MS	Matrix Spike	T	Solid	7471/DOD	240-79782
240-22141-24	079SB-0208M-0001-SO	T	Solid	7471/DOD	240-79782
240-22141-25	079SB-0209M-0001-SO	T	Solid	7471/DOD	240-79782
240-22141-26	079SB-0210M-0001-SO	T	Solid	7471/DOD	240-79782
240-22141-27	079SB-0211M-0001-SO	T	Solid	7471/DOD	240-79782
240-22141-30	079SS-0317M-0001-SO	T	Solid	7471/DOD	240-79782
240-22141-31	079SS-0318M-0001-SO	T	Solid	7471/DOD	240-79782

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22141-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-79830					
240-22141-1	079SS-0182M-0001-SO	T	Solid	Moisture	
240-22141-2	079SS-0184M-0001-SO	T	Solid	Moisture	
240-22141-3	079SS-0185M-0001-SO	T	Solid	Moisture	
240-22141-4	079SS-0186M-0001-SO	T	Solid	Moisture	
240-22141-5	079SS-0187M-0001-SO	T	Solid	Moisture	
240-22141-6	079SS-0188M-0001-SO	T	Solid	Moisture	
240-22141-7	079SS-0189M-0001-SO	T	Solid	Moisture	
240-22141-8	079SS-0190M-0001-SO	T	Solid	Moisture	
240-22141-9	079SS-0191M-0001-SO	T	Solid	Moisture	
240-22141-10	079SS-0192M-0001-SO	T	Solid	Moisture	
240-22141-10DU	Duplicate	T	Solid	Moisture	
240-22141-11	079SS-0193M-0001-SO	T	Solid	Moisture	
240-22141-12	079SB-0195M-0001-SO	T	Solid	Moisture	
240-22141-13	079SB-0196M-0001-SO	T	Solid	Moisture	
240-22141-14	079SB-0197M-0001-SO	T	Solid	Moisture	
240-22141-15	079SB-0198M-0001-SO	T	Solid	Moisture	
240-22141-16	079SB-0199M-0001-SO	T	Solid	Moisture	
240-22141-17	079SB-0200M-0001-SO	T	Solid	Moisture	
240-22141-18	079SB-0201M-0001-SO	T	Solid	Moisture	
240-22141-19	079SS-0202-0001-SO	T	Solid	Moisture	
240-22141-20	079SS-0203-0001-SO	T	Solid	Moisture	
240-22141-20DU	Duplicate	T	Solid	Moisture	
240-22141-21	079SB-0204M-0001-SO	T	Solid	Moisture	
240-22141-22	079SB-0206M-0001-SO	T	Solid	Moisture	
240-22141-23	079SB-0207M-0001-SO	T	Solid	Moisture	
240-22141-24	079SB-0208M-0001-SO	T	Solid	Moisture	
240-22141-25	079SB-0209M-0001-SO	T	Solid	Moisture	
240-22141-26	079SB-0210M-0001-SO	T	Solid	Moisture	
240-22141-27	079SB-0211M-0001-SO	T	Solid	Moisture	
240-22141-28	079SS-0212-0001-SO	T	Solid	Moisture	
240-22141-29	079SS-0213-0001-SO	T	Solid	Moisture	
240-22141-30	079SS-0317M-0001-SO	T	Solid	Moisture	
240-22141-30DU	Duplicate	T	Solid	Moisture	
240-22141-31	079SS-0318M-0001-SO	T	Solid	Moisture	

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Laboratory Chronicle

Lab ID: 240-22141-1 **Client ID: 079SS-0182M-0001-SO**

Sample Date/Time: 03/18/2013 10:07 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-1-E		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-1-E		180-68949	180-67702	04/11/2013 00:08	1	TAL PIT	BR
P:3050B	240-22141-B-1-E ^10		180-69084	180-67702	03/29/2013 08:25	10	TAL PIT	CNS
A:6020/DOD	240-22141-B-1-E ^10		180-69084	180-67702	04/12/2013 17:48	10	TAL PIT	BR
P:7471A	240-22141-B-1-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-1-B		240-79644	240-79646	03/27/2013 17:09	1	TAL CAN	RT
A:Moisture	240-22141-A-1		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-1 MS **Client ID: 079SS-0182M-0001-SO**

Sample Date/Time: 03/18/2013 10:07 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-1-F MS		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-1-F MS		180-68949	180-67702	04/11/2013 00:41	1	TAL PIT	BR
P:3050B	240-22141-B-1-F MS ^10		180-69084	180-67702	03/29/2013 08:25	10	TAL PIT	CNS
A:6020/DOD	240-22141-B-1-F MS ^10		180-69084	180-67702	04/12/2013 18:21	10	TAL PIT	BR
P:7471A	240-22141-B-1-D MS		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-1-D MS		240-79644	240-79646	03/27/2013 17:12	1	TAL CAN	RT

Lab ID: 240-22141-1 MSD **Client ID: 079SS-0182M-0001-SO**

Sample Date/Time: 03/18/2013 10:07 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-1-G MSD		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-1-G MSD		180-68949	180-67702	04/11/2013 00:49	1	TAL PIT	BR
P:3050B	240-22141-B-1-G MSD ^10		180-69084	180-67702	03/29/2013 08:25	10	TAL PIT	CNS
A:6020/DOD	240-22141-B-1-G MSD ^10		180-69084	180-67702	04/12/2013 18:29	10	TAL PIT	BR

Lab ID: 240-22141-1 DU **Client ID: 079SS-0182M-0001-SO**

Sample Date/Time: 03/18/2013 10:07 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	240-22141-B-1-C DU		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-1-C DU		240-79644	240-79646	03/27/2013 17:11	1	TAL CAN	RT

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Laboratory Chronicle

Lab ID: 240-22141-1 SD **Client ID: 079SS-0182M-0001-SO**

Sample Date/Time: 03/18/2013 10:07 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-1-E SD ^5		180-68949	180-67702	03/29/2013 08:25	5	TAL PIT	CNS
A:6020/DOD	240-22141-B-1-E SD ^5		180-68949	180-67702	04/11/2013 00:33	5	TAL PIT	BR
P:3050B	240-22141-B-1-E PDS		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-1-E PDS		180-68949	180-67702	04/11/2013 00:57	1	TAL PIT	BR
P:3050B	240-22141-B-1-E SD ^50		180-69084	180-67702	03/29/2013 08:25	50	TAL PIT	CNS
A:6020/DOD	240-22141-B-1-E SD ^50		180-69084	180-67702	04/12/2013 18:12	50	TAL PIT	BR
P:3050B	240-22141-B-1-E PDS ^10		180-69084	180-67702	03/29/2013 08:25	10	TAL PIT	CNS
A:6020/DOD	240-22141-B-1-E PDS ^10		180-69084	180-67702	04/12/2013 18:37	10	TAL PIT	BR

Lab ID: 240-22141-2 **Client ID: 079SS-0184M-0001-SO**

Sample Date/Time: 03/18/2013 10:40 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-2-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-2-C		180-68949	180-67702	04/11/2013 01:06	1	TAL PIT	BR
P:3050B	240-22141-B-2-C ^100		180-69084	180-67702	03/29/2013 08:25	100	TAL PIT	CNS
A:6020/DOD	240-22141-B-2-C ^100		180-69084	180-67702	04/12/2013 18:45	100	TAL PIT	BR
P:7471A	240-22141-B-2-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-2-B		240-79644	240-79646	03/27/2013 17:13	1	TAL CAN	RT
A:Moisture	240-22141-A-2		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-3 **Client ID: 079SS-0185M-0001-SO**

Sample Date/Time: 03/18/2013 14:15 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-3-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-3-C		180-68949	180-67702	04/11/2013 01:14	1	TAL PIT	BR
P:3050B	240-22141-B-3-C ^100		180-69084	180-67702	03/29/2013 08:25	100	TAL PIT	CNS
A:6020/DOD	240-22141-B-3-C ^100		180-69084	180-67702	04/12/2013 18:54	100	TAL PIT	BR
P:7471A	240-22141-B-3-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-3-B		240-79644	240-79646	03/27/2013 17:15	1	TAL CAN	RT
A:Moisture	240-22141-A-3		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Laboratory Chronicle

Lab ID: 240-22141-4 **Client ID: 079SS-0186M-0001-SO**

Sample Date/Time: 03/18/2013 11:00 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-4-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-4-C		180-68949	180-67702	04/11/2013 01:22	1	TAL PIT	BR
P:3050B	240-22141-B-4-C ^10		180-69084	180-67702	03/29/2013 08:25	10	TAL PIT	CNS
A:6020/DOD	240-22141-B-4-C ^10		180-69084	180-67702	04/12/2013 19:02	10	TAL PIT	BR
P:7471A	240-22141-B-4-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-4-B		240-79644	240-79646	03/27/2013 17:16	1	TAL CAN	RT
A:Moisture	240-22141-A-4		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-5 **Client ID: 079SS-0187M-0001-SO**

Sample Date/Time: 03/18/2013 11:30 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-5-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-5-C		180-68949	180-67702	04/11/2013 01:30	1	TAL PIT	BR
P:3050B	240-22141-B-5-C ^10		180-69084	180-67702	03/29/2013 08:25	10	TAL PIT	CNS
A:6020/DOD	240-22141-B-5-C ^10		180-69084	180-67702	04/12/2013 19:10	10	TAL PIT	BR
P:7471A	240-22141-B-5-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-5-B		240-79644	240-79646	03/27/2013 17:18	1	TAL CAN	RT
A:Moisture	240-22141-A-5		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-6 **Client ID: 079SS-0188M-0001-SO**

Sample Date/Time: 03/18/2013 14:05 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-6-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-6-C		180-68949	180-67702	04/11/2013 01:38	1	TAL PIT	BR
P:3050B	240-22141-B-6-C ^100		180-69084	180-67702	03/29/2013 08:25	100	TAL PIT	CNS
A:6020/DOD	240-22141-B-6-C ^100		180-69084	180-67702	04/12/2013 19:18	100	TAL PIT	BR
P:7471A	240-22141-B-6-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-6-B		240-79644	240-79646	03/27/2013 17:19	1	TAL CAN	RT
A:Moisture	240-22141-A-6		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Laboratory Chronicle

Lab ID: 240-22141-7 **Client ID: 079SS-0189M-0001-SO**

Sample Date/Time: 03/18/2013 12:25 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-7-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-7-C		180-68949	180-67702	04/11/2013 01:47	1	TAL PIT	BR
P:3050B	240-22141-B-7-C ^100		180-69084	180-67702	03/29/2013 08:25	100	TAL PIT	CNS
A:6020/DOD	240-22141-B-7-C ^100		180-69084	180-67702	04/12/2013 19:27	100	TAL PIT	BR
P:7471A	240-22141-B-7-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-7-B		240-79644	240-79646	03/27/2013 17:23	1	TAL CAN	RT
A:Moisture	240-22141-A-7		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-8 **Client ID: 079SS-0190M-0001-SO**

Sample Date/Time: 03/18/2013 12:30 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-8-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-8-C		180-68949	180-67702	04/11/2013 02:12	1	TAL PIT	BR
P:3050B	240-22141-B-8-C ^10		180-69084	180-67702	03/29/2013 08:25	10	TAL PIT	CNS
A:6020/DOD	240-22141-B-8-C ^10		180-69084	180-67702	04/12/2013 19:51	10	TAL PIT	BR
P:7471A	240-22141-B-8-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-8-B		240-79644	240-79646	03/27/2013 17:25	1	TAL CAN	RT
A:Moisture	240-22141-A-8		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-9 **Client ID: 079SS-0191M-0001-SO**

Sample Date/Time: 03/18/2013 14:30 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-9-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-9-C		180-68949	180-67702	04/11/2013 02:20	1	TAL PIT	BR
P:7471A	240-22141-B-9-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-9-B		240-79644	240-79646	03/27/2013 17:27	1	TAL CAN	RT
A:Moisture	240-22141-A-9		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Laboratory Chronicle

Lab ID: 240-22141-10 **Client ID: 079SS-0192M-0001-SO**

Sample Date/Time: 03/18/2013 13:18 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-10-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-10-C		180-68949	180-67702	04/11/2013 02:28	1	TAL PIT	BR
P:3050B	240-22141-B-10-C ^100		180-69084	180-67702	03/29/2013 08:25	100	TAL PIT	CNS
A:6020/DOD	240-22141-B-10-C ^100		180-69084	180-67702	04/12/2013 20:00	100	TAL PIT	BR
P:7471A	240-22141-B-10-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-10-B		240-79644	240-79646	03/27/2013 17:28	1	TAL CAN	RT
A:Moisture	240-22141-A-10		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-10 DU **Client ID: 079SS-0192M-0001-SO**

Sample Date/Time: 03/18/2013 13:18 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-22141-A-10 DU		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-11 **Client ID: 079SS-0193M-0001-SO**

Sample Date/Time: 03/18/2013 15:30 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-11-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-11-C		180-68949	180-67702	04/11/2013 02:36	1	TAL PIT	BR
P:3050B	240-22141-B-11-C ^100		180-69084	180-67702	03/29/2013 08:25	100	TAL PIT	CNS
A:6020/DOD	240-22141-B-11-C ^100		180-69084	180-67702	04/12/2013 20:08	100	TAL PIT	BR
P:7471A	240-22141-B-11-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-11-B		240-79644	240-79646	03/27/2013 17:30	1	TAL CAN	RT
A:Moisture	240-22141-A-11		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-12 **Client ID: 079SB-0195M-0001-SO**

Sample Date/Time: 03/18/2013 14:46 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-12-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-12-C		180-68949	180-67702	04/11/2013 02:45	1	TAL PIT	BR
P:7471A	240-22141-B-12-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-12-B		240-79644	240-79646	03/27/2013 17:31	1	TAL CAN	RT
A:Moisture	240-22141-A-12		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Client: Environmental Chemical Corp. Job Number: 240-22141-1

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Lab ID: 240-22141-13 **Client ID: 079SB-0196M-0001-SO**

Sample Date/Time: 03/18/2013 14:47 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-13-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-13-C		180-68949	180-67702	04/11/2013 02:53	1	TAL PIT	BR
P:7471A	240-22141-B-13-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-13-B		240-79644	240-79646	03/27/2013 17:33	1	TAL CAN	RT
A:Moisture	240-22141-A-13		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-14 **Client ID: 079SB-0197M-0001-SO**

Sample Date/Time: 03/18/2013 14:25 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-14-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-14-C		180-68949	180-67702	04/11/2013 03:01	1	TAL PIT	BR
P:7471A	240-22141-B-14-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-14-B		240-79644	240-79646	03/27/2013 17:34	1	TAL CAN	RT
A:Moisture	240-22141-A-14		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-15 **Client ID: 079SB-0198M-0001-SO**

Sample Date/Time: 03/18/2013 13:40 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-15-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-15-C		180-68949	180-67702	04/11/2013 03:09	1	TAL PIT	BR
P:7471A	240-22141-B-15-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-15-B		240-79644	240-79646	03/27/2013 17:36	1	TAL CAN	RT
A:Moisture	240-22141-A-15		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-16 **Client ID: 079SB-0199M-0001-SO**

Sample Date/Time: 03/18/2013 12:33 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-16-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-16-C		180-68949	180-67702	04/11/2013 03:18	1	TAL PIT	BR
P:7471A	240-22141-B-16-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-16-B		240-79644	240-79646	03/27/2013 17:37	1	TAL CAN	RT
A:Moisture	240-22141-A-16		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Client: Environmental Chemical Corp. Job Number: 240-22141-1

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Lab ID: 240-22141-17 **Client ID: 079SB-0200M-0001-SO**

Sample Date/Time: 03/18/2013 11:43 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-17-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-17-C		180-68949	180-67702	04/11/2013 03:26	1	TAL PIT	BR
P:7471A	240-22141-B-17-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-17-B		240-79644	240-79646	03/27/2013 17:41	1	TAL CAN	RT
A:Moisture	240-22141-A-17		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-18 **Client ID: 079SB-0201M-0001-SO**

Sample Date/Time: 03/18/2013 12:55 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-18-C		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-18-C		180-68949	180-67702	04/11/2013 03:52	1	TAL PIT	BR
P:7471A	240-22141-B-18-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-18-B		240-79644	240-79646	03/27/2013 17:43	1	TAL CAN	RT
A:Moisture	240-22141-A-18		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-19 **Client ID: 079SS-0202-0001-SO**

Sample Date/Time: 03/18/2013 12:53 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-19-A		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-19-A		180-68949	180-67702	04/11/2013 04:00	1	TAL PIT	BR
P:3050B	240-22141-B-19-A ^10		180-69084	180-67702	03/29/2013 08:25	10	TAL PIT	CNS
A:6020/DOD	240-22141-B-19-A ^10		180-69084	180-67702	04/12/2013 20:16	10	TAL PIT	BR
P:7471A	240-22141-C-19-A		240-79644	240-79493	03/26/2013 14:25	1	TAL CAN	DE
A:7471/DOD	240-22141-C-19-A		240-79644	240-79493	03/27/2013 10:13	1	TAL CAN	RT
A:Moisture	240-22141-A-19		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-20 **Client ID: 079SS-0203-0001-SO**

Sample Date/Time: 03/18/2013 12:55 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-20-A		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-20-A		180-68949	180-67702	04/11/2013 04:09	1	TAL PIT	BR
P:7471A	240-22141-C-20-A		240-79644	240-79493	03/26/2013 14:25	1	TAL CAN	DE
A:7471/DOD	240-22141-C-20-A		240-79644	240-79493	03/27/2013 10:15	1	TAL CAN	RT
A:Moisture	240-22141-A-20		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Client: Environmental Chemical Corp. Job Number: 240-22141-1

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Lab ID: 240-22141-20 DU **Client ID: 079SS-0203-0001-SO**

Sample Date/Time: 03/18/2013 12:55 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-22141-A-20 DU		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-21 **Client ID: 079SB-0204M-0001-SO**

Sample Date/Time: 03/18/2013 18:08 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-21-C		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-21-C		180-68949	180-67705	04/10/2013 21:35	1	TAL PIT	BR
P:7471A	240-22141-B-21-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-21-B		240-79644	240-79646	03/27/2013 17:44	1	TAL CAN	RT
A:Moisture	240-22141-A-21		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-21 MS **Client ID: 079SB-0204M-0001-SO**

Sample Date/Time: 03/18/2013 18:08 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-21-D MS		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-21-D MS		180-68949	180-67705	04/10/2013 21:51	1	TAL PIT	BR

Lab ID: 240-22141-21 MSD **Client ID: 079SB-0204M-0001-SO**

Sample Date/Time: 03/18/2013 18:08 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-21-E MSD		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-21-E MSD		180-68949	180-67705	04/10/2013 22:00	1	TAL PIT	BR

Lab ID: 240-22141-21 SD **Client ID: 079SB-0204M-0001-SO**

Sample Date/Time: 03/18/2013 18:08 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-21-C SD ^5		180-68949	180-67705	03/29/2013 08:41	5	TAL PIT	CNS
A:6020/DOD	240-22141-B-21-C SD ^5		180-68949	180-67705	04/10/2013 21:43	5	TAL PIT	BR
P:3050B	240-22141-B-21-C PDS		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-21-C PDS		180-68949	180-67705	04/10/2013 22:08	1	TAL PIT	BR

Client: Environmental Chemical Corp. Job Number: 240-22141-1

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Lab ID: 240-22141-22 **Client ID: 079SB-0206M-0001-SO**

Sample Date/Time: 03/18/2013 18:10 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-22-C		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-22-C		180-68949	180-67705	04/10/2013 22:16	1	TAL PIT	BR
P:7471A	240-22141-B-22-B		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	240-22141-B-22-B		240-79644	240-79646	03/27/2013 17:46	1	TAL CAN	RT
A:Moisture	240-22141-A-22		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-23 **Client ID: 079SB-0207M-0001-SO**

Sample Date/Time: 03/18/2013 15:56 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-23-E		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-23-E		180-68949	180-67705	04/10/2013 22:24	1	TAL PIT	BR
P:7471A	240-22141-B-23-B		240-80366	240-79782	03/28/2013 15:10	1	TAL CAN	AS
A:7471/DOD	240-22141-B-23-B		240-80366	240-79782	04/02/2013 13:47	1	TAL CAN	AS
A:Moisture	240-22141-A-23		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-23 MS **Client ID: 079SB-0207M-0001-SO**

Sample Date/Time: 03/18/2013 15:56 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	240-22141-B-23-C MS		240-80366	240-79782	03/28/2013 15:10	1	TAL CAN	AS
A:7471/DOD	240-22141-B-23-C MS		240-80366	240-79782	04/02/2013 13:49	1	TAL CAN	AS

Lab ID: 240-22141-23 DU **Client ID: 079SB-0207M-0001-SO**

Sample Date/Time: 03/18/2013 15:56 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	240-22141-B-23-D DU		240-80366	240-79782	03/28/2013 15:10	1	TAL CAN	AS
A:7471/DOD	240-22141-B-23-D DU		240-80366	240-79782	04/02/2013 13:50	1	TAL CAN	AS

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Laboratory Chronicle

Lab ID: 240-22141-24 **Client ID: 079SB-0208M-0001-SO**

Sample Date/Time: 03/18/2013 16:10 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-24-C		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-24-C		180-68949	180-67705	04/10/2013 22:33	1	TAL PIT	BR
P:7471A	240-22141-B-24-B		240-80366	240-79782	03/28/2013 15:10	1	TAL CAN	AS
A:7471/DOD	240-22141-B-24-B		240-80366	240-79782	04/02/2013 13:51	1	TAL CAN	AS
A:Moisture	240-22141-A-24		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-25 **Client ID: 079SB-0209M-0001-SO**

Sample Date/Time: 03/18/2013 18:05 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-25-C		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-25-C		180-68949	180-67705	04/10/2013 22:54	1	TAL PIT	BR
P:7471A	240-22141-B-25-B		240-80366	240-79782	03/28/2013 15:10	1	TAL CAN	AS
A:7471/DOD	240-22141-B-25-B		240-80366	240-79782	04/02/2013 13:52	1	TAL CAN	AS
A:Moisture	240-22141-A-25		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-26 **Client ID: 079SB-0210M-0001-SO**

Sample Date/Time: 03/18/2013 18:15 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-26-C		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-26-C		180-68949	180-67705	04/10/2013 23:02	1	TAL PIT	BR
P:7471A	240-22141-B-26-B		240-80366	240-79782	03/28/2013 15:10	1	TAL CAN	AS
A:7471/DOD	240-22141-B-26-B		240-80366	240-79782	04/02/2013 13:54	1	TAL CAN	AS
A:Moisture	240-22141-A-26		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-27 **Client ID: 079SB-0211M-0001-SO**

Sample Date/Time: 03/18/2013 16:00 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-27-C		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-27-C		180-68949	180-67705	04/10/2013 23:10	1	TAL PIT	BR
P:7471A	240-22141-B-27-B		240-80366	240-79782	03/28/2013 15:10	1	TAL CAN	AS
A:7471/DOD	240-22141-B-27-B		240-80366	240-79782	04/02/2013 13:57	1	TAL CAN	AS
A:Moisture	240-22141-A-27		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Laboratory Chronicle

Lab ID: 240-22141-28 **Client ID: 079SS-0212-0001-SO**

Sample Date/Time: 03/18/2013 16:40 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-28-A		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-28-A		180-68949	180-67705	04/10/2013 23:18	1	TAL PIT	BR
P:7471A	240-22141-C-28-A		240-79644	240-79493	03/26/2013 14:25	1	TAL CAN	DE
A:7471/DOD	240-22141-C-28-A		240-79644	240-79493	03/27/2013 10:16	1	TAL CAN	RT
A:Moisture	240-22141-A-28		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-29 **Client ID: 079SS-0213-0001-SO**

Sample Date/Time: 03/18/2013 16:42 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-29-A		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-29-A		180-68949	180-67705	04/10/2013 23:27	1	TAL PIT	BR
P:7471A	240-22141-C-29-A		240-79644	240-79493	03/26/2013 14:25	1	TAL CAN	DE
A:7471/DOD	240-22141-C-29-A		240-79644	240-79493	03/27/2013 10:18	1	TAL CAN	RT
A:Moisture	240-22141-A-29		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-30 **Client ID: 079SS-0317M-0001-SO**

Sample Date/Time: 03/18/2013 17:00 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-30-C		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-30-C		180-68949	180-67705	04/10/2013 23:35	1	TAL PIT	BR
P:3050B	240-22141-B-30-C ^10		180-69084	180-67705	03/29/2013 08:41	10	TAL PIT	CNS
A:6020/DOD	240-22141-B-30-C ^10		180-69084	180-67705	04/12/2013 17:31	10	TAL PIT	BR
P:7471A	240-22141-B-30-B		240-80366	240-79782	03/28/2013 15:10	1	TAL CAN	AS
A:7471/DOD	240-22141-B-30-B		240-80366	240-79782	04/02/2013 14:01	1	TAL CAN	AS
A:Moisture	240-22141-A-30		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: 240-22141-30 DU **Client ID: 079SS-0317M-0001-SO**

Sample Date/Time: 03/18/2013 17:00 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-22141-A-30 DU		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Client: Environmental Chemical Corp. Job Number: 240-22141-1

Laboratory Chronicle

Lab ID: 240-22141-31 **Client ID:** 079SS-0318M-0001-SO

Sample Date/Time: 03/18/2013 17:05 Received Date/Time: 03/19/2013 17:16

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-22141-B-31-C		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	240-22141-B-31-C		180-68949	180-67705	04/10/2013 23:43	1	TAL PIT	BR
P:3050B	240-22141-B-31-C ^10		180-69084	180-67705	03/29/2013 08:41	10	TAL PIT	CNS
A:6020/DOD	240-22141-B-31-C ^10		180-69084	180-67705	04/12/2013 17:39	10	TAL PIT	BR
P:7471A	240-22141-B-31-B		240-80366	240-79782	03/28/2013 15:10	1	TAL CAN	AS
A:7471/DOD	240-22141-B-31-B		240-80366	240-79782	04/02/2013 14:02	1	TAL CAN	AS
A:Moisture	240-22141-A-31		240-79830		03/28/2013 15:16	1	TAL CAN	BW

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	MB 180-67705/1-A		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	MB 180-67705/1-A		180-68949	180-67705	04/10/2013 21:19	1	TAL PIT	BR
P:3050B	MB 180-67702/1-A		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	MB 180-67702/1-A		180-68949	180-67702	04/10/2013 23:51	1	TAL PIT	BR
P:7471A	MB 240-79493/1-A		240-79644	240-79493	03/26/2013 14:25	1	TAL CAN	DE
A:7471/DOD	MB 240-79493/1-A		240-79644	240-79493	03/27/2013 09:48	1	TAL CAN	RT
P:7471A	MB 240-79646/1-A		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	MB 240-79646/1-A		240-79644	240-79646	03/27/2013 17:06	1	TAL CAN	RT
P:7471A	MB 240-79782/1-A		240-80366	240-79782	03/28/2013 15:10	1	TAL CAN	AS
A:7471/DOD	MB 240-79782/1-A		240-80366	240-79782	04/02/2013 13:44	1	TAL CAN	AS

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCS 180-67705/2-A		180-68949	180-67705	03/29/2013 08:41	1	TAL PIT	CNS
A:6020/DOD	LCS 180-67705/2-A		180-68949	180-67705	04/10/2013 21:27	1	TAL PIT	BR
P:3050B	LCS 180-67702/2-A		180-68949	180-67702	03/29/2013 08:25	1	TAL PIT	CNS
A:6020/DOD	LCS 180-67702/2-A		180-68949	180-67702	04/11/2013 00:00	1	TAL PIT	BR
P:7471A	LCS 240-79493/2-A		240-79644	240-79493	03/26/2013 14:25	1	TAL CAN	DE
A:7471/DOD	LCS 240-79493/2-A		240-79644	240-79493	03/27/2013 09:50	1	TAL CAN	RT
P:7471A	LCS 240-79646/2-A		240-79644	240-79646	03/27/2013 14:30	1	TAL CAN	DE
A:7471/DOD	LCS 240-79646/2-A		240-79644	240-79646	03/27/2013 17:08	1	TAL CAN	RT
P:7471A	LCS 240-79782/2-A		240-80366	240-79782	03/28/2013 15:10	1	TAL CAN	AS
A:7471/DOD	LCS 240-79782/2-A		240-80366	240-79782	04/02/2013 13:46	1	TAL CAN	AS

Lab References:

TAL CAN = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MTAQUAREGIA_00477	03/26/13	03/26/13	NA, Lot NA	160 mL	MTHCL_00056	120 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00044	40 mL	Nitric acid	0.25 mL/mL
.MTHCL_00056	03/01/15		MACRON, Lot 0000024317		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00044	02/20/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00478	03/26/13	03/26/13	NA, Lot NA	80 mL	MTHCL_00056	60 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00044	20 mL	Nitric acid	0.25 mL/mL
.MTHCL_00056	03/01/15		MACRON, Lot 0000024317		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00044	02/20/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00480	03/27/13	03/27/13	NA, Lot NA	280 mL	MTHCL_00056	210 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00045	70 mL	Nitric acid	0.25 mL/mL
.MTHCL_00056	03/01/15		MACRON, Lot 0000024317		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00045	03/14/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00481	03/28/13	03/28/13	NA, Lot NA	400 mL	MTHCL_00056	300 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00045	100 mL	Nitric acid	0.25 mL/mL
.MTHCL_00056	03/01/15		MACRON, Lot 0000024317		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00045	03/14/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00484	04/02/13	04/02/13	NA, Lot NA	320 mL	MTHCL_00057	240 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00045	80 mL	Nitric acid	0.25 mL/mL
.MTHCL_00057	03/22/15		MACRON, Lot 0000013500		(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00045	03/14/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00338	03/26/13	03/26/13	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00006	1 mL	Mercury	100 ug/L
					MTHNO3_00044	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00006	08/20/13		High Purity, Lot 1221902		(Purchased Reagent)		Mercury	10 ug/mL
.MTHNO3_00044	02/20/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00339	03/26/13	03/26/13	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00006	1 mL	Mercury	100 ug/L
					MTHNO3_00044	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00006	08/20/13		High Purity, Lot 1221902		(Purchased Reagent)		Mercury	10 ug/mL
.MTHNO3_00044	02/20/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00340	03/27/13	03/27/13	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00006	1 mL	Mercury	100 ug/L
					MTHNO3_00044	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00006	08/20/13		High Purity, Lot 1221902		(Purchased Reagent)		Mercury	10 ug/mL
.MTHNO3_00044	02/20/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00341	03/28/13	03/28/13	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00006	1 mL	Mercury	100 ug/L
					MTHNO3_00045	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00006	08/20/13		High Purity, Lot 1221902		(Purchased Reagent)		Mercury	10 ug/mL
.MTHNO3_00045	03/14/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00345	04/02/13	04/02/13	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00008	1 mL	Mercury	100 ug/L
					MTHNO3_00045	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00008	03/14/14		High Purity, Lot 1306402		(Purchased Reagent)		Mercury	10 ug/mL
.MTHNO3_00045	03/14/15		Macron Chemicals, Lot L10022		(Purchased Reagent)		Nitric acid	100 %
MTHgStd_00009	03/08/14		Plasma Pure, Lot 1277101		(Purchased Reagent)		Mercury	1 ug/mL
MTKMN04W_00040	03/12/15	03/12/13	DIWATER, Lot DIWATER	2 L	MTKMN04_00013	100 g	Potassium Permanganate	0.05 g/g
.MTKMN04_00013	10/05/17		Fisher, Lot 121666		(Purchased Reagent)		Potassium Permanganate	1 g/g

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CCVHL1_00002	05/01/13	04/10/13	2% Nitric Acid, Lot 12756	50 mL	MCGAL10-1_00004	2.5 mL	Aluminum	500 ppm
					MCGBA1-1_00003	0.75 mL	Barium	15 ppm
					MCGCR(3)1-1_00003	1 mL	Chromium	20 ppm
					MCGCU1-1_00003	1 mL	Copper	20 ppm
					MCGFE10-1_00003	2.5 mL	Iron	500 ppm
					MCGMN1-1_00003	1 mL	Manganese	20 ppm
					MCGNI1-1_00003	0.5 mL	Nickel	10 ppm
					MCGPB1-1_00003	1 mL	Lead	20 ppm
					MCGZN1-1_00003	1 mL	Zinc	20 ppm
.MCGAL10-1_00004	12/01/13	Inorganic Ventures, Lot E2-AL04115			(Purchased Reagent)		Aluminum	10000 ppm
.MCGBA1-1_00003	12/01/13	Inorganic Ventures, Lot D2-BA02066			(Purchased Reagent)		Barium	1000 ppm
.MCGCR(3)1-1_00003	12/01/13	Inorganic Ventures, Lot E2-CR03060			(Purchased Reagent)		Chromium	1000 ppm
.MCGCU1-1_00003	12/01/13	Inorganic Ventures, Lot D2-CU02130			(Purchased Reagent)		Copper	1000 ppm
.MCGFE10-1_00003	06/01/13	Inorganic Ventures, Lot E2-FE03145			(Purchased Reagent)		Iron	10000 ppm
.MCGMN1-1_00003	08/01/13	Inorganic Ventures, Lot E2-MN02093			(Purchased Reagent)		Manganese	1000 ppm
.MCGNI1-1_00003	12/01/13	Inorganic Ventures, Lot D2-NI02074			(Purchased Reagent)		Nickel	1000 ppm
.MCGPB1-1_00003	05/01/13	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 ppm
.MCGZN1-1_00003	12/01/13	Inorganic Ventures, Lot D2-ZN02075			(Purchased Reagent)		Zinc	1000 ppm
CCVHL2_00002	05/01/13	04/10/13	2% Nitric Acid, Lot 12756	50 mL	MCGCA10-1_00003	5 mL	Calcium	1000 ppm
					MCGK10-1_00003	2.5 mL	Potassium	500 ppm
					MCGMG10-1_00004	5 mL	Magnesium	1000 ppm
					MCGNA10-1_00003	2.5 mL	Sodium	500 ppm
.MCGCA10-1_00003	06/01/13	Inorganic Ventures, Lot F2-CA04043			(Purchased Reagent)		Calcium	10000 ppm
.MCGK10-1_00003	05/01/13	Inorganic Ventures, Lot F2-K03029			(Purchased Reagent)		Potassium	10000 ppm
.MCGMG10-1_00004	12/01/13	Inorganic Ventures, Lot E2-MG03106			(Purchased Reagent)		Magnesium	10000 ppm
.MCGNA10-1_00003	08/01/13	Inorganic Ventures, Lot E2-NA03095			(Purchased Reagent)		Sodium	10000 ppm
MCCV1X_00039	05/01/13	04/01/13	2% Nitric Acid, Lot K35N55	500 mL	MCALSPECAREV_00004	10 mL	Aluminum	0.5 ppm
							Arsenic	0.1 ppm
							Barium	0.1 ppm
							Beryllium	0.1 ppm
							Cadmium	0.1 ppm
							Calcium	50 ppm
							Chromium	0.1 ppm
							Cobalt	0.1 ppm
							Copper	0.1 ppm
							Iron	25 ppm
							Lead	0.1 ppm
							Magnesium	50 ppm
							Manganese	0.5 ppm
							Nickel	0.1 ppm
							Potassium	50 ppm
							Selenium	0.1 ppm
							Silver	0.1 ppm
							Sodium	50 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thallium	0.1 ppm
							Vanadium	0.1 ppm
							Zinc	0.1 ppm
					MCALSPECB_00005	10 mL	Antimony	0.1 ppm
.MCALSPECAREV_00004	04/01/14	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Aluminum	25 ppm
							Arsenic	5 ppm
							Barium	5 ppm
							Beryllium	5 ppm
							Cadmium	5 ppm
							Calcium	2500 ppm
							Chromium	5 ppm
							Cobalt	5 ppm
							Copper	5 ppm
							Iron	1250 ppm
							Lead	5 ppm
							Magnesium	2500 ppm
							Manganese	25 ppm
							Nickel	5 ppm
							Potassium	2500 ppm
							Selenium	5 ppm
							Silver	5 ppm
							Sodium	2500 ppm
							Thallium	5 ppm
							Vanadium	5 ppm
							Zinc	5 ppm
.MCALSPECB_00005	04/01/14	Inorganic Ventures, Lot F2-MEB415032			(Purchased Reagent)		Antimony	5 ppm
MCRIX_00029	05/07/13	04/07/13	HNO3, Lot K09N65	250 mL	MMSCRI-1B_00002	1 mL	Aluminum	0.03 ppm
							Arsenic	0.001 ppm
							Barium	0.01 ppm
							Beryllium	0.001 ppm
							Cadmium	0.001 ppm
							Calcium	0.1 ppm
							Chromium	0.002 ppm
							Cobalt	0.0005 ppm
							Copper	0.002 ppm
							Iron	0.05 ppm
							Lead	0.001 ppm
							Magnesium	0.1 ppm
							Manganese	0.005 ppm
							Nickel	0.001 ppm
							Potassium	0.1 ppm
							Selenium	0.005 ppm
							Silver	0.001 ppm
							Sodium	0.1 ppm
							Thallium	0.001 ppm
							Vanadium	0.001 ppm
							Zinc	0.005 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MMSCRI-2_00004	1 mL	Antimony	0.002 ppm
.MMSCRI-1B_00002	10/01/13	Inorganic Ventures, Lot F2-MEB439152			(Purchased Reagent)		Aluminum	7.5 ppm
							Arsenic	0.25 ppm
							Barium	2.5 ppm
							Beryllium	0.25 ppm
							Cadmium	0.25 ppm
							Calcium	25 ppm
							Chromium	0.5 ppm
							Cobalt	0.125 ppm
							Copper	0.5 ppm
							Iron	12.5 ppm
							Lead	0.25 ppm
							Magnesium	25 ppm
							Manganese	1.25 ppm
							Nickel	0.25 ppm
							Potassium	25 ppm
							Selenium	1.25 ppm
							Silver	0.25 ppm
							Sodium	25 ppm
							Thallium	0.25 ppm
							Vanadium	0.25 ppm
							Zinc	1.25 ppm
.MMSCRI-2_00004	10/01/13	Inorganic Ventures, Lot F2-MEB436153			(Purchased Reagent)		Antimony	0.5 ppm
MICSABX_00033	05/07/13	04/07/13	2% Nitric Acid, Lot J38N82	100 mL	M6020ICS-0A_00003	10 mL	Aluminum	100 ppm
							Calcium	100 ppm
							Iron	100 ppm
							Magnesium	100 ppm
							Mo	2 ppm
							Potassium	100 ppm
							Sodium	100 ppm
							Ti	2 ppm
					M6020ICS-0B_00004	1 mL	Arsenic	0.02 ppm
							Cadmium	0.02 ppm
							Chromium	0.02 ppm
							Cobalt	0.02 ppm
							Copper	0.02 ppm
							Manganese	0.0225 ppm
							Nickel	0.02 ppm
							Silver	0.02 ppm
							Zinc	0.025 ppm
					MMSICSAB-1_00006	0.2 mL	Barium	0.02 ppm
							Beryllium	0.02 ppm
							Lead	0.02 ppm
							Sr	0.025 ppm
							Thallium	0.02 ppm
							Vanadium	0.02 ppm
					MMSICSAB-2_00005	0.2 mL	Antimony	0.02 ppm

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							B	0.05 ppm
							Selenium	0.05 ppm
							Si	0.5 ppm
							Sn	0.1 ppm
.M6020ICS-0A_00003	11/01/13	Inorganic Ventures, Lot F2-MEB418129			(Purchased Reagent)		Aluminum	1000 ppm
							Calcium	1000 ppm
							Iron	1000 ppm
							Magnesium	1000 ppm
							Mo	20 ppm
							Potassium	1000 ppm
							Sodium	1000 ppm
							Ti	20 ppm
.M6020ICS-0B_00004	11/01/13	Inorganic Ventures, Lot F2-MEB415126			(Purchased Reagent)		Arsenic	2 ppm
							Cadmium	2 ppm
							Chromium	2 ppm
							Cobalt	2 ppm
							Copper	2 ppm
							Manganese	2.25 ppm
							Nickel	2 ppm
							Silver	2 ppm
							Zinc	2.5 ppm
.MMSICSAB-1_00006	04/01/14	Inorganic Ventures, Lot F2-MEB415033			(Purchased Reagent)		Barium	10 ppm
							Beryllium	10 ppm
							Lead	10 ppm
							Sr	12.5 ppm
							Thallium	10 ppm
							Vanadium	10 ppm
.MMSICSAB-2_00005	04/01/14	Inorganic Ventures, Lot G2-MEB467043			(Purchased Reagent)		Antimony	10 ppm
							B	25 ppm
							Selenium	25 ppm
							Si	250 ppm
							Sn	50 ppm
MICSAX_00029	05/07/13	04/07/13	DI Water, Lot J38N82	100 mL	M6020ICS-0A_00003	10 mL	Aluminum	100 ppm
							Calcium	100 ppm
							Iron	100 ppm
							Magnesium	100 ppm
							Mo	2 ppm
							Potassium	100 ppm
							Sodium	100 ppm
							Ti	2 ppm
.M6020ICS-0A_00003	11/01/13	Inorganic Ventures, Lot F2-MEB418129			(Purchased Reagent)		Aluminum	1000 ppm
							Calcium	1000 ppm
							Iron	1000 ppm
							Magnesium	1000 ppm
							Mo	20 ppm
							Potassium	1000 ppm
							Sodium	1000 ppm

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ti	20 ppm
MICVX_00003	04/17/13	03/17/13	2% Nitric Acid, Lot K09N65	250 mg/L	MICPMSICV_00013	10 mg/L	Aluminum	0.4 mg/L
							Antimony	0.08 mg/L
							Arsenic	0.08 mg/L
							Barium	0.08 mg/L
							Beryllium	0.08 mg/L
							Cadmium	0.08 mg/L
							Calcium	40 mg/L
							Chromium	0.08 mg/L
							Cobalt	0.08 mg/L
							Copper	0.08 mg/L
							Iron	20 mg/L
							Lead	0.08 mg/L
							Magnesium	40 mg/L
							Manganese	0.4 mg/L
							Nickel	0.08 mg/L
							Potassium	40 mg/L
							Selenium	0.08 mg/L
							Silver	0.08 mg/L
							Sodium	40 mg/L
							Thallium	0.08 mg/L
							Vanadium	0.08 mg/L
							Zinc	0.08 mg/L
.MICPMSICV_00013	12/30/13	SPEX CertiPrep, Lot 17-147CR			(Purchased Reagent)		Aluminum	10 ppm
							Antimony	2 ppm
							Arsenic	2 ppm
							Barium	2 ppm
							Beryllium	2 ppm
							Cadmium	2 ppm
							Calcium	1000 ppm
							Chromium	2 ppm
							Cobalt	2 ppm
							Copper	2 ppm
							Iron	500 ppm
							Lead	2 ppm
							Magnesium	1000 ppm
							Manganese	10 ppm
							Nickel	2 ppm
							Potassium	1000 ppm
							Selenium	2 ppm
							Silver	2 ppm
							Sodium	1000 ppm
							Thallium	2 ppm
							Vanadium	2 ppm
							Zinc	2 ppm
MSTD2X_00019	05/01/13	04/01/13	DI Water, Lot K35N55	250 mL	MCALSPECAREV_00004	10 mg/L	Aluminum	1 ppm

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Arsenic	0.2 ppm
							Barium	0.2 ppm
							Beryllium	0.2 ppm
							Cadmium	0.2 ppm
							Calcium	100 ppm
							Chromium	0.2 ppm
							Cobalt	0.2 ppm
							Copper	0.2 ppm
							Iron	50 ppm
							Lead	0.2 ppm
							Magnesium	100 ppm
							Manganese	1 ppm
							Nickel	0.2 ppm
							Potassium	100 ppm
							Selenium	0.2 ppm
							Silver	0.2 ppm
							Sodium	100 ppm
							Thallium	0.2 ppm
							Vanadium	0.2 ppm
							Zinc	0.2 ppm
.MCALSPECAREV_00004	04/01/14	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Aluminum	25 ppm
							Arsenic	5 ppm
							Barium	5 ppm
							Beryllium	5 ppm
							Cadmium	5 ppm
							Calcium	2500 ppm
							Chromium	5 ppm
							Cobalt	5 ppm
							Copper	5 ppm
							Iron	1250 ppm
							Lead	5 ppm
							Magnesium	2500 ppm
							Manganese	25 ppm
							Nickel	5 ppm
							Potassium	2500 ppm
							Selenium	5 ppm
							Silver	5 ppm
							Sodium	2500 ppm
							Thallium	5 ppm
							Vanadium	5 ppm
							Zinc	5 ppm
MSTD3X_00020	05/01/13	04/01/13	2% Nitric Acid, Lot K35N55	250 mL	MCALSPECB_00005	10 mg/L	Antimony	0.2 ppm
.MCALSPECB_00005	04/01/14	Inorganic Ventures, Lot F2-MEB415032			(Purchased Reagent)		Antimony	5 ppm
MTAPITTICPMS_00011	02/01/14	INORGANIC VENTURES, Lot G2-MEB455121			(Purchased Reagent)		Aluminum	200 ug/mL
							Arsenic	4 ug/mL
							Barium	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Chromium	20 ug/mL
							Cobalt	50 ug/mL
							Copper	25 ug/mL
							Iron	100 ug/mL
							Lead	2 ug/mL
							Manganese	50 ug/mL
							Nickel	50 ug/mL
							Selenium	1 ug/mL
							Silver	5 ug/mL
							Thallium	5 ug/mL
							Vanadium	50 ug/mL
							Zinc	50 ug/mL
MTAPITTICPMS_00014	02/01/14		INORGANIC VENTURES, Lot E2-MEB379097		(Purchased Reagent)		Aluminum	200 ug/mL
							Arsenic	4 ug/mL
							B	100 ug/mL
							Barium	200 ug/mL
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Chromium	20 ug/mL
							Cobalt	50 ug/mL
							Copper	25 ug/mL
							Iron	100 ug/mL
							Lead	2 ug/mL
							Manganese	50 ug/mL
							Nickel	50 ug/mL
							Selenium	1 ug/mL
							Silver	5 ug/mL
							Sr	100 ug/mL
							Thallium	5 ug/mL
							Vanadium	50 ug/mL
							Zinc	50 ug/mL
MTAPITTMSA_00014	03/01/14		INORGANIC VENTURES, Lot G2-MEB458093		(Purchased Reagent)		Calcium	5000 ug/mL
							Magnesium	5000 ug/mL
							Potassium	5000 ug/mL
							Sodium	5000 ug/mL
MTAPITTMSC_00018	03/01/14		Inorganic Ventures, Lot G2-MEB458094		(Purchased Reagent)		Antimony	50 ug/mL
							Mo	100 ug/mL
							Si	1000 ug/mL
							SiO2	2140 ug/mL
							Sn	200 ug/mL
							Ti	100 ug/mL

HIGH-PURITY STANDARDS
www.highpuritystandards.com

P.O. Box 41727
Charleston, SC 29423
Phone (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

rec'd SG 8-24-12

Product Description:

Name:	Mercury	Source Material:	Mercury Metal
Part Number:	**10 33-1**	Material Purity:	99.9998%
Lot Number:	**1221902**	Matrix:	5% (v/v) HNO_3

Certified Value: 10.0 µg/mL ± 0.1 µg/mL

The Certified value is based on gravimetric and volumetric preparation, and confirmed against SRM 3133 (lot number 061204) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Preparation Information:

The standard solution is prepared using high purity materials and assayed by analytical methods for conformity prior to use. This standard was prepared using the methods developed at NIST for SRM Spectrometric Standard Solutions under appropriate laboratory conditions.

Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 mega ohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards:**
The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: August 6, 2012
Shipped Date: AUG 2 0 2012
Expiration Date: AUG 2 0 2013
Certificate Issue Date: August 7, 2012

Quality Information:

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

Certificate of Analysis

Rec. 3-18-13 DE

Product Description:

Name:	Mercury	Source Material:	Mercury Metal
Part Number:	**10 33-1**	Material Purity:	99.9998%
Lot Number:	**1306402**	Matrix:	5% (v/v) HNO_3

Certified Value: 10.0 µg/mL ± 0.1 µg/mL

The Certified value is based on gravimetric and volumetric preparation, and confirmed against SRM 3133 (lot number 061204) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Preparation Information:

The standard solution is prepared using high purity materials and assayed by analytical methods for conformity prior to use. This standard was prepared using the methods developed at NIST for SRM Spectrometric Standard Solutions under appropriate laboratory conditions.

Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 mega ohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
   The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
   The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.
b. **Volumetric Device**
   The calibration of volumetric vessels is checked annually using the NBS 602 method.
c. **Thermometer**
   The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.
d. **Calibration Standards:**
   The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date:	**March 5, 2013**
Shipped Date:	**March 14, 2013**
Expiration Date:	**March 14, 2013**
Certificate Issue Date:	**March 7, 2013**

Quality Information:

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

PLASMA-PURE ™

Standard Certificate

Catalog Number: 610-0000 **Lot Number:** 1287101

Starting Material: 99.9999% purity Hg metal **Diluent/Matrix:** 2% HCl

Preparation Date: Mar-13 **Expiration Date:** Mar-14

Element	Concentration
Hg	1.00 ± 0.02 µg/ml

Received 3/8/2013
ADS

Residual Impurities *	Concentration
None Detected	

* **Impurities were determined via ICP Emission Spectroscopy. Only elements detected are reported.**

Traceability

1. **This standard is certified using wet chemistry assay procedures and/or plasma emission spectroscopy, traceable to primary or well-characterized secondary standards. Traceable to:** NIST SRM 3133, Hg Lot#991304
2. **Analytical balances are routinely calibrated using NIST weight sets.**

Certification

Leeman Labs, Inc. certifies that PLASMA-PURE Standards have been formulated to the concentrations listed above (±0.5% of reported value). This certification does not apply and will be considered null and void if PLASMA-PURE Standards are used in a manner or in an environment not consistent with their intended purpose or are modified by the Customer in any manner.

Limitations

THE ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MECHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Limitation of Liability

In no event shall Leeman Labs, Inc. be liable for any indirect, incidental, special, or consequential damages, including loss of profits, revenue, or used incurred by Customer or any third party, whether in an action in contract or tort. Leeman Labs Inc's liability for damages hereunder shall in no event exceed the amounts paid for the PLASMA-PURE Standards.

QC Analyst:

Date: March 5, 2013

ISO 9001:2000 QUALITY

TELEDYNE *Leeman Labs*
A Teledyne Technologies Company
6 Wentworth Drive . Hudson, NH 03051
Tel: 603.886.8400 Fax: 603.886.9141

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Rec 31313

CERTIFICATE OF ANALYSIS

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fax: 540.585.3012
info@inorganicventures.com

765217

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **Custom Solution**

Catalog No.: TAPITT-CAL-SPECA-REV

Lot Number: **F2-MEB415031**

Matrix: 3% HNO3(v/v)

2,500 µg/mL ea:
Ca, K, Mg, Na,

1,250 µg/mL ea:
Fe,

25 µg/mL ea:
Al, Mn,

5 µg/mL ea:
Ag, As, Ba, Be, Cd, Co, Cr3, Cu, Ni,
Pb, Se, Sr, Tl, V, Zn

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	25.00 ± 0.18 µg/mL	Arsenic, As	5.000 ± 0.032 µg/mL	Barium, Ba	4.999 ± 0.036 µg/mL
Beryllium, Be	5.002 ± 0.036 µg/mL	Cadmium, Cd	5.000 ± 0.032 µg/mL	Calcium, Ca	2,500 ± 16 µg/mL
Chromium+3, Cr3	5.001 ± 0.032 µg/mL	Cobalt, Co	5.003 ± 0.032 µg/mL	Copper, Cu	5.001 ± 0.032 µg/mL
Iron, Fe	1,250 ± 8 µg/mL	Lead, Pb	5.002 ± 0.032 µg/mL	Magnesium, Mg	2,500 ± 16 µg/mL
Manganese, Mn	25.02 ± 0.15 µg/mL	Nickel, Ni	4.999 ± 0.028 µg/mL	Potassium, K	2,500 ± 16 µg/mL
Selenium, Se	5.002 ± 0.028 µg/mL	Silver, Ag	4.999 ± 0.032 µg/mL	Sodium, Na	2,500 ± 16 µg/mL
Strontium, Sr	5.001 ± 0.032 µg/mL	Thallium, Tl	5.002 ± 0.032 µg/mL	Vanadium, V	4.999 ± 0.032 µg/mL
Zinc, Zn	5.001 ± 0.028 µg/mL				

Certified Density: 1.051 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

$(\bar{x})$ = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$

2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212
Ag	Volhard	999b	999b
Al	ICP Assay	3101a	060502
Al	EDTA	928	928
As	Calculated		See Sec. 4.2
As	ICP Assay	3103a	010713
Ba	Gravimetric		See Sec. 4.2
Ba	ICP Assay	3104a	070222
Be	Calculated		See Sec. 4.2
Be	ICP Assay	3105a	892707
Ca	ICP Assay	3109a	050825
Ca	EDTA	928	928
Cd	ICP Assay	3108	060531
Cd	EDTA	928	928
Co	ICP Assay	3113	00630
Co	EDTA	928	928
Cr3	Calculated		See Sec. 4.2
Cr3	ICP Assay	3112a	030730
Cu	ICP Assay	3114	011017
Cu	EDTA	928	928
Fe	ICP Assay	3126a	051031
Fe	EDTA	928	928
K	Gravimetric		See Sec. 4.2
K	ICP Assay	3141a	051220
Mg	ICP Assay	3131a	050302
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	Gravimetric		See Sec. 4.2
Na	ICP Assay	3152a	010728
Ni	ICP Assay	3136	000612
Ni	EDTA	928	928
Pb	ICP Assay	3128	030721
Pb	EDTA	928	928
Se	Calculated		See Sec. 4.2
Se	ICP Assay	3149	992106
Sr	ICP Assay	3153a	990906
Sr	EDTA	928	928
Tl	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	993012
V	ICP Assay	3165	992706
V	EDTA	928	928
Zn	ICP Assay	3168a	080123
Zn	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- SAI Global File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Technical Process Director

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

REC: 31313

CERTIFICATE OF ANALYSIS

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fax: 540.585.3012
info@inorganicventures.com

765240

is an ISO Guide 34 "General Requirements for the
e Material Producers" and ISO 9001 registered
icturing laboratory is accredited to ISO/IEC 17025
or the Competence of Testing and Calibration

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

Custom Solution

TAPITT-CAL-SPECB

F2-MEB415032

3% HNO3(v/v), tr. HF

Sn, Ti

UNCERTAINTIES

	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
nL	Boron, B	5.000 ± 0.032 µg/mL	Molybdenum, Mo	5.002 ± 0.035 µg/mL
nL	Tin, Sn	5.002 ± 0.041 µg/mL	Titanium, Ti	5.002 ± 0.039 µg/mL

6 g/mL (measured at 20 ± 1° C)

alculation of the certified value and the uncertainty. Reported uncertainties represent expanded
the 95% confidence level using a coverage factor of k = 2.

$(\bar{x})$ = mean

x_i = individual results

n = number of measurements

2 = the coverage factor.

$[\Sigma(s_i)^2]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	Calculated		See Sec. 4.2
B	ICP Assay	3107	070514
Mo	Calculated		See Sec. 4.2
Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102A	061229
Si	Calculated		See Sec. 4.2
Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	070330
Ti	Calculated		See Sec. 4.2
Ti	ICP Assay	3162a	060808

4.2 **BALANCE CALIBRATION -** All analytical balances are calibrated yearly by an accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION -** All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION -** An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- SAI Global File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
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10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Technical Process Director

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

L635052

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 • 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 863.01 ACCREDITED Reference Material Producer Certificate 863.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Aluminum in 7% (v/v) HNO3**

Catalog Number:	CGAL10-1, CGAL10-2, and CGAL10-5
Lot Number:	**F2-AL04115**
Starting Material:	Al ingot
Starting Material Purity (%):	99.9991
Starting Material Lot No:	1629
Matrix:	7% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,041 ± 51 µg/mL - weighted mean

Certified Density: 1.089 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$ ($\bar{x}$) = mean
x_i = individual results
n = number of measurements

Uncertainty (±) = $2\,[\,\Sigma(s_i)^2\,]^{1/2}$ 2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **10,039 ± 31 µg/mL**
ICP Assay NIST SRM 3101a Lot Number: 060502

Assay Method #2 **10,043 ± 25 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

s	Al		M	Dy	< 0.036903	O	Li	0.000033	M	Pr	< 0.001845	M	Te	< 0.184517
M	Sb	< 0.003075	M	Er	< 0.030753	M	Lu	< 0.002460	M	Re	< 0.006151	M	Tb	< 0.001845
M	As	< 0.061506	M	Eu	< 0.018452	O	Mg	0.002764	M	Rh	< 0.006151	M	Tl	< 0.006151
M	Ba	< 0.061506	M	Gd	< 0.006151	O	Mn	0.000488	M	Rb	< 0.006151	M	Th	< 0.006151
O	Be	< 0.000170	M	Ga	< 0.006151	O	Hg	< 0.007000	M	Ru	< 0.012301	M	Tm	< 0.002460
M	Bi	0.006000	M	Ge	< 0.036903	M	Mo	< 0.012301	M	Sm	< 0.006151	M	Sn	< 0.030753
O	B	0.001626	M	Au	< 0.018452	M	Nd	< 0.012301	M	Sc	< 0.061506	O	Ti	0.006016
M	Cd	< 0.018452	M	Hf	< 0.012301	O	Ni	0.001301	M	Se	< 0.049205	M	W	< 0.061506
O	Ca	0.013495	M	Ho	< 0.003075	M	Nb	< 0.003075	O	Si	0.048777	M	U	< 0.012301
M	Ce	< 0.030753	M	In	< 0.061506	n	Os		M	Ag	< 0.012301	M	V	< 0.012301
M	Cs	< 0.001845	M	Ir	< 0.030753	M	Pd	< 0.030753	O	Na	0.022763	M	Yb	< 0.006151
O	Cr	< 0.001500	O	Fe	0.003252	O	P	< 0.030000	M	Sr	< 0.003075	M	Y	< 0.246023
M	Co	< 0.018452	M	La	< 0.003075	M	Pt	< 0.012301	O	S	< 0.100000	O	Zn	0.016259
M	Cu	< 0.036903	M	Pb	< 0.018452	O	K	0.019511	M	Ta	< 0.043054	M	Zr	< 0.030753

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4 °C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 26.98154; +3; 6;Al(H2O)6+3

Chemical Compatibility - Soluble in HCl, HNO3, HF and H2SO4. Avoid neutral media. Soluble in strongly basic NaOH forming the Al(OH)4(H2O)21- species. Stable with most metals and inorganic anions. The phosphate is insoluble in water and only slightly soluble in acid.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

Al Containing Samples (Preparation and Solution) - Metal (Best dissolved in HCl / HNO3); α- Al2O3 (Na2CO3 fusion in Pt0); γ- Al2O3 (Soluble in acids such as HCl) ; Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (sulfuric/peroxide digestion or nitric / sulfuric / perchloric acid decomposition, or dry ash and dissolution in dilute HCl.

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES394.401 nm	0.05 / 0.006 µg/mL	1	atom	U, Ce
ICP-OES396.152 nm	0.03 / 0.006 µg/mL	1	atom	Mo, Zr, Ce
ICP-OES167.078 nm	0.1 / 0.009 µg/mL	1	ion	Fe
ICP-MS27 amu	30 ppt	n/a	M+	12C15N, 13C14N, 1H12C14N, 11B16O, 54Cr2+, 54Fe2+

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: June 27, 2012

Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Stephan Blaakman Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

635056

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Barium in 0.1% (v/v) HNO3**

Catalog Number:	CGBA1-1, CGBA1-2, and CGBA1-5
Lot Number:	**E2-BA02066**
Starting Material:	Ba(NO3)2
Starting Material Purity (%):	99.9998
Starting Material Lot No:	1514_1599
Matrix:	0.1% (v/v) HNO3

Received 11/12/12 JR

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 997 ± 6 µg/mL - weighted mean

Certified Density: 1.000 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **997 ± 4 µg/mL**
ICP Assay NIST SRM 3104a Lot Number: 070222

Assay Method #2 **996 ± 3 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.000900	M Dy < 0.012010	O Li < 0.004000	M Pr < 0.000601	M Te < 0.060052
M Sb < 0.001001	M Er < 0.010009	M Lu < 0.000801	M Re < 0.002002	O Tb < 0.003900
M As < 0.020017	O Eu < 0.000400	O Mg 0.000130	M Rh < 0.002002	M Tl < 0.002002
s Ba	O Gd < 0.000520	M Mn < 0.008007	M Rb < 0.002002	M Th < 0.002002
M Be < 0.001001	M Ga < 0.002002	O Hg < 0.012000	M Ru < 0.004003	M Tm < 0.000801
M Bi < 0.000801	M Ge < 0.012010	M Mo < 0.004003	O Sm < 0.000710	M Sn < 0.010009
M B < 0.140121	M Au < 0.006005	O Nd < 0.001400	M Sc < 0.020017	M Ti < 0.100087
M Cd < 0.006005	M Hf < 0.004003	O Ni < 0.000900	M Se < 0.016014	M W < 0.020017
O Ca 0.000999	M Ho < 0.001001	M Nb < 0.001001	O Si < 0.003400	M U < 0.004003
M Ce < 0.010009	M In < 0.020017	n Os	M Ag < 0.004003	M V < 0.004003
M Cs < 0.000601	M Ir < 0.010009	M Pd < 0.010009	O Na < 0.010000	M Yb < 0.002002
M Cr < 0.010009	O Fe 0.001149	O P < 0.002600	O Sr 0.001449	O Y < 0.001000
M Co < 0.006005	O La < 0.000200	M Pt < 0.004003	O S < 0.025000	O Zn < 0.000390
M Cu < 0.012010	M Pb < 0.006005	O K < 0.001800	O Ta < 0.006900	M Zr < 0.010009

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 137.33; +2; 6; $Ba(H_2O)_6^{+2}$

Chemical Compatibility - Soluble in HCl, and HNO_3. Avoid H_2SO_4, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate, iodate, molybdate, sulfite and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1 -10,000 ppm solutions chemically stable for years in 1-3.5% HNO_3 / LDPE container.

Ba Containing Samples (Preparation and Solution) - Metal(is best dissolved in diluted HNO_3); Ores(Carbonate fusion in Pt0 followed by HCl dissolution. If sulfate is present dissolve the fuseate using HCl / tartaric acid to prevent $BaSO_4$ precipitate); Organic Matrices (dry ash and dissolve in dilute HCl.)

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 455.403 nm	0.002 / 0.0001 µg/mL	1	ion	Zr, U
ICP-OES 233.527 nm	0.004 / 0.0003 µg/mL	1	ion	
ICP-OES 230.424 nm	0.004 / 0.0005 µg/mL	1	ion	Mo, Ir, Co
ICP-MS 138 amu	1 ppt	n/a	M+	122Sn16O, 122Te16O

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

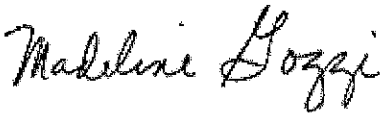
11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: October 31, 2011

Expiration Date: EXPIRES 01 Dec 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Madeline Gozzi Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

#424659

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 • 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 863.01 — ACCREDITED Reference Material Producer Certificate 863.02

Received 5/24/12 RJR

2.0 DESCRIPTION OF CRM **10000 µg/mL Calcium in 2% (v/v) HNO3**

Catalog Number:	CGCA10-1, CGCA10-2, and CGCA10-5
Lot Number:	**F2-CA04043**
Starting Material:	CaO
Starting Material Purity (%):	99.9980
Starting Material Lot No:	1635
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,025 ± 56 µg/mL - weighted mean

Certified Density: 1.039 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty (±) = $2 [\Sigma(s_i)^2]^{½}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{½}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **10,026 ± 41 µg/mL**
ICP Assay NIST SRM 3109a Lot Number: 050825

Assay Method #2 **10,022 ± 25 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	< 0.000900	M	Dy	< 0.044386	O	Li	< 0.000024	M	Pr	< 0.002219	M	Te	< 0.221932
M	Sb	< 0.003699	M	Er	< 0.036989	M	Lu	< 0.002959	M	Re	< 0.007398	M	Tb	< 0.002219
M	As	< 0.073977	M	Eu	< 0.022193	O	Mg	0.047315	M	Rh	< 0.007398	M	Tl	< 0.007398
O	Ba	0.004732	M	Gd	< 0.007398	O	Mn	< 0.000300	M	Rb	< 0.007398	M	Th	< 0.007398
O	Be	< 0.000085	M	Ga	< 0.007398	O	Hg	< 0.011000	M	Ru	< 0.014795	M	Tm	< 0.002959
M	Bi	< 0.002959	M	Ge	< 0.044386	M	Mo	< 0.014795	M	Sm	< 0.007398	M	Sn	< 0.036989
O	B	< 0.000540	M	Au	< 0.022193	M	Nd	< 0.014795	O	Sc	< 0.000020	O	Ti	< 0.005000
O	Cd	< 0.004500	M	Hf	< 0.014795	O	Ni	< 0.002300	O	Se	< 0.006200	M	W	< 0.073977
s	Ca		M	Ho	< 0.003699	M	Nb	< 0.003699	O	Si	0.013519	M	U	< 0.014795
M	Ce	< 0.036989	O	In	< 0.002000	n	Os		M	Ag	< 0.014795	O	V	< 0.000900
M	Cs	< 0.002219	M	Ir	< 0.036989	M	Pd	< 0.036989	O	Na	0.021630	M	Yb	< 0.007398
O	Cr	< 0.000800	O	Fe	< 0.001100	O	P	< 0.004800	O	Sr	0.189261	M	Y	< 0.295910
O	Co	< 0.001200	M	La	< 0.003699	M	Pt	< 0.014795	O	S	0.108149	O	Zn	< 0.000190
O	Cu	< 0.004000	M	Pb	< 0.022193	O	K	0.008111	M	Ta	< 0.051784	M	Zr	< 0.036989

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 40.078; +2; 6; Ca(H2O)6+2

Chemical Compatibility - Soluble in HCl and HNO3. Avoid H2SO4, HF, H3PO4 and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-10% HNO3 / LDPE container.

Ca Containing Samples (Preparation and Solution) - Metal (best dissolved in diluted HNO3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (dry ash and dissolution in dilute HCl. Do not heat when dissolving to avoid precipitation of SiO2) .The oxide, hydroxide, carbonate, phosphate, and fluoride of calcium are soluble in % levels of HCl or HNO3. The sulfates (gypsum, anhydrite, etc.), certain silicates and complex compounds require fusion with Na2CO3 followed by HCl / water dissolution. Contamination is a very real problem when analyzing for trace levels.

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 393.366 nm	0.0002 / 0.00004 µg/mL	1	ion	U, Ce
ICP-OES 396.847 nm	0.0005 / 0.00006 µg/mL	1	ion	Th
ICP-OES 422.673 nm	0.01 / 0.001 µg/mL	1	atom	Ge
ICP-MS 44 amu	1200 ppt	n/a	M+	16O212C, 28Si16O, 88Sr

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

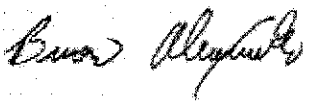
11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 12, 2012

Expiration Date:

EXPIRES
01/2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Chromium (+3) in 2% (v/v) HNO3**

Catalog Number:	CGCR(3)1-1, CGCR(3)1-2, and CGCR(3)1-5
Lot Number:	**E2-CR03060**
Starting Material:	Cr pieces
Starting Material Purity (%):	99.9958
Starting Material Lot No:	1604
Matrix:	2% (v/v) HNO3

received 11/20/12 JR

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 998 ± 5 µg/mL - weighted mean

Certified Density: 1.011 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$ Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	**Assay Method #1**	**997 ± 3 µg/mL** ICP Assay NIST SRM 3112a Lot Number: 030730
	Assay Method #2	**998 ± 3 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	0.001480	M	Dy < 0.032554	O	Li < 0.000020	M	Pr < 0.001628	M	Te < 0.162771
M	Sb < 0.002713		M	Er < 0.027128	M	Lu < 0.002170	M	Re < 0.005426	M	Tb < 0.001628
M	As < 0.054257		M	Eu < 0.016277	O	Mg < 0.000300	M	Rh < 0.005426	M	Tl < 0.005426
M	Ba < 0.054257		M	Gd < 0.005426	M	Mn < 0.021703	M	Rb < 0.005426	M	Th < 0.005426
M	Be < 0.002713		M	Ga < 0.005426	O	Hg < 0.015000	M	Ru < 0.010851	M	Tm < 0.002170
M	Bi < 0.002170		M	Ge < 0.032554	M	Mo < 0.010851	M	Sm < 0.005426	M	Sn < 0.027128
O	B < 0.010000		M	Au < 0.016277	M	Nd < 0.010851	M	Sc < 0.054257	O	Ti < 0.001000
M	Cd < 0.016277		M	Hf < 0.010851	O	Ni < 0.020000	M	Se < 0.043406	M	W < 0.054257
O	Ca	0.003885	M	Ho < 0.002713	M	Nb < 0.002713	O	Si < 0.200000	M	U < 0.010851
M	Ce < 0.027128		M	In < 0.054257	n	Os	M	Ag < 0.010851	O	V < 0.020000
M	Cs < 0.001628		M	Ir < 0.027128	M	Pd < 0.027128	O	Na 0.004625	M	Yb < 0.005426
s	Cr		O	Fe 0.022572	O	P < 0.040000	M	Sr < 0.002713	M	Y < 0.217028
M	Co < 0.016277		M	La < 0.002713	M	Pt < 0.010851	i	S	O	Zn < 0.004000
M	Cu	0.006023	M	Pb < 0.016277	O	K 0.004070	M	Ta < 0.037980	M	Zr < 0.027128

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 51.9961; +3; 6; $Cr(H_2O)_6^{3+}$

Chemical Compatibility - Stable in HCl, HNO_3, H_2SO_4, HF, H_3PO_4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO_3 / LDPE container.

Cr Containing Samples (Preparation and Solution) - Metal (soluble in HCl); Oxides/Ores (Chrome ore/oxides are very difficult to dissolve. The following procedures [A-D] are commonly used:

A. Fusion with $KHSO_4$ and extraction with hot KCl. The residue fused with Na_2CO_3 and $KClO_3$, 3:1.
B. Fusion with $NaKSO_4$ and NaF, 2:1.
C. Fusion with magnesia or lime and sodium or potassium carbonates, 4:1.
D. Fusion with Na_2O_2 or NaOH and KNO_3 or NaOH and Na_2O_2.

Nickel, iron, copper, or silver crucibles should be used for **D**. Platinum may be used for **A, B and C**);
Organic Matrices (Ash at 450EC followed by one of the fusion methods above or sulfuric/hydrogen peroxide acid digestions may be applicable to non oxide containing samples) .

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 205.552 nm	0.006 / 0.0008 µg/mL	1	ion	Os
ICP-OES 284.325 nm	0.008 / 0.0007 µg/mL	1	ion	
ICP-OES 276.654 nm	0.01 / 0.001 µg/mL	1	ion	Cu, Ta, V
ICP-MS 52 amu	40 ppt	n/a	M+	36S16O, 36Ar16O - The 50Cr, 53Cr, 54Cr lines suffer from many more potential interferences from sulfur, chlorine and argon compounds of oxygen, nitrogen and carbon.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

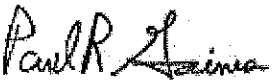
11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 13, 2012
Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Copper in 3% (v/v) HNO3**

Catalog Number:	CGCU1-1, CGCU1-2, and CGCU1-5
Lot Number:	**E2-CU02130**
Starting Material:	Cu shot
Starting Material Purity (%):	100.0000
Starting Material Lot No:	1612
Matrix:	3% (v/v) HNO3

Received 11/12/12 JR

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,002 ± 5 µg/mL - weighted mean

Certified Density: 1.016 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	**Assay Method #1**	**1,001 ± 3 µg/mL** ICP Assay NIST SRM 3114 Lot Number: 011017
	Assay Method #2	**1,003 ± 3 µg/mL** EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.000900	M Dy < 0.059973	O Li < 0.000020	M Pr < 0.002999	M Te < 0.299865
M Sb < 0.004998	M Er < 0.049978	M Lu < 0.003998	M Re < 0.009996	M Tb < 0.002999
M As < 0.099955	M Eu < 0.029987	O Mg < 0.000030	M Rh < 0.009996	M Tl < 0.009996
M Ba < 0.099955	M Gd < 0.009996	O Mn < 0.000200	M Rb < 0.009996	M Th < 0.009996
M Be < 0.004998	M Ga < 0.009996	O Hg < 0.015000	M Ru < 0.019991	M Tm < 0.003998
M Bi < 0.003998	M Ge < 0.059973	M Mo < 0.019991	M Sm < 0.009996	O Sn < 0.004000
M B < 0.699685	M Au < 0.029987	M Nd < 0.019991	M Sc < 0.099955	M Ti < 0.499775
M Cd < 0.029987	M Hf < 0.019991	O Ni < 0.003000	M Se < 0.079964	M W < 0.099955
O Ca 0.000040	M Ho < 0.004998	M Nb < 0.004998	O Si < 0.003400	M U < 0.019991
M Ce < 0.049978	M In < 0.099955	n Os	M Ag < 0.019991	O V < 0.003000
M Cs < 0.002999	M Ir < 0.049978	M Pd < 0.049978	O Na 0.000060	M Yb < 0.009996
M Cr < 0.049978	O Fe < 0.001100	O P < 0.002600	M Sr < 0.004998	M Y < 0.399820
M Co < 0.029987	M La < 0.004998	M Pt < 0.019991	n S	O Zn < 0.010000
s Cu	O Pb < 0.010000	O K < 0.001800	M Ta < 0.069969	M Zr < 0.049978

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 63.546; +2; 6; $Cu(H_2O)_6^{2+}$

Chemical Compatibility - Stable in HCl, HNO_3, H_2SO_4, HF, H_3PO_4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO_3 / LDPE container.

Cu Containing Samples (Preparation and Solution) - Metal (soluble in HNO_3); Oxides (Soluble in HCl); Ores (Dissolve in HCl / HNO_3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 324.754 nm	0.06/.001 µg/mL		atom	Nb, U, Th, Mo, Hf
ICP-OES 224.700 nm	0.01/.001µg/mL	1	ion	Pb, Ir, Ni, W
ICP-OES 219.958 nm	0.01/.002 µg/mL	1	atom	Th, Ta, Nb, U, Hf
ICP-MS 63 amu	10 ppt	n/a	M+	40Ar23Na 47Ti16O, 14N12C37Cl, 16O12C35Cl, 23Na40Ca

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: November 18, 2011

Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

#424660

INORGANIC VENTURES™

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Christiansburg, VA 24073 • USA
inorganicventures.com

tel: 800.669.6799 • 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 663.01

ACCREDITED Reference Material Producer Certificate 663.02

Ron Rowland
RECEIVED
5/29/12

2.0 DESCRIPTION OF CRM **10000 µg/mL Iron in 5% (v/v) HNO3**

Catalog Number:	CGFE10-1, CGFE10-2, and CGFE10-5
Lot Number:	**E2-FE03145**
Starting Material:	Fe powder
Starting Material Purity (%):	99.9983
Starting Material Lot No:	1618
Matrix:	5% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,032 ± 54 µg/mL - weighted mean

Certified Density: 1.053 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **10,023 ± 38 µg/mL**
ICP Assay NIST SRM 3126a Lot Number: 051031

Assay Method #2 **10,052 ± 25 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.002700	M Dy < 0.039911	O Li < 0.000030	M Pr < 0.001996	M Te < 0.199556
M Sb < 0.003326	M Er < 0.033259	M Lu < 0.002661	M Re < 0.006652	M Tb < 0.001996
M As < 0.066519	M Eu < 0.019956	O Mg < 0.000060	M Rh < 0.006652	M Tl < 0.006652
O Ba < 0.000100	M Gd < 0.006652	O Mn 0.054322	M Rb < 0.006652	M Th < 0.006652
O Be < 0.000050	M Ga < 0.006652	O Hg < 0.011000	M Ru < 0.013304	M Tm < 0.002661
M Bi < 0.002661	i Ge	M Mo < 0.013304	M Sm < 0.006652	M Sn < 0.033259
O B < 0.020000	M Au < 0.019956	M Nd < 0.013304	M Sc < 0.066519	M Ti < 0.332594
M Cd < 0.019956	M Hf < 0.013304	O Ni 0.055831	M Se < 0.053215	M W < 0.066519
O Ca 0.004527	M Ho < 0.003326	M Nb < 0.003326	O Si < 0.010000	M U < 0.013304
M Ce < 0.033259	M In < 0.066519	n Os	M Ag < 0.013304	M V < 0.013304
M Cs < 0.001996	M Ir < 0.033259	M Pd < 0.033259	O Na 0.004678	M Yb < 0.006652
M Cr < 0.033259	s Fe	i P	M Sr < 0.003326	M Y < 0.266075
O Co 0.057340	M La < 0.003326	M Pt < 0.013304	i S	M Zn < 0.133038
M Cu < 0.039911	M Pb < 0.019956	O K < 0.001700	M Ta < 0.046563	M Zr < 0.033259

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 55.847; +3; 6; $Fe(H_2O)_6^{3+}$

Chemical Compatibility - Stable in HCl, HNO_3, H_2SO_4 ,HF and H_3PO_4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO_3 / LDPE container.

Fe Containing Samples (Preparation and Solution) - Metal (Soluble in HCl); Oxides (If the oxide has been at a high temperature then Na_2CO_3 fusion in Pt0 followed by HCl dissolution otherwise dissolve in dilute HCl); Ores (See Oxides above using only the fusion approach).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 238.204 nm	0.005 / 0.001 µg/mL	1	ion	Ru, Co
ICP-OES 239.562 nm	0.005 / 0.001 µg/mL	1	ion	Co, W, Cr
ICP-OES 259.940 nm	0.006 / 0.001 µg/mL	1	ion	Hf, Nb
ICP-MS 56 amu	970 ppt	n/a	M+	40Ar15N1H, 40Ar16O, 36Ar17O1H , 38Ar18O, 37Cl18O1H, 40Ca16O

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

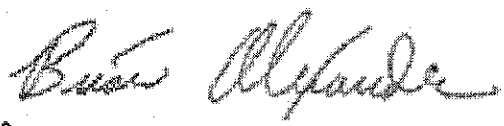
11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 16, 2012
Expiration Date:

EXPIRES
01/2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **10000 µg/mL Potassium in 2% (v/v) HNO3**

Catalog Number:	CGK10-1, CGK10-2, and CGK10-5
Lot Number:	**F2-K03029**
Starting Material:	KNO3
Starting Material Purity (%):	99.9981
Starting Material Lot No:	B19P01
Matrix:	2% (v/v) HNO3

Received 4/17/12

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 9,979 ± 55 µg/mL - weighted mean

Certified Density: 1.024 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **9,981 ± 40 µg/mL**
ICP Assay NIST SRM 3141a Lot Number: 051220

Assay Method #2 **9,971 ± 18 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	< 0.000900	M	Dy	< 0.037817	O	Li	0.000065	M	Pr	< 0.001891	M	Te	< 0.189084
M	Sb	< 0.003151	M	Er	< 0.031514	M	Lu	< 0.002521	M	Re	< 0.006303	M	Tb	< 0.001891
M	As	< 0.063028	M	Eu	< 0.018908	O	Mg	0.001032	M	Rh	< 0.006303	M	Tl	< 0.006303
O	Ba	0.000055	M	Gd	< 0.006303	O	Mn	0.000161	M	Rb	0.416797	M	Th	< 0.006303
O	Be	< 0.000200	M	Ga	< 0.006303	O	Hg	< 0.015000	M	Ru	< 0.012606	M	Tm	< 0.002521
M	Bi	< 0.002521	O	Ge	< 0.001500	M	Mo	< 0.012606	M	Sm	< 0.006303	M	Sn	< 0.031514
O	B	< 0.000600	O	Au	< 0.003000	M	Nd	< 0.012606	O	Sc	< 0.000100	O	Ti	< 0.000700
M	Cd	< 0.018908	M	Hf	< 0.012606	O	Ni	0.000806	O	Se	< 0.050000	M	W	< 0.063028
O	Ca	0.003548	M	Ho	< 0.003151	M	Nb	< 0.003151	O	Si	< 0.003400	M	U	< 0.012606
M	Ce	< 0.031514	M	In	< 0.063028	n	Os		M	Ag	< 0.012606	O	V	< 0.000900
M	Cs	< 0.001891	M	Ir	< 0.031514	M	Pd	< 0.031514	O	Na	0.051613	M	Yb	< 0.006303
M	Cr	< 0.031514	O	Fe	0.000500	O	P	< 0.002500	M	Sr	< 0.003151	M	Y	< 0.252111
M	Co	< 0.018908	M	La	< 0.003151	M	Pt	< 0.012606	O	S	< 0.072000	O	Zn	0.000403
M	Cu	< 0.037817	M	Pb	< 0.018908	s	K		M	Ta	< 0.044119	M	Zr	< 0.031514

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 39.0983; +1; (6); K+(aq)
(Coordination Number in parentheses is assumed, not certain.)

Chemical Compatibility - Soluble in HCl, HNO3, H2SO4 and HF aqueous matrices. Avoid use of HClO4 due to insolubility of the perchlorate. Stable with all metals and inorganic anions except ClO4-.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

K Containing Samples (Preparation and Solution) - Metal (Dissolves very rapidly in water); Ores (Sodium carbonate fusion in Pt0 followed by HCl dissolution-blank levels of K in sodium carbonate critical); Organic Matrices (Sulfuric/peroxide digestion)

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 766.490 nm	0.4 / 0.001 µg/mL	1	atom	2nd order radiation from R.E.s on some optical designs
ICP-OES 771.531 nm	1.0 / 0.03 µg/mL	1	atom	2nd order radiation from R.E.s on some optical designs
ICP-OES 404.721 nm	1.1 / 0.05 µg/mL	1	atom	U, Ce,
ICP-MS 39 amu	10 ppt	n/a	M+	38ArH, 23Na16O, 78Se

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 29, 2012
Expiration Date:

EXPIRES
01-2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

6235055

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Magnesium in 2% (v/v) HNO3**

Catalog Number:	CGMG10-1, CGMG10-2, and CGMG10-5
Lot Number:	**E2-MG03106**
Starting Material:	Mg metal
Starting Material Purity (%):	99.9998
Starting Material Lot No:	1484
Matrix:	2% (v/v) HNO3

Received 11/12/12 JR

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,000 ± 54 µg/mL - weighted mean

Certified Density: 1.053 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	Assay Method #1	**9,999 ± 38 µg/mL** ICP Assay NIST SRM 3131a Lot Number: 050302
	Assay Method #2	**10,001 ± 26 µg/mL** EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.000600	M Dy < 0.022339	O Li 0.011947	M Pr < 0.001117	M Te < 0.111693
M Sb < 0.001862	M Er < 0.018615	M Lu < 0.001489	M Re < 0.003723	M Tb < 0.001117
M As < 0.037231	M Eu < 0.011169	s Mg	M Rh < 0.003723	M Tl < 0.003723
M Ba < 0.037231	M Gd < 0.003723	O Mn < 0.000024	M Rb < 0.003723	M Th < 0.003723
O Be < 0.000170	M Ga < 0.003723	O Hg < 0.009000	M Ru < 0.007446	M Tm < 0.001489
M Bi < 0.001489	M Ge < 0.022339	M Mo < 0.007446	M Sm < 0.003723	M Sn < 0.018615
O B < 0.003000	M Au < 0.011169	M Nd < 0.007446	M Sc < 0.037231	O Ti < 0.001100
M Cd < 0.011169	M Hf < 0.007446	O Ni < 0.002700	M Se < 0.029785	M W < 0.037231
O Ca 0.003982	M Ho < 0.001862	M Nb < 0.001862	O Si < 0.006000	M U < 0.007446
M Ce < 0.018615	M In < 0.037231	n Os	M Ag < 0.007446	M V < 0.007446
M Cs < 0.001117	M Ir < 0.018615	M Pd < 0.018615	O Na 0.011947	M Yb < 0.003723
O Cr < 0.000300	O Fe < 0.001600	O P < 0.016000	M Sr < 0.001862	M Y < 0.148924
M Co < 0.011169	M La < 0.001862	M Pt < 0.007446	n S	O Zn < 0.000900
O Cu < 0.004000	M Pb 0.004942	O K < 0.050000	M Ta < 0.026062	M Zr < 0.018615

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 24.305; +2; 6; $Mg(H_2O)_6^{+2}$

Chemical Compatibility - Soluble in HCl, HNO_3, and H_2SO_4 avoid HF, H_3PO_4 and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicates, carbonates, hydroxides, oxides, and tungstates in neutral and slightly acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-10% HNO_3 / LDPE container.

Mg Containing Samples (Preparation and Solution) - Metal (Best dissolved in diluted HNO_3); Oxide (Readily soluble in above compatible aqueous acidic solutions); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Sulfuric / peroxide digestion or nitric / sulfuric / perchloric acid decomposition, or dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 279.553 nm	0.0002 / 0.00003 µg/mL	1	ion	Th
ICP-OES 280.270 nm	0.0003 / 0.00005 µg/mL	1	ion	U, V
ICP-OES 285.213 nm	0.002 / 0.00003 µg/mL	1	atom	U, Hf, Cr, Zr
ICP-MS 24 amu	42 ppt	n/a	M+	$^{7}Li^{17}O$, $^{48}Ti^{+2}$, $^{48}Ca^{+2}$

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

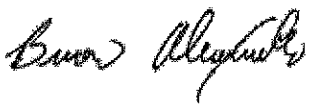
11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: November 30, 2011

Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Manganese in 3% (v/v) HNO3**

Catalog Number:	CGMN1-1, CGMN1-2, and CGMN1-5
Lot Number:	**E2-MN02093**
Starting Material:	Mn pieces
Starting Material Purity (%):	99.9940
Starting Material Lot No:	1573
Matrix:	3% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 999 ± 5 µg/mL - weighted mean

Certified Density: 1.017 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **998 ± 3 µg/mL**
ICP Assay NIST SRM 3132 Lot Number: 050429

Assay Method #2 **1,000 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	0.000806	M	Dy	< 0.049987	O	Li	< 0.000020	M	Pr	< 0.002499	M	Te	< 0.249933
M	Sb	< 0.004166	M	Er	< 0.041656	M	Lu	< 0.003332	M	Re	< 0.008331	M	Tb	< 0.002499
M	As	< 0.083311	M	Eu	< 0.024993	O	Mg	0.041735	M	Rh	< 0.008331	M	Tl	< 0.008331
M	Ba	< 0.083311	M	Gd	< 0.008331	s	Mn		M	Rb	< 0.008331	M	Th	< 0.008331
M	Be	< 0.004166	O	Ga	< 0.050000	i	Hg		M	Ru	< 0.016662	M	Tm	< 0.003332
M	Bi	< 0.003332	O	Ge	< 0.003000	M	Mo	< 0.016662	M	Sm	< 0.008331	M	Sn	< 0.041656
O	B	0.002646	M	Au	< 0.024993	M	Nd	< 0.016662	M	Sc	< 0.083311	O	Ti	< 0.002000
M	Cd	< 0.024993	M	Hf	< 0.016662	M	Ni	< 0.066649	M	Se	< 0.066649	M	W	< 0.083311
O	Ca	0.003247	M	Ho	< 0.004166	M	Nb	< 0.004166	O	Si	< 0.050000	M	U	< 0.016662
M	Ce	< 0.041656	M	In	< 0.083311	n	Os		M	Ag	< 0.016662	M	V	< 0.016662
M	Cs	< 0.002499	M	Ir	< 0.041656	M	Pd	< 0.041656	O	Na	0.006375	M	Yb	< 0.008331
M	Cr	0.004208	O	Fe	< 0.010000	i	P		M	Sr	< 0.004166	M	Y	< 0.333244
M	Co	0.001804	M	La	< 0.004166	M	Pt	< 0.016662	i	S		O	Zn	< 0.000600
M	Cu	< 0.049987	M	Pb	< 0.024993	O	K	0.000842	M	Ta	< 0.058318	M	Zr	< 0.041656

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of “working reference samples”
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.
Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 54.9380; +2; **6**; Mn(H2O)62+
Chemical Compatibility - Stable in HCl, HNO3, H2SO4 ,HF, H3PO4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.
Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5 % HNO3/LDPE container.
Mn Containing Samples (Preparation and Solution) - Metal (Soluble in dilute acids); Oxides (Soluble in dilute acids); Ores (Dissolve with HCl. If silica is present add HF and then fume off silica by adding H2SO4 and heat to SO3 fumes - dense white fumes).
Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 257.610 nm	0.0014 / 0.00002 µg/mL	1	ion	Ce, W, Re
ICP-OES 259.373 nm	0.0016 / 0.00002 µg/mL	1	ion	U, Ta, Mo, Fe, Nb
ICP-OES 260.569 nm	0.0021 / 0.00002 µg/mL	1	ion	Co
ICP-MS 55 amu	10 ppt	n/a	M+	40Ar14N1H, 39K16O, 37Cl18O, 40Ar15N, 38Ar17O, 36Ar18O1H , 38Ar16O1H, 37Cl17O1H, 23Na32S

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 03, 2012
Expiration Date:

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Sodium in 2% (v/v) HNO3**

Catalog Number:	CGNA10-1, CGNA10-2, and CGNA10-5
Lot Number:	**E2-NA03095**
Starting Material:	Na2CO3
Starting Material Purity (%):	99.9994
Starting Material Lot No:	C18157
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 9,986 ± 55 µg/mL - weighted mean

Certified Density: 1.033 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **9,983 ± 39 µg/mL**
ICP Assay NIST SRM 3152a Lot Number: 010728

Assay Method #2 **9,998 ± 18 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	0.002434	M	Dy	< 0.051831	O	Li	< 0.000030	M	Pr	< 0.002592	M	Te	< 0.259157
M	Sb	< 0.004319	M	Er	< 0.043193	M	Lu	< 0.003455	M	Re	< 0.008639	M	Tb	< 0.002592
M	As	< 0.086386	M	Eu	< 0.025916	O	Mg	0.003361	M	Rh	< 0.008639	M	Tl	< 0.008639
O	Ba	0.001043	M	Gd	< 0.008639	O	Mn	< 0.000030	M	Rb	< 0.008639	M	Th	< 0.008639
O	Be	< 0.000200	M	Ga	< 0.008639	O	Hg	< 0.015000	M	Ru	< 0.017277	M	Tm	< 0.003455
M	Bi	< 0.003455	O	Ge	< 0.001500	M	Mo	< 0.017277	M	Sm	< 0.008639	M	Sn	< 0.043193
O	B	< 0.000600	M	Au	< 0.025916	M	Nd	< 0.017277	O	Sc	< 0.000020	O	Ti	< 0.000700
M	Cd	< 0.025916	M	Hf	< 0.017277	O	Ni	< 0.002300	O	Se	< 0.050000	M	W	< 0.086386
O	Ca	0.026656	M	Ho	< 0.004319	M	Nb	< 0.004319	O	Si	0.008113	M	U	< 0.017277
M	Ce	< 0.043193	M	In	< 0.086386	n	Os		M	Ag	< 0.017277	O	V	< 0.000900
M	Cs	< 0.002592	M	Ir	< 0.043193	M	Pd	< 0.043193	S	Na		M	Yb	< 0.008639
M	Cr	< 0.043193	O	Fe	< 0.001100	O	P	< 0.040000	O	Sr	0.000174	M	Y	< 0.345543
M	Co	< 0.025916	M	La	< 0.004319	M	Pt	< 0.017277	O	S	< 0.072000	O	Zn	0.000116
O	Cu	< 0.001400	M	Pb	< 0.025916	O	K	0.023179	M	Ta	< 0.060470	M	Zr	< 0.043193

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of “working reference samples”
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 22.98977; +1; (6); Na+(aq) largely ionic in nature (Coordination Number in parentheses is assumed, not certain.)

Chemical Compatibility - Soluble in HCl, HNO3, H2SO4 and HF aqueous matrices. Stable with all metals and inorganic anions.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

Na Containing Samples (Preparation and Solution) - Metal (Dissolves very rapidly in water); Ores (Lithium carbonate fusion in graphite crucible followed by HCl dissolution - blank levels of Na in lithium carbonate critical); Organic Matrices (Sulfuric / peroxide digestion or nitric/sulfuric/perchloric acid decomposition).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 589.595 nm	0.07 / 0.00009 µg/mL	1	atom	2nd order radiation from R.E.s on some optical designs
ICP-OES 588.995 nm	0.03 / 0.006 µg/mL	1	atom	2nd order radiation from R.E.s on some optical designs
ICP-OES 330.237 nm	2.0 / 0.09 µg/mL	1	atom	Pd, Zn
ICP-MS 23 amu	310 ppt	n/a	M+	46Ti+2 , 46Ca+2

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: December 12, 2011

Expiration Date:

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

INORGANIC VENTURES™
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CERTIFICATE OF ANALYSIS

tel: 800.669.6799 • 540.585.3030
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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Nickel in 2% (v/v) HNO3**

Catalog Number:	CGNI1-1, CGNI1-2, and CGNI1-5
Lot Number:	**E2-NI02074**
Starting Material:	Ni pieces
Starting Material Purity (%):	99.9998
Starting Material Lot No:	1559
Matrix:	2% (v/v) HNO3

Received 11/12/12 JR

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,003 ± 5 µg/mL - weighted mean

Certified Density: 1.011 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	**Assay Method #1**	**1,002 ± 3 µg/mL** ICP Assay NIST SRM 3136 Lot Number: 000612
	Assay Method #2	**1,003 ± 3 µg/mL** EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	< 0.003000	M	Dy	< 0.070404	O	Li	< 0.000020	M	Pr	< 0.003520	M	Te	< 0.352022
M	Sb	< 0.005867	M	Er	< 0.058670	M	Lu	< 0.004694	M	Re	< 0.011734	M	Tb	< 0.003520
O	As	< 0.005400	M	Eu	< 0.035202	O	Mg	0.000033	M	Rh	< 0.011734	M	Tl	< 0.011734
M	Ba	< 0.117341	M	Gd	< 0.011734	M	Mn	< 0.046936	M	Rb	< 0.011734	M	Th	< 0.011734
O	Be	< 0.002000	M	Ga	< 0.011734	O	Hg	< 0.011000	M	Ru	< 0.023468	M	Tm	< 0.004694
M	Bi	< 0.004694	M	Ge	< 0.070404	M	Mo	< 0.023468	M	Sm	< 0.011734	M	Sn	< 0.058670
O	B	< 0.009900	M	Au	< 0.035202	M	Nd	< 0.023468	M	Sc	< 0.117341	M	Ti	< 0.586704
M	Cd	< 0.035202	M	Hf	< 0.023468	s	Ni		O	Se	< 0.006000	M	W	< 0.117341
O	Ca	0.000327	M	Ho	< 0.005867	M	Nb	< 0.005867	O	Si	< 0.003400	M	U	< 0.023468
M	Ce	< 0.058670	M	In	< 0.117341	n	Os		M	Ag	< 0.023468	M	V	< 0.023468
M	Cs	< 0.003520	M	Ir	< 0.058670	M	Pd	< 0.058670	O	Na	0.000435	M	Yb	< 0.011734
M	Cr	< 0.058670	O	Fe	0.000762	O	P	< 0.100000	M	Sr	< 0.005867	M	Y	< 0.469363
O	Co	< 0.002000	M	La	< 0.005867	M	Pt	< 0.023468	O	S	< 0.025000	M	Zn	< 0.234682
M	Cu	< 0.070404	M	Pb	< 0.035202	O	K	0.000163	M	Ta	< 0.082139	M	Zr	< 0.058670

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 58.69; +2; 6; $Ni(H_2O)_6^{2+}$

Chemical Compatibility - Stable in HCl, HNO_3, H_2SO_4 ,HF, H_3PO_4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO_3 / LDPE container.

Ni Containing Samples (Preparation and Solution) - Metal (Soluble in HNO_3); Oxides (Soluble in HCl); Ores (Dissolve in HCl / HNO_3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 221.647 nm	0.01 / 0.0009 µg/mL	1	ion	Si
ICP-OES 232.003 nm	0.02 / 0.006 µg/mL	1	atom	Cr, Re, Os, Nb, Ag, Pt, Fe
ICP-OES 231.604 nm	0.02 / 0.002 µg/mL	1	ion	Sb, Ta, Co
ICP-MS 60 amu	100 ppt	n/a	M+	43Ca16O1H , 44Ca16O, 23Na37Cl

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

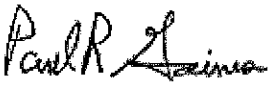
11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 10, 2012

Expiration Date: EXPIRES 01 DEC 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0	**DESCRIPTION OF CRM**	**1000 µg/mL Lead in 0.5% (v/v) HNO3**
	Catalog Number:	CGPB1-1, CGPB1-2, and CGPB1-5
	Lot Number:	**F2-PB03035**
	Starting Material:	Pb(NO3)2
	Starting Material Purity (%):	99.9998
	Starting Material Lot No:	1717
	Matrix:	0.5% (v/v) HNO3

Received 4/17/12

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,001 ± 5 µg/mL - weighted mean

Certified Density: 1.002 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1		
	Assay Method #1	**1,000 ± 3 µg/mL** ICP Assay NIST SRM 3128 Lot Number: 101026
	Assay Method #2	**1,002 ± 3 µg/mL** EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Al	0.000477	M	Dy	< 0.017590	O	Li	0.000136	M	Pr	< 0.000880	M	Te	< 0.067952
M	Sb	< 0.001466	M	Er	< 0.014659	M	Lu	< 0.001173	M	Re	< 0.002932	M	Tb	< 0.000880
M	As	< 0.029317	M	Eu	< 0.008795	O	Mg	0.000102	O	Rh	< 0.009000	O	Tl	< 0.022000
O	Ba	0.000545	M	Gd	< 0.002932	M	Mn	< 0.011727	M	Rb	< 0.002932	M	Th	< 0.002932
M	Be	< 0.001466	M	Ga	< 0.002932	O	Hg	< 0.015000	M	Ru	< 0.005863	M	Tm	< 0.001173
O	Bi	< 0.020000	M	Ge	< 0.017590	M	Mo	< 0.005863	M	Sm	< 0.002932	M	Sn	< 0.014659
O	B	< 0.040000	M	Au	< 0.008795	M	Nd	< 0.005863	M	Sc	< 0.029317	M	Ti	< 0.146587
M	Cd	< 0.008795	M	Hf	< 0.005863	O	Ni	< 0.003000	M	Se	< 0.023454	M	W	< 0.029317
O	Ca	0.000682	M	Ho	< 0.001466	M	Nb	< 0.001466	O	Si	< 0.003400	M	U	< 0.005863
M	Ce	< 0.014659	M	In	< 0.029317	n	Os		M	Ag	< 0.005863	M	V	< 0.005863
M	Cs	< 0.000880	M	Ir	< 0.014659	M	Pd	< 0.014659	O	Na	< 0.006000	M	Yb	< 0.002932
M	Cr	< 0.014659	O	Fe	0.000545	O	P	< 0.005000	O	Sr	0.000204	M	Y	< 0.117270
M	Co	< 0.008795	M	La	< 0.001466	M	Pt	< 0.005863	O	S	< 0.100000	O	Zn	< 0.000200
M	Cu	< 0.017590	s	Pb		O	K	< 0.001800	M	Ta	< 0.020522	M	Zr	< 0.014659

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± 4°C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 207.2; +2; 6; $Pb(H_2O)_6^{+2}$

Chemical Compatibility - Soluble in HCl, HF and HNO_3. Avoid H_2SO_4. Stable with most metals and inorganic anions forming insoluble carbonate, borate, sulfate, sulfite, sulfide, phosphate, oxalate, chromate, tannate, iodate, and cyanide in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO_3 / LDPE container.

Pb Containing Samples (Preparation and Solution) - Metal (Best dissolved in 1:1 H_2O / HNO_3); Oxides (The many different Pb oxides are soluble in HNO_3 with the exception of PbO_2 which is soluble in HCl or HF); Ores and Alloys (Best attacked using 1:1 H_2O / HNO_3); Organic Matrices (Dry ash and dissolve in dilute HCl.).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 168.215 nm	0.03 / 0.003 µg/mL	1	ion	Co
ICP-OES 220.353 nm	0.04 / 0.006 µg/mL	1	ion	Bi, Nb
ICP-OES 217.000 nm	0.09 / 0.03 µg/mL	1	atom	W, Ir, Hf, Sb, Th
ICP-MS 208 amu	5 ppt	n/a	M+	192Pt16O, 192Os16O

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 10, 2012

Expiration Date:

EXPIRES
01/2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny, Product Documentation Technician	
Certificate Approved By:	Brian Alexander, PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines, PhD., Senior Technical Director	

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Zinc in 2% (v/v) HNO3**

Catalog Number:	CGZN1-1, CGZN1-2, and CGZN1-5
Lot Number:	**F2-ZN02075**
Starting Material:	Zn shot
Starting Material Purity (%):	99.9999
Starting Material Lot No:	1676 1677
Matrix:	2% (v/v) HNO3

Received 11/12/12 JR

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,000 ± 5 µg/mL - weighted mean

Certified Density: 1.007 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **998 ± 3 µg/mL**
ICP Assay NIST SRM 3168a Lot Number: 080123

Assay Method #2 **1,001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP/MS AND ICP-OES IN µg/mL

CRM's solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O Al < 0.007000	M Dy < 0.031427	O Li < 0.000030	M Pr < 0.001571	M Te < 0.157134
M Sb < 0.002619	M Er < 0.026189	M Lu < 0.002095	M Re < 0.005238	M Tb < 0.001571
M As < 0.052378	M Eu < 0.015713	M Mg 0.000330	M Rh < 0.005238	M Tl 0.000020
M Ba < 0.052378	M Gd < 0.005238	O Mn < 0.000300	M Rb < 0.005238	M Th < 0.005238
M Be < 0.002619	M Ga < 0.005238	O Hg < 0.010000	M Ru < 0.010476	M Tm < 0.002095
M Bi < 0.002095	M Ge < 0.031427	M Mo < 0.010476	M Sm < 0.005238	M Sn < 0.026189
O B < 0.001000	M Au < 0.015713	M Nd < 0.010476	M Sc < 0.052378	M Ti < 0.261891
M Cd < 0.015713	M Hf < 0.010476	O Ni < 0.000900	M Se < 0.041903	M W < 0.052378
O Ca 0.000134	M Ho < 0.002619	M Nb < 0.002619	O Si < 0.004000	M U < 0.010476
M Ce < 0.026189	M In < 0.052378	n Os	M Ag < 0.010476	M V < 0.010476
M Cs < 0.001571	M Ir < 0.026189	M Pd < 0.026189	O Na 0.000153	M Yb < 0.005238
O Cr < 0.001000	O Fe < 0.001000	O P < 0.003000	M Sr < 0.002619	M Y < 0.209513
M Co < 0.015713	M La < 0.002619	M Pt < 0.010476	O S < 0.020000	s Zn
O Cu < 0.000500	M Pb < 0.015713	O K < 0.003000	M Ta < 0.036665	M Zr < 0.026189

M - Checked by ICP-MS O - Checked by ICP-OES I - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Eletrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep tightly sealed when not in use. Store and use at 20 ± °4C. Do not pipet from container. Do not return portions removed for pipetting to container.

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 65.39; +2; 4; Zn(OH)(aq)1+

Chemical Compatibility - Stable in HCl, HNO3, H2SO4 ,HF, H3PO4 Avoid basic media that promotes the formation of insoluble carbonate and hydroxide. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

Zn Containing Samples (Preparation and Solution) - Metal (Soluble in HNO3); Oxides (Soluble in HCl); Ores (Dissolve in HCl /HNO3); Organic based (Dry ash at 450EC and dissolve ash in HCl) (Sulfuric/peroxide acid digestion)

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Type	Interferences (underlined indicates severe)
ICP-OES 213.856 nm	0.002 / 0.0004 µg/mL	1	atom	Ni, Cu, V
ICP-OES 202.548 nm	0.004 / 0.0002 µg/mL	1	ion	Nb, Cu, Co, Hf
ICP-OES 206.200 nm	0.006 / 0.0006 µg/mL	1	ion	Sb, Ta, Bi, Os
ICP-MS 66 amu	7 ppt	n/a	M+	50Ti16O,50Cr16O, 50V16O, 34S16O2, 32S16O18O, 32S17O2, 33S16O17O, 32S34S, 33S2

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 13, 2012

Expiration Date: EXPIRES: 01 Dec 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:	Danny Feeny Product Documentation Technician	
Certificate Approved By:	Brian Alexander PhD., Quality Control Supervisor	
Certifying Officer:	Paul Gaines PhD., Senior Technical Director	

Reference Materials Producer
Cert #2495.01

SPEXertificate®

Certificate of Reference Material

Chemical Testing
Cert #2495.02

Catalog Number: ZCAL-60-250 **Lot No.** 17-147CR

Description: Custom Claritas Standard

Matrix: 5% HNO_3 / Tr. Tart. Acid / Tr. HF

This CLARITAS PPT® Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for inorganic spectroscopic instrumentation such as ICP-OES, DCP, AA, ICP-MS, and XRF. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

The CRM is prepared from high purity single element concentrates of individual elements using Class A laboratory ware to give precise concentrations.

Instrumental Analysis by ICP Spectrometer:

Analyte	Labeled	Uncertainty	SRM	Analyte	Labeled	Uncertainty	SRM
Ca	1000 mg/L	±5 mg/L	3109a*	Co	2 mg/L	±0.01 mg/L	3113*
K	1000 mg/L	±5 mg/L	3141a*	Cr	2 mg/L	±0.01 mg/L	3112a*
Mg	1000 mg/L	±5 mg/L	3131a*	Cu	2 mg/L	±0.01 mg/L	3114*
Na	1000 mg/L	±5 mg/L	3152a*	Mo	2 mg/L	±0.01 mg/L	3134*
Fe	500 mg/L	±3 mg/L	3126a*	Ni	2 mg/L	±0.01 mg/L	3136*
Si	100 mg/L	±0.5 mg/L	3150*	Pb	2 mg/L	±0.01 mg/L	3128*
Al	10 mg/L	±0.05 mg/L	3101a*	Sb	2 mg/L	±0.01 mg/L	3102a*
Mn	10 mg/L	±0.05 mg/L	3132*	Se	2 mg/L	±0.01 mg/L	3149*
Ag	2 mg/L	±0.01 mg/L	3151*	Sn	2 mg/L	±0.01 mg/L	3161a*
As	2 mg/L	±0.01 mg/L	3103a*	Sr	2 mg/L	±0.01 mg/L	3153a*
B	2 mg/L	±0.01 mg/L	3107*	Tl	2 mg/L	±0.01 mg/L	3162a*
Ba	2 mg/L	±0.01 mg/L	3104a*	Tl	2 mg/L	±0.01 mg/L	3158*
Be	2 mg/L	±0.01 mg/L	3105a*	V	2 mg/L	±0.01 mg/L	3165*
Cd	2 mg/L	±0.01 mg/L	3108*	Zn	2 mg/L	±0.01 mg/L	3168a*

* - indicates NIST SRM † - indicates SPEX CertiPrep CRM (when NIST SRM is not available)

SPEX CertiPrep Reference Multi: Lot# ALL8

Trace Metallic Impurities in the Actual Solution via ICP/ICP-MS Analysis:

Element	µg/L	Element	µg/L	Element	µg/L	Element	µg/L	Element	µg/L	Element	µg/L
Au	<0.7	Ga	<3	Ir	20	Pd	<2	Sc	<1	Tm	<0.1
Bi	6	Gd	<0.01	La	1	Pr	<0.05	Sm	<0.4	U	<0.2
Ce	1	Ge	<6	Li	<30	Pt	<1	Ta	20	W	<7
Cs	<0.3	Hf	0.2	Lu	<0.05	Rb	40	Tb	0.1	Y	0.4
Dy	<0.2	Hg	<4	Nb	2	Re	<0.4	Te	<6	Yb	<0.3
Er	<0.2	Ho	<0.1	Nd	<0.2	Rh	<0.8	Th	0.4	Zr	<50
Eu	<0.1	In	<6	P	<400	Ru	<0.8				

Balances are calibrated regularly with weight sets traceable to NIST#s 32856, 32867 and others. This CRM is guaranteed stable and accurate to ±0.5% of the labeled value. This includes uncertainty components due to preparation, measurement, homogeneity, short-term and long-term stability, as well as transpiration loss. This guarantee is valid for a period of one year from the date of certification only when the material is kept tightly closed and stored under ambient laboratory conditions.

Date of Certification: DEC 2012 Certifying Officer:

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Rec 3B13

CERTIFICATE OF ANALYSIS

773262

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **Custom Solution**

Catalog No.: TAPITT-MSICSAB-1

Lot Number: **F2-MEB415033**

Matrix: 3% HNO3(v/v)

10 µg/mL ea:
Ba, Be, Pb, Sr, Tl, V

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Barium, Ba	10.00 ± 0.07 µg/mL	Beryllium, Be	10.00 ± 0.07 µg/mL	Lead, Pb	10.00 ± 0.06 µg/mL
Strontium, Sr	10.00 ± 0.06 µg/mL	Thallium, Tl	10.00 ± 0.06 µg/mL	Vanadium, V	10.00 ± 0.06 µg/mL

Certified Density: 1.014 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ba	Gravimetric		See Sec. 4.2
Ba	ICP Assay	3104a	070222
Be	Calculated		See Sec. 4.2
Be	ICP Assay	3105a	892707
Pb	ICP Assay	3128	030721
Pb	EDTA	928	928
Sr	ICP Assay	3153a	990906
Sr	EDTA	928	928
Tl	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	993012
V	ICP Assay	3165	992706
V	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- SAI Global File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

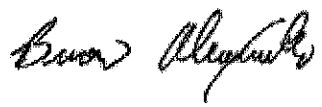
Certification Date: March 06, 2012

Expiration Date: EXPIRES 01 APR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Technical Process Director



Certifying Officer: Paul Gaines
PhD., Senior Technical Director

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Rec 3B13

CERTIFICATE OF ANALYSIS

773263

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **Custom Solution**

Catalog No.: TAPITT-MSICSAB-2

Lot Number: **G2-MEB467043**

Matrix: 3% HNO3(v/v), tr. HF

250 µg/mL ea:
Si,

50 µg/mL ea:
Sn,

25 µg/mL ea:
B, Se,

10 µg/mL ea:
Sb

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	10.00 ± 0.06 µg/mL	Boron, B	24.98 ± 0.17 µg/mL	Selenium, Se	25.01 ± 0.21 µg/mL
Silicon, Si	249.9 ± 1.6 µg/mL	Tin, Sn	50.04 ± 0.36 µg/mL		

Certified Density: 1.018 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$

2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	070514
Sb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102A	061229
Se	Calculated		See Sec. 4.2
Se	ICP Assay	3149	992106
Si	Calculated		See Sec. 4.2
Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	070330

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- SAI Global File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 08, 2013

Expiration Date: EXPIRES 01APR2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Technical Process Director

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-ICPMS

Lot Number: **G2-MEB455121**

Matrix: 0.7% HNO3(v/v)

200 µg/mL ea:
Al, Ba,

100 µg/mL ea:
B, Fe, Sr,

50 µg/mL ea:
Co, Mn, Ni, V, Zn,

25 µg/mL ea:
Cu,

20 µg/mL ea:
Cr3,

5 µg/mL ea:
Ag, Be, Cd, Tl,

4 µg/mL ea:
As,

2 µg/mL ea:
Pb,

1 µg/mL ea:
Se

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	200.1 ± 1.3 µg/mL	Arsenic, As	4.001 ± 0.026 µg/mL	Barium, Ba	200.0 ± 1.3 µg/mL
Beryllium, Be	5.001 ± 0.028 µg/mL	Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	5.001 ± 0.032 µg/mL
Chromium+3, Cr3	20.01 ± 0.13 µg/mL	Cobalt, Co	50.02 ± 0.33 µg/mL	Copper, Cu	25.00 ± 0.17 µg/mL
Iron, Fe	100.0 ± 0.6 µg/mL	Lead, Pb	2.000 ± 0.013 µg/mL	Manganese, Mn	50.01 ± 0.32 µg/mL
Nickel, Ni	50.01 ± 0.33 µg/mL	Selenium, Se	1.001 ± 0.007 µg/mL	Silver, Ag	5.001 ± 0.032 µg/mL
Strontium, Sr	100.0 ± 0.6 µg/mL	Thallium, Tl	5.001 ± 0.032 µg/mL	Vanadium, V	50.00 ± 0.35 µg/mL
Zinc, Zn	50.00 ± 0.33 µg/mL				

Certified Density: 1.005 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2 [\Sigma(s_i)^2]^{\frac{1}{2}}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{\frac{1}{2}}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212	Ag	Volhard	999b	999b
Al	ICP Assay	3101a	060502	Al	EDTA	928	928
As	Calculated		See Sec. 4.2	As	ICP Assay	3103a	100818
B	ICP Assay	3107	070514	Ba	Gravimetric		See Sec. 4.2
Ba	ICP Assay	3104a	070222	Be	Calculated		See Sec. 4.2
Be	ICP Assay	3105a	090514	Cd	ICP Assay	3108	060531
Cd	EDTA	928	928	Co	ICP Assay	3113	00630
Co	EDTA	928	928	Cr3	Calculated		See Sec. 4.2
Cr3	ICP Assay	3112a	030730	Cu	ICP Assay	3114	011017
Cu	EDTA	928	928	Fe	ICP Assay	3126a	051031
Fe	EDTA	928	928	Mn	ICP Assay	3132	050429
Mn	EDTA	928	928	Ni	ICP Assay	3136	000612
Ni	EDTA	928	928	Pb	ICP Assay	3128	101026
Pb	EDTA	928	928	Se	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901	Sr	ICP Assay	3153a	990906
Sr	EDTA	928	928	Tl	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	993012	V	ICP Assay	3165	992706
V	EDTA	928	928	Zn	ICP Assay	3168a	080123
Zn	EDTA	928	928				

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 09, 2013

Expiration Date: EXPIRES 01/2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Christy Shortridge
Product Documentation Technician

Christy Shortridge

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Brian Alexander

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Paul R Gaines

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CERTIFICATE OF ANALYSIS

tel: 800.669.6799 • 540.585.3030
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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 863.01

ACCREDITED Reference Material Producer Certificate 863.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-ICPMS

Lot Number: **E2-MEB379097**

Matrix: 0.7% HNO3(v/v)

200 µg/mL ea:
Al, Ba,

100 µg/mL ea:
B, Fe, Sr,

50 µg/mL ea:
Co, Mn, Ni, V, Zn,

25 µg/mL ea:
Cu,

20 µg/mL ea:
Cr3,

5 µg/mL ea:
Ag, Be, Cd, Tl,

4 µg/mL ea:
As,

2 µg/mL ea:
Pb,

1 µg/mL ea:
Se

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	200.0 ± 1.1 µg/mL	Arsenic, As	4.001 ± 0.016 µg/mL	Barium, Ba	200.0 ± 1.5 µg/mL
Beryllium, Be	5.000 ± 0.030 µg/mL	Boron, B	100.0 ± 0.5 µg/mL	Cadmium, Cd	5.000 ± 0.020 µg/mL
Chromium+3, Cr3	20.01 ± 0.15 µg/mL	Cobalt, Co	50.00 ± 0.33 µg/mL	Copper, Cu	25.01 ± 0.07 µg/mL
Iron, Fe	100.0 ± 0.6 µg/mL	Lead, Pb	2.001 ± 0.004 µg/mL	Manganese, Mn	50.00 ± 0.38 µg/mL
Nickel, Ni	50.01 ± 0.31 µg/mL	Selenium, Se	1.000 ± 0.004 µg/mL	Silver, Ag	5.000 ± 0.025 µg/mL
Strontium, Sr	100.1 ± 0.5 µg/mL	Thallium, Tl	5.000 ± 0.020 µg/mL	Vanadium, V	50.00 ± 0.39 µg/mL
Zinc, Zn	50.00 ± 0.16 µg/mL				

Certified Density: 1.006 g/mL (measured at 20 ± 1° C)

uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\overline{x}) = \frac{\Sigma x_i}{n}$ ($\overline{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty (±) = $\frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$ Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212
Al	ICP Assay	3101a	060502
As	Calculated		See Sec. 4.2
B	ICP Assay	3107	070514
Ba	ICP Assay	3104a	070222
Be	ICP Assay	3105a	892707
Cd	EDTA	928	928
Co	EDTA	928	928
Cr3	ICP Assay	3112a	030730
Cu	EDTA	928	928
Fe	EDTA	928	928
Mn	EDTA	928	928
Ni	EDTA	928	928
Pb	EDTA	928	928
Se	ICP Assay	3149	992106
Sr	EDTA	928	928
Tl	ICP Assay	3158	993012
V	EDTA	928	928
Zn	EDTA	928	928

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	Volhard	999b	999b
Al	EDTA	928	928
As	ICP Assay	3103a	010713
Ba	Gravimetric		See Sec. 4.2
Be	Calculated		See Sec. 4.2
Cd	ICP Assay	3108	060531
Co	ICP Assay	3113	00630
Cr3	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	011017
Fe	ICP Assay	3126a	051031
Mn	ICP Assay	3132	050429
Ni	ICP Assay	3136	000612
Pb	ICP Assay	3128	030721
Se	Calculated		See Sec. 4.2
Sr	ICP Assay	3153a	990906
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	992706
Zn	ICP Assay	3168a	080123

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: June 16, 2011

Expiration Date: EXPIRES 01 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn
Product Documentation Technician

Donna Senn

Certificate Approved By: Madeline Gozzi
Quality Control Supervisor

Madeline Gozzi

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Paul R Gaines

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CERTIFICATE OF ANALYSIS

CH 2/14/13

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-A

Lot Number: **G2-MEB458093**

Matrix: 3% HNO3(v/v)

5,000 µg/mL ea:
Ca, K, Mg, Na

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Calcium, Ca	5,000 ± 35 µg/mL	Magnesium, Mg	5,000 ± 33 µg/mL	Potassium, K	5,000 ± 37 µg/mL
Sodium, Na	5,000 ± 34 µg/mL				

Certified Density: 1.073 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2 [\Sigma(s_i)^2]^{1/2}$

2 = the coverage factor.

$[\Sigma(s_i)^2]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

· The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ca	ICP Assay	3109a	050825	Ca	EDTA	928	928
K	Gravimetric		See Sec. 4.2	K	ICP Assay	3141a	051220
Mg	ICP Assay	3131a	050302	Mg	EDTA	928	928
Na	Gravimetric		See Sec. 4.2	Na	ICP Assay	3152a	010728

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

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- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 01, 2013

Expiration Date: EXPIRES 01 MAR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Zach Saunders
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

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CERTIFICATE OF ANALYSIS

CH 2/14/13

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 863.01
ACCREDITED Reference Material Producer Certificate 863.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: TAPITT-MS-C

Lot Number: **G2-MEB458094**

Matrix: 3% HNO3(v/v), tr. HF

1,000 µg/mL ea:
Si,

200 µg/mL ea:
Sn,

100 µg/mL ea:
Mo, Ti,

50 µg/mL ea:
Sb

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	50.02 ± 0.38 µg/mL	Molybdenum, Mo	100.0 ± 0.7 µg/mL	Silicon, Si	1,000 ± 7 µg/mL
Tin, Sn	200.0 ± 1.4 µg/mL	Titanium, Ti	100.1 ± 0.7 µg/mL		

Certified Density: 1.020 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$ 2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

· The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a NIST SRM/RM. See section 4.2 for balance traceability.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Mo	Calculated		See Sec. 4.2	Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2	Sb	ICP Assay	3102A	061229
Si	Calculated		See Sec. 4.2	Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2	Sn	ICP Assay	3161a	070330
Ti	ICP Assay	3162a	060808				

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep Tightly sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: February 01, 2013

Expiration Date: EXPIRES 01 MAR 2014

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Zach Saunders
Product Documentation Technician

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-22141-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAP	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAP	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190
TestAmerica Pittsburgh	Arkansas DEQ	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAP	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAP	4	E871008
TestAmerica Pittsburgh	Illinois	NELAP	5	002602
TestAmerica Pittsburgh	L-A-B	DoD ELAP		L2314
TestAmerica Pittsburgh	Louisiana	NELAP	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAP	1	203011
TestAmerica Pittsburgh	New Jersey	NELAP	2	PA005
TestAmerica Pittsburgh	New York	NELAP	2	11182
TestAmerica Pittsburgh	North Carolina DENR	State Program	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAP	3	02-00416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014
TestAmerica Pittsburgh	US Fish & Wildlife	Federal		LE94312A-1
TestAmerica Pittsburgh	USDA	Federal		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAP	8	STLP
TestAmerica Pittsburgh	Virginia	NELAP	3	460189
TestAmerica Pittsburgh	West Virginia DEP	State Program	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-22141-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
079SS-0182M-0001-SO	240-22141-1
079SS-0184M-0001-SO	240-22141-2
079SS-0185M-0001-SO	240-22141-3
079SS-0186M-0001-SO	240-22141-4
079SS-0187M-0001-SO	240-22141-5
079SS-0188M-0001-SO	240-22141-6
079SS-0189M-0001-SO	240-22141-7
079SS-0190M-0001-SO	240-22141-8
079SS-0191M-0001-SO	240-22141-9
079SS-0192M-0001-SO	240-22141-10
079SS-0193M-0001-SO	240-22141-11
079SB-0195M-0001-SO	240-22141-12
079SB-0196M-0001-SO	240-22141-13
079SB-0197M-0001-SO	240-22141-14
079SB-0198M-0001-SO	240-22141-15
079SB-0199M-0001-SO	240-22141-16
079SB-0200M-0001-SO	240-22141-17
079SB-0201M-0001-SO	240-22141-18
079SS-0202-0001-SO	240-22141-19
079SS-0203-0001-SO	240-22141-20
079SB-0204M-0001-SO	240-22141-21
079SB-0206M-0001-SO	240-22141-22
079SB-0207M-0001-SO	240-22141-23
079SB-0208M-0001-SO	240-22141-24
079SB-0209M-0001-SO	240-22141-25
079SB-0210M-0001-SO	240-22141-26
079SB-0211M-0001-SO	240-22141-27
079SS-0212-0001-SO	240-22141-28
079SS-0213-0001-SO	240-22141-29
079SS-0317M-0001-SO	240-22141-30
079SS-0318M-0001-SO	240-22141-31

Comments:

COVER PAGE
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22141-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
079SS-0182M-0001-SO	240-22141-1
079SS-0184M-0001-SO	240-22141-2
079SS-0185M-0001-SO	240-22141-3
079SS-0186M-0001-SO	240-22141-4
079SS-0187M-0001-SO	240-22141-5
079SS-0188M-0001-SO	240-22141-6
079SS-0189M-0001-SO	240-22141-7
079SS-0190M-0001-SO	240-22141-8
079SS-0191M-0001-SO	240-22141-9
079SS-0192M-0001-SO	240-22141-10
079SS-0193M-0001-SO	240-22141-11
079SB-0195M-0001-SO	240-22141-12
079SB-0196M-0001-SO	240-22141-13
079SB-0197M-0001-SO	240-22141-14
079SB-0198M-0001-SO	240-22141-15
079SB-0199M-0001-SO	240-22141-16
079SB-0200M-0001-SO	240-22141-17
079SB-0201M-0001-SO	240-22141-18
079SS-0202-0001-SO	240-22141-19
079SS-0203-0001-SO	240-22141-20
079SB-0204M-0001-SO	240-22141-21
079SB-0206M-0001-SO	240-22141-22
079SB-0207M-0001-SO	240-22141-23
079SB-0208M-0001-SO	240-22141-24
079SB-0209M-0001-SO	240-22141-25
079SB-0210M-0001-SO	240-22141-26
079SB-0211M-0001-SO	240-22141-27
079SS-0212-0001-SO	240-22141-28
079SS-0213-0001-SO	240-22141-29
079SS-0317M-0001-SO	240-22141-30
079SS-0318M-0001-SO	240-22141-31

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0182M-0001-SO
Lab Sample ID: 240-22141-1
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 10:07
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.055	0.10	0.033	0.014	mg/Kg	J	J	1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0184M-0001-SO
Lab Sample ID: 240-22141-2
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 10:40
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.045	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0185M-0001-SO
Lab Sample ID: 240-22141-3
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:15
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.11	0.11	0.037	0.016	mg/Kg			1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0186M-0001-SO
Lab Sample ID: 240-22141-4
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 11:00
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.042	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0187M-0001-SO
Lab Sample ID: 240-22141-5
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 11:30
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.035	0.098	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0188M-0001-SO
Lab Sample ID: 240-22141-6
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:05
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.041	0.097	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0189M-0001-SO
Lab Sample ID: 240-22141-7
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:25
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.051	0.11	0.035	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0190M-0001-SO
Lab Sample ID: 240-22141-8
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:30
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.025	0.10	0.034	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0191M-0001-SO
Lab Sample ID: 240-22141-9
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:30
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.037	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0192M-0001-SO
Lab Sample ID: 240-22141-10
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 13:18
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.038	0.11	0.035	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0193M-0001-SO
Lab Sample ID: 240-22141-11
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 15:30
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.039	0.11	0.035	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0195M-0001-SO
Lab Sample ID: 240-22141-12
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:46
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.021	0.097	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0196M-0001-SO
Lab Sample ID: 240-22141-13
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:47
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.022	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0197M-0001-SO
Lab Sample ID: 240-22141-14
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:25
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.017	0.098	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0198M-0001-SO
Lab Sample ID: 240-22141-15
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 13:40
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.037	0.11	0.037	0.016	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0199M-0001-SO
Lab Sample ID: 240-22141-16
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:33
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.034	0.10	0.034	0.014	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0200M-0001-SO
Lab Sample ID: 240-22141-17
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 11:43
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.030	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0201M-0001-SO
Lab Sample ID: 240-22141-18
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:55
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.016	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0202-0001-SO
Lab Sample ID: 240-22141-19
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:53
Reporting Basis: DRY
Date Received: 03/19/2013 17:16
% Solids: 81.9

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.035	0.13	0.044	0.019	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0203-0001-SO
Lab Sample ID: 240-22141-20
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:55
Reporting Basis: DRY
Date Received: 03/19/2013 17:16
% Solids: 81.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.039	0.12	0.039	0.017	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0204M-0001-SO
Lab Sample ID: 240-22141-21
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 18:08
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.015	0.10	0.034	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0206M-0001-SO
Lab Sample ID: 240-22141-22
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 18:10
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.035	0.11	0.035	0.015	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0207M-0001-SO
Lab Sample ID: 240-22141-23
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 15:56
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.033	0.10	0.033	0.014	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0208M-0001-SO
Lab Sample ID: 240-22141-24
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 16:10
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.035	0.11	0.035	0.015	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0209M-0001-SO
Lab Sample ID: 240-22141-25
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 18:05
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.038	0.12	0.038	0.016	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0210M-0001-SO
Lab Sample ID: 240-22141-26
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 18:15
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.035	0.11	0.035	0.015	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0211M-0001-SO
Lab Sample ID: 240-22141-27
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 16:00
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.032	0.098	0.032	0.014	mg/Kg	U		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0212-0001-SO
Lab Sample ID: 240-22141-28
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 16:40
Reporting Basis: DRY
Date Received: 03/19/2013 17:16
% Solids: 81.8

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.054	0.14	0.047	0.020	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0213-0001-SO
Lab Sample ID: 240-22141-29
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 16:42
Reporting Basis: DRY
Date Received: 03/19/2013 17:16
% Solids: 81.8

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.033	0.14	0.047	0.020	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0317M-0001-SO
Lab Sample ID: 240-22141-30
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 17:00
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.37	0.12	0.039	0.016	mg/Kg			1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0318M-0001-SO
Lab Sample ID: 240-22141-31
Lab Name: TestAmerica Canton
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 17:05
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Mercury	0.036	0.095	0.031	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0182M-0001-SO
Lab Sample ID: 240-22141-1
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 10:07
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.26	0.091	0.027	0.010	mg/Kg			1	6020/DOD
Aluminum	13000	2.7	0.55	0.26	mg/Kg		J	1	6020/DOD
Arsenic	12	0.091	0.045	0.016	mg/Kg		J	1	6020/DOD
Barium	310	0.91	0.018	0.0097	mg/Kg		Q J	1	6020/DOD
Beryllium	0.61	0.091	0.0091	0.0068	mg/Kg			1	6020/DOD
Calcium	3800	9.1	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.28	0.091	0.027	0.012	mg/Kg			1	6020/DOD
Chromium	28	0.18	0.036	0.020	mg/Kg			1	6020/DOD
Cobalt	7.6	0.045	0.0091	0.0022	mg/Kg		Q	1	6020/DOD
Copper	12	0.18	0.055	0.030	mg/Kg		Q	1	6020/DOD
Iron	19000	4.5	1.8	0.98	mg/Kg		J	1	6020/DOD
Magnesium	2700	9.1	1.8	0.98	mg/Kg			1	6020/DOD
Manganese	13000	4.5	0.27	0.14	mg/Kg		D J	10	6020/DOD
Sodium	81	9.1	4.5	2.4	mg/Kg			1	6020/DOD
Nickel	31	0.091	0.027	0.010	mg/Kg			1	6020/DOD
Lead	25	0.091	0.027	0.014	mg/Kg		J	1	6020/DOD
Antimony	0.059	0.18	0.091	0.042	mg/Kg	J	J	1	6020/DOD
Thallium	0.50	0.091	0.018	0.0093	mg/Kg			1	6020/DOD
Vanadium	23	0.091	0.055	0.027	mg/Kg			1	6020/DOD
Zinc	98	0.45	0.18	0.059	mg/Kg		Q	1	6020/DOD
Potassium	900	9.1	5.5	2.9	mg/Kg			1	6020/DOD
Selenium	0.49	0.45	0.091	0.046	mg/Kg			1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0184M-0001-SO
Lab Sample ID: 240-22141-2
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 10:40
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.34	0.095	0.029	0.011	mg/Kg			1	6020/DOD
Aluminum	11000	2.9	0.57	0.27	mg/Kg			1	6020/DOD
Arsenic	14	0.095	0.048	0.017	mg/Kg			1	6020/DOD
Barium	1000	0.95	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.55	0.095	0.0095	0.0071	mg/Kg			1	6020/DOD
Calcium	1200	9.5	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.32	0.095	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	13	0.19	0.038	0.021	mg/Kg			1	6020/DOD
Cobalt	9.7	0.048	0.0095	0.0023	mg/Kg		Q	1	6020/DOD
Copper	16	0.19	0.057	0.031	mg/Kg		Q	1	6020/DOD
Iron	21000	4.8	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	1800	9.5	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	27000	48	2.9	1.5	mg/Kg		D	100	6020/DOD
Sodium	56	9.5	4.8	2.5	mg/Kg			1	6020/DOD
Nickel	29	0.095	0.029	0.011	mg/Kg			1	6020/DOD
Lead	46	0.095	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.21	0.19	0.095	0.044	mg/Kg			1	6020/DOD
Thallium	0.30	0.095	0.019	0.0097	mg/Kg			1	6020/DOD
Vanadium	27	0.095	0.057	0.028	mg/Kg			1	6020/DOD
Zinc	140	0.48	0.19	0.062	mg/Kg		Q	1	6020/DOD
Potassium	830	9.5	5.7	3.0	mg/Kg			1	6020/DOD
Selenium	0.47	0.48	0.095	0.048	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0185M-0001-SO
Lab Sample ID: 240-22141-3
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:15
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	4.3	0.089	0.027	0.010	mg/Kg			1	6020/DOD
Aluminum	11000	2.7	0.54	0.25	mg/Kg			1	6020/DOD
Arsenic	44	0.089	0.045	0.016	mg/Kg			1	6020/DOD
Barium	1100	0.89	0.018	0.0096	mg/Kg		Q	1	6020/DOD
Beryllium	0.80	0.089	0.0089	0.0067	mg/Kg			1	6020/DOD
Calcium	5600	8.9	2.2	1.2	mg/Kg			1	6020/DOD
Cadmium	1.2	0.089	0.027	0.012	mg/Kg			1	6020/DOD
Chromium	35	0.18	0.036	0.020	mg/Kg			1	6020/DOD
Cobalt	10	0.045	0.0089	0.0021	mg/Kg		Q	1	6020/DOD
Copper	20	0.18	0.054	0.029	mg/Kg		Q	1	6020/DOD
Iron	18000	4.5	1.8	0.96	mg/Kg			1	6020/DOD
Magnesium	4500	8.9	1.8	0.96	mg/Kg			1	6020/DOD
Manganese	47000	45	2.7	1.4	mg/Kg		D	100	6020/DOD
Sodium	120	8.9	4.5	2.4	mg/Kg			1	6020/DOD
Nickel	43	0.089	0.027	0.010	mg/Kg			1	6020/DOD
Lead	200	0.089	0.027	0.014	mg/Kg			1	6020/DOD
Antimony	0.19	0.18	0.089	0.041	mg/Kg			1	6020/DOD
Thallium	1.1	0.089	0.018	0.0091	mg/Kg			1	6020/DOD
Vanadium	24	0.089	0.054	0.027	mg/Kg			1	6020/DOD
Zinc	670	0.45	0.18	0.058	mg/Kg		Q	1	6020/DOD
Potassium	1300	8.9	5.4	2.8	mg/Kg			1	6020/DOD
Selenium	0.53	0.45	0.089	0.045	mg/Kg			1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0186M-0001-SO
Lab Sample ID: 240-22141-4
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 11:00
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.042	0.086	0.026	0.0098	mg/Kg	J		1	6020/DOD
Aluminum	12000	2.6	0.52	0.25	mg/Kg			1	6020/DOD
Arsenic	13	0.086	0.043	0.016	mg/Kg			1	6020/DOD
Barium	150	0.86	0.017	0.0092	mg/Kg		Q	1	6020/DOD
Beryllium	0.78	0.086	0.0086	0.0065	mg/Kg			1	6020/DOD
Calcium	13000	8.6	2.2	1.1	mg/Kg			1	6020/DOD
Cadmium	0.20	0.086	0.026	0.011	mg/Kg			1	6020/DOD
Chromium	66	0.17	0.034	0.019	mg/Kg			1	6020/DOD
Cobalt	8.8	0.043	0.0086	0.0021	mg/Kg		Q	1	6020/DOD
Copper	11	0.17	0.052	0.028	mg/Kg		Q	1	6020/DOD
Iron	18000	4.3	1.7	0.93	mg/Kg			1	6020/DOD
Magnesium	3800	8.6	1.7	0.93	mg/Kg			1	6020/DOD
Manganese	3300	4.3	0.26	0.14	mg/Kg		D	10	6020/DOD
Sodium	100	8.6	4.3	2.3	mg/Kg			1	6020/DOD
Nickel	47	0.086	0.026	0.0097	mg/Kg			1	6020/DOD
Lead	39	0.086	0.026	0.013	mg/Kg			1	6020/DOD
Antimony	0.058	0.17	0.086	0.040	mg/Kg	J		1	6020/DOD
Thallium	0.15	0.086	0.017	0.0088	mg/Kg			1	6020/DOD
Vanadium	19	0.086	0.052	0.026	mg/Kg			1	6020/DOD
Zinc	44	0.43	0.17	0.056	mg/Kg		Q	1	6020/DOD
Potassium	730	8.6	5.2	2.7	mg/Kg			1	6020/DOD
Selenium	0.47	0.43	0.086	0.044	mg/Kg			1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0187M-0001-SO
Lab Sample ID: 240-22141-5
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 11:30
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.038	0.095	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	13000	2.9	0.57	0.27	mg/Kg			1	6020/DOD
Arsenic	9.6	0.095	0.048	0.017	mg/Kg			1	6020/DOD
Barium	150	0.95	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.50	0.095	0.0095	0.0071	mg/Kg			1	6020/DOD
Calcium	1400	9.5	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.14	0.095	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	96	0.19	0.038	0.021	mg/Kg			1	6020/DOD
Cobalt	9.8	0.048	0.0095	0.0023	mg/Kg		Q	1	6020/DOD
Copper	11	0.19	0.057	0.031	mg/Kg		Q	1	6020/DOD
Iron	23000	4.8	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	3100	9.5	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	3500	4.8	0.29	0.15	mg/Kg		D	10	6020/DOD
Sodium	94	9.5	4.8	2.5	mg/Kg			1	6020/DOD
Nickel	76	0.095	0.029	0.011	mg/Kg			1	6020/DOD
Lead	14	0.095	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.095	0.19	0.095	0.044	mg/Kg	U		1	6020/DOD
Thallium	0.17	0.095	0.019	0.0097	mg/Kg			1	6020/DOD
Vanadium	25	0.095	0.057	0.028	mg/Kg			1	6020/DOD
Zinc	42	0.48	0.19	0.062	mg/Kg		Q	1	6020/DOD
Potassium	770	9.5	5.7	3.0	mg/Kg			1	6020/DOD
Selenium	0.36	0.48	0.095	0.048	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0188M-0001-SO
Lab Sample ID: 240-22141-6
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:05
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.044	0.096	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	13000	2.9	0.58	0.27	mg/Kg			1	6020/DOD
Arsenic	20	0.096	0.048	0.017	mg/Kg			1	6020/DOD
Barium	1400	0.96	0.019	0.010	mg/Kg		Q J	1	6020/DOD
Beryllium	0.94	0.096	0.0096	0.0072	mg/Kg			1	6020/DOD
Calcium	2700	9.6	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.29	0.096	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	31	0.19	0.038	0.021	mg/Kg			1	6020/DOD
Cobalt	21	0.048	0.0096	0.0023	mg/Kg		Q	1	6020/DOD
Copper	24	0.19	0.058	0.032	mg/Kg		Q	1	6020/DOD
Iron	22000	4.8	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	2800	9.6	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	57000	48	2.9	1.5	mg/Kg		D	100	6020/DOD
Sodium	170	9.6	4.8	2.6	mg/Kg			1	6020/DOD
Nickel	57	0.096	0.029	0.011	mg/Kg			1	6020/DOD
Lead	20	0.096	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.093	0.19	0.096	0.044	mg/Kg	J		1	6020/DOD
Thallium	0.60	0.096	0.019	0.0098	mg/Kg			1	6020/DOD
Vanadium	27	0.096	0.058	0.029	mg/Kg			1	6020/DOD
Zinc	72	0.48	0.19	0.062	mg/Kg		Q	1	6020/DOD
Potassium	1900	9.6	5.8	3.0	mg/Kg			1	6020/DOD
Selenium	0.46	0.48	0.096	0.049	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0189M-0001-SO
Lab Sample ID: 240-22141-7
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:25
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.054	0.095	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	9500	2.9	0.57	0.27	mg/Kg			1	6020/DOD
Arsenic	210	0.095	0.048	0.017	mg/Kg			1	6020/DOD
Barium	260	0.95	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.58	0.095	0.0095	0.0071	mg/Kg			1	6020/DOD
Calcium	6500	9.5	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.19	0.095	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	39	0.19	0.038	0.021	mg/Kg			1	6020/DOD
Cobalt	18	0.048	0.0095	0.0023	mg/Kg		Q	1	6020/DOD
Copper	84	0.19	0.057	0.031	mg/Kg		Q	1	6020/DOD
Iron	14000	4.8	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	3400	9.5	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	43000	48	2.9	1.5	mg/Kg		D	100	6020/DOD
Sodium	510	9.5	4.8	2.5	mg/Kg			1	6020/DOD
Nickel	24	0.095	0.029	0.011	mg/Kg			1	6020/DOD
Lead	800	0.095	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.077	0.19	0.095	0.044	mg/Kg	J		1	6020/DOD
Thallium	0.26	0.095	0.019	0.0097	mg/Kg			1	6020/DOD
Vanadium	20	0.095	0.057	0.028	mg/Kg			1	6020/DOD
Zinc	85	0.48	0.19	0.062	mg/Kg		Q	1	6020/DOD
Potassium	1400	9.5	5.7	3.0	mg/Kg			1	6020/DOD
Selenium	0.46	0.48	0.095	0.048	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0190M-0001-SO
Lab Sample ID: 240-22141-8
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:30
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.048	0.095	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	12000	2.9	0.57	0.27	mg/Kg			1	6020/DOD
Arsenic	160	0.095	0.048	0.017	mg/Kg			1	6020/DOD
Barium	96	0.95	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.58	0.095	0.0095	0.0071	mg/Kg			1	6020/DOD
Calcium	1100	9.5	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.16	0.095	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	25	0.19	0.038	0.021	mg/Kg			1	6020/DOD
Cobalt	9.0	0.048	0.0095	0.0023	mg/Kg		Q	1	6020/DOD
Copper	24	0.19	0.057	0.031	mg/Kg		Q	1	6020/DOD
Iron	19000	4.8	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	2800	9.5	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	5800	4.8	0.29	0.15	mg/Kg		D	10	6020/DOD
Sodium	230	9.5	4.8	2.5	mg/Kg			1	6020/DOD
Nickel	24	0.095	0.029	0.011	mg/Kg			1	6020/DOD
Lead	160	0.095	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.095	0.19	0.095	0.044	mg/Kg	U		1	6020/DOD
Thallium	0.14	0.095	0.019	0.0097	mg/Kg			1	6020/DOD
Vanadium	21	0.095	0.057	0.028	mg/Kg			1	6020/DOD
Zinc	56	0.48	0.19	0.062	mg/Kg		Q	1	6020/DOD
Potassium	1400	9.5	5.7	3.0	mg/Kg			1	6020/DOD
Selenium	0.47	0.48	0.095	0.048	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0191M-0001-SO
Lab Sample ID: 240-22141-9
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:30
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.045	0.093	0.028	0.011	mg/Kg	J		1	6020/DOD
Aluminum	14000	2.8	0.56	0.26	mg/Kg			1	6020/DOD
Arsenic	11	0.093	0.046	0.017	mg/Kg			1	6020/DOD
Barium	82	0.93	0.019	0.0099	mg/Kg		Q	1	6020/DOD
Beryllium	0.73	0.093	0.0093	0.0069	mg/Kg			1	6020/DOD
Calcium	4000	9.3	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.19	0.093	0.028	0.012	mg/Kg			1	6020/DOD
Chromium	26	0.19	0.037	0.021	mg/Kg			1	6020/DOD
Cobalt	9.7	0.046	0.0093	0.0022	mg/Kg		Q	1	6020/DOD
Copper	14	0.19	0.056	0.031	mg/Kg		Q	1	6020/DOD
Iron	22000	4.6	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	4100	9.3	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	1400	0.46	0.028	0.015	mg/Kg		Q	1	6020/DOD
Sodium	58	9.3	4.6	2.5	mg/Kg			1	6020/DOD
Nickel	25	0.093	0.028	0.010	mg/Kg			1	6020/DOD
Lead	16	0.093	0.028	0.014	mg/Kg			1	6020/DOD
Antimony	0.093	0.19	0.093	0.043	mg/Kg	U		1	6020/DOD
Thallium	0.16	0.093	0.019	0.0094	mg/Kg			1	6020/DOD
Vanadium	21	0.093	0.056	0.028	mg/Kg			1	6020/DOD
Zinc	54	0.46	0.19	0.060	mg/Kg		Q	1	6020/DOD
Potassium	1000	9.3	5.6	2.9	mg/Kg			1	6020/DOD
Selenium	0.47	0.46	0.093	0.047	mg/Kg			1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0192M-0001-SO
Lab Sample ID: 240-22141-10
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 13:18
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.032	0.099	0.030	0.011	mg/Kg	J		1	6020/DOD
Aluminum	12000	3.0	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	91	0.099	0.050	0.018	mg/Kg			1	6020/DOD
Barium	520	0.99	0.020	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.48	0.099	0.0099	0.0074	mg/Kg			1	6020/DOD
Calcium	4900	9.9	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.11	0.099	0.030	0.013	mg/Kg			1	6020/DOD
Chromium	14	0.20	0.040	0.022	mg/Kg			1	6020/DOD
Cobalt	71	0.050	0.0099	0.0024	mg/Kg		Q	1	6020/DOD
Copper	110	0.20	0.059	0.033	mg/Kg		Q	1	6020/DOD
Iron	19000	5.0	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	3600	9.9	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	60000	50	3.0	1.6	mg/Kg		D	100	6020/DOD
Sodium	870	9.9	5.0	2.6	mg/Kg			1	6020/DOD
Nickel	29	0.099	0.030	0.011	mg/Kg			1	6020/DOD
Lead	130	0.099	0.030	0.015	mg/Kg			1	6020/DOD
Antimony	0.097	0.20	0.099	0.045	mg/Kg	J		1	6020/DOD
Thallium	0.97	0.099	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	26	0.099	0.059	0.030	mg/Kg			1	6020/DOD
Zinc	57	0.50	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	1700	9.9	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.41	0.50	0.099	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0193M-0001-SO
Lab Sample ID: 240-22141-11
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 15:30
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.037	0.088	0.027	0.010	mg/Kg	J		1	6020/DOD
Aluminum	13000	2.7	0.53	0.25	mg/Kg			1	6020/DOD
Arsenic	150	0.088	0.044	0.016	mg/Kg			1	6020/DOD
Barium	190	0.88	0.018	0.0095	mg/Kg		Q	1	6020/DOD
Beryllium	0.56	0.088	0.0088	0.0066	mg/Kg			1	6020/DOD
Calcium	2000	8.8	2.2	1.2	mg/Kg			1	6020/DOD
Cadmium	0.14	0.088	0.027	0.012	mg/Kg			1	6020/DOD
Chromium	14	0.18	0.035	0.020	mg/Kg			1	6020/DOD
Cobalt	23	0.044	0.0088	0.0021	mg/Kg		Q	1	6020/DOD
Copper	33	0.18	0.053	0.029	mg/Kg		Q	1	6020/DOD
Iron	22000	4.4	1.8	0.95	mg/Kg			1	6020/DOD
Magnesium	3000	8.8	1.8	0.95	mg/Kg			1	6020/DOD
Manganese	30000	44	2.7	1.4	mg/Kg		D	100	6020/DOD
Sodium	440	8.8	4.4	2.4	mg/Kg			1	6020/DOD
Nickel	23	0.088	0.027	0.010	mg/Kg			1	6020/DOD
Lead	120	0.088	0.027	0.014	mg/Kg			1	6020/DOD
Antimony	0.088	0.18	0.088	0.041	mg/Kg	U		1	6020/DOD
Thallium	0.71	0.088	0.018	0.0090	mg/Kg			1	6020/DOD
Vanadium	23	0.088	0.053	0.026	mg/Kg			1	6020/DOD
Zinc	57	0.44	0.18	0.057	mg/Kg		Q	1	6020/DOD
Potassium	2200	8.8	5.3	2.8	mg/Kg			1	6020/DOD
Selenium	0.40	0.44	0.088	0.045	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0195M-0001-SO
Lab Sample ID: 240-22141-12
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:46
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.023	0.094	0.028	0.011	mg/Kg	J		1	6020/DOD
Aluminum	14000	2.8	0.57	0.27	mg/Kg			1	6020/DOD
Arsenic	13	0.094	0.047	0.017	mg/Kg			1	6020/DOD
Barium	70	0.94	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.66	0.094	0.0094	0.0071	mg/Kg			1	6020/DOD
Calcium	620	9.4	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.11	0.094	0.028	0.012	mg/Kg			1	6020/DOD
Chromium	16	0.19	0.038	0.021	mg/Kg			1	6020/DOD
Cobalt	9.0	0.047	0.0094	0.0023	mg/Kg		Q	1	6020/DOD
Copper	19	0.19	0.057	0.031	mg/Kg		Q	1	6020/DOD
Iron	27000	4.7	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	3100	9.4	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	290	0.47	0.028	0.015	mg/Kg		Q	1	6020/DOD
Sodium	46	9.4	4.7	2.5	mg/Kg			1	6020/DOD
Nickel	20	0.094	0.028	0.011	mg/Kg			1	6020/DOD
Lead	13	0.094	0.028	0.015	mg/Kg			1	6020/DOD
Antimony	0.094	0.19	0.094	0.043	mg/Kg	U		1	6020/DOD
Thallium	0.17	0.094	0.019	0.0096	mg/Kg			1	6020/DOD
Vanadium	21	0.094	0.057	0.028	mg/Kg			1	6020/DOD
Zinc	52	0.47	0.19	0.061	mg/Kg		Q	1	6020/DOD
Potassium	1000	9.4	5.7	3.0	mg/Kg			1	6020/DOD
Selenium	0.32	0.47	0.094	0.048	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0196M-0001-SO
Lab Sample ID: 240-22141-13
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:47
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.024	0.090	0.027	0.010	mg/Kg	J		1	6020/DOD
Aluminum	9100	2.7	0.54	0.26	mg/Kg			1	6020/DOD
Arsenic	13	0.090	0.045	0.016	mg/Kg			1	6020/DOD
Barium	58	0.90	0.018	0.0096	mg/Kg		Q	1	6020/DOD
Beryllium	0.51	0.090	0.0090	0.0068	mg/Kg			1	6020/DOD
Calcium	230	9.0	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.082	0.090	0.027	0.012	mg/Kg	J		1	6020/DOD
Chromium	11	0.18	0.036	0.020	mg/Kg			1	6020/DOD
Cobalt	8.0	0.045	0.0090	0.0022	mg/Kg		Q	1	6020/DOD
Copper	14	0.18	0.054	0.030	mg/Kg		Q	1	6020/DOD
Iron	20000	4.5	1.8	0.97	mg/Kg			1	6020/DOD
Magnesium	2400	9.0	1.8	0.97	mg/Kg			1	6020/DOD
Manganese	260	0.45	0.027	0.014	mg/Kg		Q	1	6020/DOD
Sodium	56	9.0	4.5	2.4	mg/Kg			1	6020/DOD
Nickel	19	0.090	0.027	0.010	mg/Kg			1	6020/DOD
Lead	11	0.090	0.027	0.014	mg/Kg			1	6020/DOD
Antimony	0.090	0.18	0.090	0.041	mg/Kg	U		1	6020/DOD
Thallium	0.13	0.090	0.018	0.0092	mg/Kg			1	6020/DOD
Vanadium	13	0.090	0.054	0.027	mg/Kg			1	6020/DOD
Zinc	45	0.45	0.18	0.058	mg/Kg		Q	1	6020/DOD
Potassium	890	9.0	5.4	2.8	mg/Kg			1	6020/DOD
Selenium	0.19	0.45	0.090	0.046	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0197M-0001-SO
Lab Sample ID: 240-22141-14
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 14:25
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.014	0.090	0.027	0.010	mg/Kg	J		1	6020/DOD
Aluminum	8700	2.7	0.54	0.26	mg/Kg			1	6020/DOD
Arsenic	10	0.090	0.045	0.016	mg/Kg			1	6020/DOD
Barium	44	0.90	0.018	0.0096	mg/Kg		Q	1	6020/DOD
Beryllium	0.47	0.090	0.0090	0.0068	mg/Kg			1	6020/DOD
Calcium	160	9.0	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.085	0.090	0.027	0.012	mg/Kg	J		1	6020/DOD
Chromium	11	0.18	0.036	0.020	mg/Kg			1	6020/DOD
Cobalt	8.0	0.045	0.0090	0.0022	mg/Kg		Q	1	6020/DOD
Copper	12	0.18	0.054	0.030	mg/Kg		Q	1	6020/DOD
Iron	18000	4.5	1.8	0.97	mg/Kg			1	6020/DOD
Magnesium	2100	9.0	1.8	0.97	mg/Kg			1	6020/DOD
Manganese	190	0.45	0.027	0.014	mg/Kg		Q	1	6020/DOD
Sodium	31	9.0	4.5	2.4	mg/Kg			1	6020/DOD
Nickel	16	0.090	0.027	0.010	mg/Kg			1	6020/DOD
Lead	8.4	0.090	0.027	0.014	mg/Kg			1	6020/DOD
Antimony	0.090	0.18	0.090	0.041	mg/Kg	U		1	6020/DOD
Thallium	0.11	0.090	0.018	0.0092	mg/Kg			1	6020/DOD
Vanadium	12	0.090	0.054	0.027	mg/Kg			1	6020/DOD
Zinc	37	0.45	0.18	0.058	mg/Kg		Q	1	6020/DOD
Potassium	880	9.0	5.4	2.8	mg/Kg			1	6020/DOD
Selenium	0.14	0.45	0.090	0.046	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0198M-0001-SO
Lab Sample ID: 240-22141-15
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 13:40
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.016	0.087	0.026	0.0099	mg/Kg	J		1	6020/DOD
Aluminum	8700	2.6	0.52	0.25	mg/Kg			1	6020/DOD
Arsenic	13	0.087	0.043	0.016	mg/Kg			1	6020/DOD
Barium	45	0.87	0.017	0.0093	mg/Kg		Q	1	6020/DOD
Beryllium	0.45	0.087	0.0087	0.0065	mg/Kg			1	6020/DOD
Calcium	130	8.7	2.2	1.2	mg/Kg			1	6020/DOD
Cadmium	0.078	0.087	0.026	0.011	mg/Kg	J		1	6020/DOD
Chromium	10	0.17	0.035	0.019	mg/Kg			1	6020/DOD
Cobalt	11	0.043	0.0087	0.0021	mg/Kg		Q	1	6020/DOD
Copper	13	0.17	0.052	0.029	mg/Kg		Q	1	6020/DOD
Iron	19000	4.3	1.7	0.94	mg/Kg			1	6020/DOD
Magnesium	1900	8.7	1.7	0.94	mg/Kg			1	6020/DOD
Manganese	290	0.43	0.026	0.014	mg/Kg		Q	1	6020/DOD
Sodium	27	8.7	4.3	2.3	mg/Kg			1	6020/DOD
Nickel	14	0.087	0.026	0.0098	mg/Kg			1	6020/DOD
Lead	11	0.087	0.026	0.013	mg/Kg			1	6020/DOD
Antimony	0.087	0.17	0.087	0.040	mg/Kg	U		1	6020/DOD
Thallium	0.12	0.087	0.017	0.0089	mg/Kg			1	6020/DOD
Vanadium	13	0.087	0.052	0.026	mg/Kg			1	6020/DOD
Zinc	35	0.43	0.17	0.056	mg/Kg		Q	1	6020/DOD
Potassium	770	8.7	5.2	2.7	mg/Kg			1	6020/DOD
Selenium	0.17	0.43	0.087	0.044	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0199M-0001-SO
Lab Sample ID: 240-22141-16
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:33
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.018	0.092	0.028	0.010	mg/Kg	J		1	6020/DOD
Aluminum	7600	2.8	0.55	0.26	mg/Kg			1	6020/DOD
Arsenic	16	0.092	0.046	0.017	mg/Kg			1	6020/DOD
Barium	93	0.92	0.018	0.0098	mg/Kg		Q	1	6020/DOD
Beryllium	0.52	0.092	0.0092	0.0069	mg/Kg			1	6020/DOD
Calcium	3600	9.2	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.11	0.092	0.028	0.012	mg/Kg			1	6020/DOD
Chromium	11	0.18	0.037	0.020	mg/Kg			1	6020/DOD
Cobalt	10	0.046	0.0092	0.0022	mg/Kg		Q	1	6020/DOD
Copper	12	0.18	0.055	0.030	mg/Kg		Q	1	6020/DOD
Iron	24000	4.6	1.8	0.99	mg/Kg			1	6020/DOD
Magnesium	2000	9.2	1.8	0.99	mg/Kg			1	6020/DOD
Manganese	2000	0.46	0.028	0.015	mg/Kg		Q	1	6020/DOD
Sodium	68	9.2	4.6	2.4	mg/Kg			1	6020/DOD
Nickel	24	0.092	0.028	0.010	mg/Kg			1	6020/DOD
Lead	11	0.092	0.028	0.014	mg/Kg			1	6020/DOD
Antimony	0.046	0.18	0.092	0.042	mg/Kg	J		1	6020/DOD
Thallium	0.19	0.092	0.018	0.0094	mg/Kg			1	6020/DOD
Vanadium	12	0.092	0.055	0.027	mg/Kg			1	6020/DOD
Zinc	37	0.46	0.18	0.059	mg/Kg		Q	1	6020/DOD
Potassium	740	9.2	5.5	2.9	mg/Kg			1	6020/DOD
Selenium	0.20	0.46	0.092	0.047	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0200M-0001-SO
Lab Sample ID: 240-22141-17
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 11:43
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.018	0.098	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	8700	2.9	0.59	0.28	mg/Kg			1	6020/DOD
Arsenic	11	0.098	0.049	0.018	mg/Kg			1	6020/DOD
Barium	65	0.98	0.020	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.44	0.098	0.0098	0.0074	mg/Kg			1	6020/DOD
Calcium	770	9.8	2.5	1.3	mg/Kg			1	6020/DOD
Cadmium	0.082	0.098	0.029	0.013	mg/Kg	J		1	6020/DOD
Chromium	11	0.20	0.039	0.022	mg/Kg			1	6020/DOD
Cobalt	6.9	0.049	0.0098	0.0024	mg/Kg		Q	1	6020/DOD
Copper	12	0.20	0.059	0.032	mg/Kg		Q	1	6020/DOD
Iron	20000	4.9	2.0	1.1	mg/Kg			1	6020/DOD
Magnesium	2000	9.8	2.0	1.1	mg/Kg			1	6020/DOD
Manganese	430	0.49	0.029	0.016	mg/Kg		Q	1	6020/DOD
Sodium	32	9.8	4.9	2.6	mg/Kg			1	6020/DOD
Nickel	16	0.098	0.029	0.011	mg/Kg			1	6020/DOD
Lead	9.9	0.098	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.098	0.20	0.098	0.045	mg/Kg	U		1	6020/DOD
Thallium	0.12	0.098	0.020	0.010	mg/Kg			1	6020/DOD
Vanadium	14	0.098	0.059	0.029	mg/Kg			1	6020/DOD
Zinc	32	0.49	0.20	0.064	mg/Kg		Q	1	6020/DOD
Potassium	770	9.8	5.9	3.1	mg/Kg			1	6020/DOD
Selenium	0.21	0.49	0.098	0.050	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0201M-0001-SO
Lab Sample ID: 240-22141-18
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:55
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.015	0.088	0.026	0.010	mg/Kg	J		1	6020/DOD
Aluminum	8100	2.6	0.53	0.25	mg/Kg			1	6020/DOD
Arsenic	12	0.088	0.044	0.016	mg/Kg			1	6020/DOD
Barium	47	0.88	0.018	0.0094	mg/Kg		Q	1	6020/DOD
Beryllium	0.44	0.088	0.0088	0.0066	mg/Kg			1	6020/DOD
Calcium	270	8.8	2.2	1.2	mg/Kg			1	6020/DOD
Cadmium	0.082	0.088	0.026	0.012	mg/Kg	J		1	6020/DOD
Chromium	10	0.18	0.035	0.020	mg/Kg			1	6020/DOD
Cobalt	8.9	0.044	0.0088	0.0021	mg/Kg		Q	1	6020/DOD
Copper	14	0.18	0.053	0.029	mg/Kg		Q	1	6020/DOD
Iron	19000	4.4	1.8	0.94	mg/Kg			1	6020/DOD
Magnesium	1900	8.8	1.8	0.95	mg/Kg			1	6020/DOD
Manganese	340	0.44	0.026	0.014	mg/Kg		Q	1	6020/DOD
Sodium	28	8.8	4.4	2.3	mg/Kg			1	6020/DOD
Nickel	16	0.088	0.026	0.0099	mg/Kg			1	6020/DOD
Lead	11	0.088	0.026	0.014	mg/Kg			1	6020/DOD
Antimony	0.088	0.18	0.088	0.040	mg/Kg	U		1	6020/DOD
Thallium	0.11	0.088	0.018	0.0089	mg/Kg			1	6020/DOD
Vanadium	11	0.088	0.053	0.026	mg/Kg			1	6020/DOD
Zinc	41	0.44	0.18	0.057	mg/Kg		Q	1	6020/DOD
Potassium	800	8.8	5.3	2.8	mg/Kg			1	6020/DOD
Selenium	0.16	0.44	0.088	0.045	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0202-0001-SO
Lab Sample ID: 240-22141-19
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:53
Reporting Basis: DRY
Date Received: 03/19/2013 17:16
% Solids: 81.9

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.046	0.11	0.032	0.012	mg/Kg	J		1	6020/DOD
Aluminum	13000	3.2	0.64	0.31	mg/Kg			1	6020/DOD
Arsenic	13	0.11	0.054	0.019	mg/Kg			1	6020/DOD
Barium	120	1.1	0.021	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.90	0.11	0.011	0.0080	mg/Kg			1	6020/DOD
Calcium	780	11	2.7	1.4	mg/Kg			1	6020/DOD
Cadmium	0.14	0.11	0.032	0.014	mg/Kg			1	6020/DOD
Chromium	14	0.21	0.043	0.024	mg/Kg			1	6020/DOD
Cobalt	18	0.054	0.011	0.0026	mg/Kg		Q	1	6020/DOD
Copper	5.0	0.21	0.064	0.035	mg/Kg		Q	1	6020/DOD
Iron	30000	5.4	2.1	1.2	mg/Kg			1	6020/DOD
Magnesium	1600	11	2.1	1.2	mg/Kg			1	6020/DOD
Manganese	4700	5.4	0.32	0.17	mg/Kg		D	10	6020/DOD
Sodium	31	11	5.4	2.8	mg/Kg			1	6020/DOD
Nickel	12	0.11	0.032	0.012	mg/Kg			1	6020/DOD
Lead	19	0.11	0.032	0.017	mg/Kg			1	6020/DOD
Antimony	0.11	0.21	0.11	0.049	mg/Kg	U		1	6020/DOD
Thallium	0.21	0.11	0.021	0.011	mg/Kg			1	6020/DOD
Vanadium	32	0.11	0.064	0.032	mg/Kg			1	6020/DOD
Zinc	43	0.54	0.21	0.069	mg/Kg		Q	1	6020/DOD
Potassium	630	11	6.4	3.4	mg/Kg			1	6020/DOD
Selenium	0.60	0.54	0.11	0.055	mg/Kg			1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0203-0001-SO
Lab Sample ID: 240-22141-20
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 12:55
Reporting Basis: DRY
Date Received: 03/19/2013 17:16
% Solids: 81.5

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.037	0.11	0.032	0.012	mg/Kg	J		1	6020/DOD
Aluminum	15000	3.2	0.65	0.31	mg/Kg			1	6020/DOD
Arsenic	12	0.11	0.054	0.019	mg/Kg			1	6020/DOD
Barium	74	1.1	0.022	0.012	mg/Kg		Q	1	6020/DOD
Beryllium	0.73	0.11	0.011	0.0081	mg/Kg			1	6020/DOD
Calcium	570	11	2.7	1.4	mg/Kg			1	6020/DOD
Cadmium	0.063	0.11	0.032	0.014	mg/Kg	J		1	6020/DOD
Chromium	17	0.22	0.043	0.024	mg/Kg			1	6020/DOD
Cobalt	9.0	0.054	0.011	0.0026	mg/Kg		Q	1	6020/DOD
Copper	7.6	0.22	0.065	0.036	mg/Kg		Q	1	6020/DOD
Iron	30000	5.4	2.2	1.2	mg/Kg			1	6020/DOD
Magnesium	2100	11	2.2	1.2	mg/Kg			1	6020/DOD
Manganese	880	0.54	0.032	0.017	mg/Kg		Q	1	6020/DOD
Sodium	36	11	5.4	2.9	mg/Kg			1	6020/DOD
Nickel	12	0.11	0.032	0.012	mg/Kg			1	6020/DOD
Lead	14	0.11	0.032	0.017	mg/Kg			1	6020/DOD
Antimony	0.11	0.22	0.11	0.049	mg/Kg	U		1	6020/DOD
Thallium	0.16	0.11	0.022	0.011	mg/Kg			1	6020/DOD
Vanadium	30	0.11	0.065	0.032	mg/Kg			1	6020/DOD
Zinc	45	0.54	0.22	0.070	mg/Kg		Q	1	6020/DOD
Potassium	850	11	6.5	3.4	mg/Kg			1	6020/DOD
Selenium	0.64	0.54	0.11	0.055	mg/Kg			1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0204M-0001-SO
Lab Sample ID: 240-22141-21
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 18:08
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.026	0.091	0.027	0.010	mg/Kg	J		1	6020/DOD
Aluminum	14000	2.7	0.55	0.26	mg/Kg		J	1	6020/DOD
Arsenic	13	0.091	0.045	0.016	mg/Kg			1	6020/DOD
Barium	82	0.91	0.018	0.0097	mg/Kg		Q	1	6020/DOD
Beryllium	0.70	0.091	0.0091	0.0068	mg/Kg			1	6020/DOD
Calcium	400	9.1	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.15	0.091	0.027	0.012	mg/Kg			1	6020/DOD
Chromium	16	0.18	0.036	0.020	mg/Kg			1	6020/DOD
Cobalt	13	0.045	0.0091	0.0022	mg/Kg		Q	1	6020/DOD
Copper	20	0.18	0.055	0.030	mg/Kg		Q	1	6020/DOD
Iron	25000	4.5	1.8	0.98	mg/Kg		J	1	6020/DOD
Magnesium	3300	9.1	1.8	0.98	mg/Kg			1	6020/DOD
Manganese	760	0.45	0.027	0.014	mg/Kg		Q J	1	6020/DOD
Sodium	50	9.1	4.5	2.4	mg/Kg			1	6020/DOD
Nickel	27	0.091	0.027	0.010	mg/Kg			1	6020/DOD
Lead	13	0.091	0.027	0.014	mg/Kg			1	6020/DOD
Antimony	0.045	0.18	0.091	0.042	mg/Kg	J	J	1	6020/DOD
Thallium	0.18	0.091	0.018	0.0093	mg/Kg			1	6020/DOD
Vanadium	19	0.091	0.055	0.027	mg/Kg			1	6020/DOD
Zinc	70	0.45	0.18	0.059	mg/Kg		Q	1	6020/DOD
Potassium	1100	9.1	5.5	2.9	mg/Kg			1	6020/DOD
Selenium	0.34	0.45	0.091	0.046	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0206M-0001-SO
Lab Sample ID: 240-22141-22
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 18:10
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.017	0.093	0.028	0.011	mg/Kg	J		1	6020/DOD
Aluminum	4400	2.8	0.56	0.26	mg/Kg			1	6020/DOD
Arsenic	14	0.093	0.046	0.017	mg/Kg			1	6020/DOD
Barium	40	0.93	0.019	0.0099	mg/Kg		Q	1	6020/DOD
Beryllium	0.25	0.093	0.0093	0.0069	mg/Kg			1	6020/DOD
Calcium	230	9.3	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.12	0.093	0.028	0.012	mg/Kg			1	6020/DOD
Chromium	6.8	0.19	0.037	0.021	mg/Kg			1	6020/DOD
Cobalt	5.5	0.046	0.0093	0.0022	mg/Kg		Q	1	6020/DOD
Copper	8.2	0.19	0.056	0.031	mg/Kg		Q	1	6020/DOD
Iron	12000	4.6	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	1100	9.3	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	550	0.46	0.028	0.015	mg/Kg		Q	1	6020/DOD
Sodium	26	9.3	4.6	2.5	mg/Kg			1	6020/DOD
Nickel	14	0.093	0.028	0.010	mg/Kg			1	6020/DOD
Lead	7.4	0.093	0.028	0.014	mg/Kg			1	6020/DOD
Antimony	0.21	0.19	0.093	0.043	mg/Kg			1	6020/DOD
Thallium	0.10	0.093	0.019	0.0094	mg/Kg			1	6020/DOD
Vanadium	7.3	0.093	0.056	0.028	mg/Kg			1	6020/DOD
Zinc	43	0.46	0.19	0.060	mg/Kg		Q	1	6020/DOD
Potassium	560	9.3	5.6	2.9	mg/Kg			1	6020/DOD
Selenium	0.098	0.46	0.093	0.047	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0207M-0001-SO
Lab Sample ID: 240-22141-23
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 15:56
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.020	0.085	0.026	0.0097	mg/Kg	J		1	6020/DOD
Aluminum	7700	2.6	0.51	0.24	mg/Kg			1	6020/DOD
Arsenic	10	0.085	0.043	0.015	mg/Kg			1	6020/DOD
Barium	50	0.85	0.017	0.0091	mg/Kg		Q	1	6020/DOD
Beryllium	0.43	0.085	0.0085	0.0064	mg/Kg			1	6020/DOD
Calcium	140	8.5	2.1	1.1	mg/Kg			1	6020/DOD
Cadmium	0.11	0.085	0.026	0.011	mg/Kg			1	6020/DOD
Chromium	10	0.17	0.034	0.019	mg/Kg			1	6020/DOD
Cobalt	10	0.043	0.0085	0.0021	mg/Kg		Q	1	6020/DOD
Copper	11	0.17	0.051	0.028	mg/Kg		Q	1	6020/DOD
Iron	18000	4.3	1.7	0.92	mg/Kg			1	6020/DOD
Magnesium	1800	8.5	1.7	0.92	mg/Kg			1	6020/DOD
Manganese	1100	0.43	0.026	0.014	mg/Kg		Q	1	6020/DOD
Sodium	29	8.5	4.3	2.3	mg/Kg			1	6020/DOD
Nickel	20	0.085	0.026	0.0097	mg/Kg			1	6020/DOD
Lead	9.0	0.085	0.026	0.013	mg/Kg			1	6020/DOD
Antimony	0.056	0.17	0.085	0.039	mg/Kg	J		1	6020/DOD
Thallium	0.11	0.085	0.017	0.0087	mg/Kg			1	6020/DOD
Vanadium	11	0.085	0.051	0.026	mg/Kg			1	6020/DOD
Zinc	54	0.43	0.17	0.055	mg/Kg		Q	1	6020/DOD
Potassium	830	8.5	5.1	2.7	mg/Kg			1	6020/DOD
Selenium	0.20	0.43	0.085	0.044	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0208M-0001-SO
Lab Sample ID: 240-22141-24
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 16:10
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.030	0.085	0.025	0.0097	mg/Kg	J		1	6020/DOD
Aluminum	12000	2.5	0.51	0.24	mg/Kg			1	6020/DOD
Arsenic	12	0.085	0.042	0.015	mg/Kg			1	6020/DOD
Barium	70	0.85	0.017	0.0091	mg/Kg		Q	1	6020/DOD
Beryllium	0.70	0.085	0.0085	0.0064	mg/Kg			1	6020/DOD
Calcium	430	8.5	2.1	1.1	mg/Kg			1	6020/DOD
Cadmium	0.14	0.085	0.025	0.011	mg/Kg			1	6020/DOD
Chromium	14	0.17	0.034	0.019	mg/Kg			1	6020/DOD
Cobalt	10	0.042	0.0085	0.0020	mg/Kg		Q	1	6020/DOD
Copper	18	0.17	0.051	0.028	mg/Kg		Q	1	6020/DOD
Iron	26000	4.2	1.7	0.91	mg/Kg			1	6020/DOD
Magnesium	3100	8.5	1.7	0.91	mg/Kg			1	6020/DOD
Manganese	380	0.42	0.025	0.013	mg/Kg		Q	1	6020/DOD
Sodium	43	8.5	4.2	2.3	mg/Kg			1	6020/DOD
Nickel	23	0.085	0.025	0.0096	mg/Kg			1	6020/DOD
Lead	13	0.085	0.025	0.013	mg/Kg			1	6020/DOD
Antimony	0.039	0.17	0.085	0.039	mg/Kg	J		1	6020/DOD
Thallium	0.16	0.085	0.017	0.0086	mg/Kg			1	6020/DOD
Vanadium	18	0.085	0.051	0.025	mg/Kg			1	6020/DOD
Zinc	67	0.42	0.17	0.055	mg/Kg		Q	1	6020/DOD
Potassium	1000	8.5	5.1	2.7	mg/Kg			1	6020/DOD
Selenium	0.29	0.42	0.085	0.043	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0209M-0001-SO
Lab Sample ID: 240-22141-25
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 18:05
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.021	0.092	0.028	0.010	mg/Kg	J		1	6020/DOD
Aluminum	10000	2.8	0.55	0.26	mg/Kg			1	6020/DOD
Arsenic	16	0.092	0.046	0.017	mg/Kg			1	6020/DOD
Barium	55	0.92	0.018	0.0098	mg/Kg		Q	1	6020/DOD
Beryllium	0.55	0.092	0.0092	0.0069	mg/Kg			1	6020/DOD
Calcium	490	9.2	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.11	0.092	0.028	0.012	mg/Kg			1	6020/DOD
Chromium	13	0.18	0.037	0.020	mg/Kg			1	6020/DOD
Cobalt	13	0.046	0.0092	0.0022	mg/Kg		Q	1	6020/DOD
Copper	16	0.18	0.055	0.030	mg/Kg		Q	1	6020/DOD
Iron	22000	4.6	1.8	0.99	mg/Kg			1	6020/DOD
Magnesium	2400	9.2	1.8	0.99	mg/Kg			1	6020/DOD
Manganese	270	0.46	0.028	0.015	mg/Kg		Q	1	6020/DOD
Sodium	43	9.2	4.6	2.4	mg/Kg			1	6020/DOD
Nickel	31	0.092	0.028	0.010	mg/Kg			1	6020/DOD
Lead	11	0.092	0.028	0.014	mg/Kg			1	6020/DOD
Antimony	0.092	0.18	0.092	0.042	mg/Kg	U		1	6020/DOD
Thallium	0.17	0.092	0.018	0.0094	mg/Kg			1	6020/DOD
Vanadium	14	0.092	0.055	0.027	mg/Kg			1	6020/DOD
Zinc	52	0.46	0.18	0.059	mg/Kg		Q	1	6020/DOD
Potassium	1000	9.2	5.5	2.9	mg/Kg			1	6020/DOD
Selenium	0.27	0.46	0.092	0.047	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0210M-0001-SO
Lab Sample ID: 240-22141-26
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 18:15
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.018	0.090	0.027	0.010	mg/Kg	J		1	6020/DOD
Aluminum	7500	2.7	0.54	0.26	mg/Kg			1	6020/DOD
Arsenic	18	0.090	0.045	0.016	mg/Kg			1	6020/DOD
Barium	37	0.90	0.018	0.0096	mg/Kg		Q	1	6020/DOD
Beryllium	0.36	0.090	0.0090	0.0068	mg/Kg			1	6020/DOD
Calcium	270	9.0	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.089	0.090	0.027	0.012	mg/Kg	J		1	6020/DOD
Chromium	9.6	0.18	0.036	0.020	mg/Kg			1	6020/DOD
Cobalt	6.0	0.045	0.0090	0.0022	mg/Kg		Q	1	6020/DOD
Copper	9.5	0.18	0.054	0.030	mg/Kg		Q	1	6020/DOD
Iron	15000	4.5	1.8	0.97	mg/Kg			1	6020/DOD
Magnesium	1700	9.0	1.8	0.97	mg/Kg			1	6020/DOD
Manganese	150	0.45	0.027	0.014	mg/Kg		Q	1	6020/DOD
Sodium	28	9.0	4.5	2.4	mg/Kg			1	6020/DOD
Nickel	17	0.090	0.027	0.010	mg/Kg			1	6020/DOD
Lead	8.1	0.090	0.027	0.014	mg/Kg			1	6020/DOD
Antimony	0.090	0.18	0.090	0.041	mg/Kg	U		1	6020/DOD
Thallium	0.13	0.090	0.018	0.0092	mg/Kg			1	6020/DOD
Vanadium	12	0.090	0.054	0.027	mg/Kg			1	6020/DOD
Zinc	43	0.45	0.18	0.058	mg/Kg		Q	1	6020/DOD
Potassium	720	9.0	5.4	2.8	mg/Kg			1	6020/DOD
Selenium	0.19	0.45	0.090	0.046	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SB-0211M-0001-SO
Lab Sample ID: 240-22141-27
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 16:00
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.018	0.091	0.027	0.010	mg/Kg	J		1	6020/DOD
Aluminum	8800	2.7	0.55	0.26	mg/Kg			1	6020/DOD
Arsenic	18	0.091	0.045	0.016	mg/Kg			1	6020/DOD
Barium	76	0.91	0.018	0.0097	mg/Kg		Q	1	6020/DOD
Beryllium	0.47	0.091	0.0091	0.0068	mg/Kg			1	6020/DOD
Calcium	320	9.1	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.30	0.091	0.027	0.012	mg/Kg			1	6020/DOD
Chromium	12	0.18	0.036	0.020	mg/Kg			1	6020/DOD
Cobalt	10	0.045	0.0091	0.0022	mg/Kg		Q	1	6020/DOD
Copper	13	0.18	0.055	0.030	mg/Kg		Q	1	6020/DOD
Iron	18000	4.5	1.8	0.98	mg/Kg			1	6020/DOD
Magnesium	2300	9.1	1.8	0.98	mg/Kg			1	6020/DOD
Manganese	860	0.45	0.027	0.014	mg/Kg		Q	1	6020/DOD
Sodium	31	9.1	4.5	2.4	mg/Kg			1	6020/DOD
Nickel	20	0.091	0.027	0.010	mg/Kg			1	6020/DOD
Lead	9.8	0.091	0.027	0.014	mg/Kg			1	6020/DOD
Antimony	0.091	0.18	0.091	0.042	mg/Kg	U		1	6020/DOD
Thallium	0.13	0.091	0.018	0.0093	mg/Kg			1	6020/DOD
Vanadium	13	0.091	0.055	0.027	mg/Kg			1	6020/DOD
Zinc	76	0.45	0.18	0.059	mg/Kg		Q	1	6020/DOD
Potassium	830	9.1	5.5	2.9	mg/Kg			1	6020/DOD
Selenium	0.21	0.45	0.091	0.046	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0212-0001-SO
Lab Sample ID: 240-22141-28
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 16:40
Reporting Basis: DRY
Date Received: 03/19/2013 17:16
% Solids: 81.8

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.029	0.11	0.032	0.012	mg/Kg	J		1	6020/DOD
Aluminum	11000	3.2	0.64	0.31	mg/Kg			1	6020/DOD
Arsenic	7.8	0.11	0.054	0.019	mg/Kg			1	6020/DOD
Barium	51	1.1	0.021	0.011	mg/Kg		Q	1	6020/DOD
Beryllium	0.29	0.11	0.011	0.0080	mg/Kg			1	6020/DOD
Calcium	440	11	2.7	1.4	mg/Kg			1	6020/DOD
Cadmium	0.059	0.11	0.032	0.014	mg/Kg	J		1	6020/DOD
Chromium	11	0.21	0.043	0.024	mg/Kg			1	6020/DOD
Cobalt	2.6	0.054	0.011	0.0026	mg/Kg		Q	1	6020/DOD
Copper	4.7	0.21	0.064	0.035	mg/Kg		Q	1	6020/DOD
Iron	16000	5.4	2.1	1.2	mg/Kg			1	6020/DOD
Magnesium	1300	11	2.1	1.2	mg/Kg			1	6020/DOD
Manganese	220	0.54	0.032	0.017	mg/Kg		Q	1	6020/DOD
Sodium	28	11	5.4	2.9	mg/Kg			1	6020/DOD
Nickel	6.9	0.11	0.032	0.012	mg/Kg			1	6020/DOD
Lead	11	0.11	0.032	0.017	mg/Kg			1	6020/DOD
Antimony	0.11	0.21	0.11	0.049	mg/Kg	U		1	6020/DOD
Thallium	0.16	0.11	0.021	0.011	mg/Kg			1	6020/DOD
Vanadium	22	0.11	0.064	0.032	mg/Kg			1	6020/DOD
Zinc	31	0.54	0.21	0.069	mg/Kg		Q	1	6020/DOD
Potassium	500	11	6.4	3.4	mg/Kg			1	6020/DOD
Selenium	0.30	0.54	0.11	0.055	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0213-0001-SO
Lab Sample ID: 240-22141-29
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 16:42
Reporting Basis: DRY
Date Received: 03/19/2013 17:16
% Solids: 81.8

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.026	0.11	0.034	0.013	mg/Kg	J		1	6020/DOD
Aluminum	14000	3.4	0.68	0.32	mg/Kg			1	6020/DOD
Arsenic	21	0.11	0.057	0.020	mg/Kg			1	6020/DOD
Barium	56	1.1	0.023	0.012	mg/Kg		Q	1	6020/DOD
Beryllium	0.57	0.11	0.011	0.0085	mg/Kg			1	6020/DOD
Calcium	460	11	2.8	1.5	mg/Kg			1	6020/DOD
Cadmium	0.095	0.11	0.034	0.015	mg/Kg	J		1	6020/DOD
Chromium	16	0.23	0.045	0.025	mg/Kg			1	6020/DOD
Cobalt	3.6	0.057	0.011	0.0027	mg/Kg		Q	1	6020/DOD
Copper	13	0.23	0.068	0.037	mg/Kg		Q	1	6020/DOD
Iron	30000	5.7	2.3	1.2	mg/Kg			1	6020/DOD
Magnesium	1700	11	2.3	1.2	mg/Kg			1	6020/DOD
Manganese	220	0.57	0.034	0.018	mg/Kg		Q	1	6020/DOD
Sodium	30	11	5.7	3.0	mg/Kg			1	6020/DOD
Nickel	10	0.11	0.034	0.013	mg/Kg			1	6020/DOD
Lead	16	0.11	0.034	0.017	mg/Kg			1	6020/DOD
Antimony	0.11	0.23	0.11	0.052	mg/Kg	U		1	6020/DOD
Thallium	0.17	0.11	0.023	0.012	mg/Kg			1	6020/DOD
Vanadium	29	0.11	0.068	0.034	mg/Kg			1	6020/DOD
Zinc	35	0.57	0.23	0.073	mg/Kg		Q	1	6020/DOD
Potassium	680	11	6.8	3.6	mg/Kg			1	6020/DOD
Selenium	0.45	0.57	0.11	0.058	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0317M-0001-SO
Lab Sample ID: 240-22141-30
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 17:00
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.093	0.086	0.026	0.0098	mg/Kg			1	6020/DOD
Aluminum	12000	2.6	0.52	0.25	mg/Kg			1	6020/DOD
Arsenic	17	0.086	0.043	0.016	mg/Kg			1	6020/DOD
Barium	550	0.86	0.017	0.0092	mg/Kg		Q	1	6020/DOD
Beryllium	0.56	0.086	0.0086	0.0065	mg/Kg			1	6020/DOD
Calcium	490	8.6	2.2	1.1	mg/Kg			1	6020/DOD
Cadmium	0.14	0.086	0.026	0.011	mg/Kg			1	6020/DOD
Chromium	42	0.17	0.034	0.019	mg/Kg			1	6020/DOD
Cobalt	9.7	0.043	0.0086	0.0021	mg/Kg		Q	1	6020/DOD
Copper	11	0.17	0.052	0.028	mg/Kg		Q	1	6020/DOD
Iron	19000	4.3	1.7	0.93	mg/Kg			1	6020/DOD
Magnesium	2400	8.6	1.7	0.93	mg/Kg			1	6020/DOD
Manganese	4400	4.3	0.26	0.14	mg/Kg		D	10	6020/DOD
Sodium	34	8.6	4.3	2.3	mg/Kg			1	6020/DOD
Nickel	42	0.086	0.026	0.0097	mg/Kg			1	6020/DOD
Lead	17	0.086	0.026	0.013	mg/Kg			1	6020/DOD
Antimony	0.044	0.17	0.086	0.040	mg/Kg	J		1	6020/DOD
Thallium	0.52	0.086	0.017	0.0088	mg/Kg			1	6020/DOD
Vanadium	22	0.086	0.052	0.026	mg/Kg			1	6020/DOD
Zinc	49	0.43	0.17	0.056	mg/Kg		Q	1	6020/DOD
Potassium	610	8.6	5.2	2.7	mg/Kg			1	6020/DOD
Selenium	0.45	0.43	0.086	0.044	mg/Kg			1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 079SS-0318M-0001-SO
Lab Sample ID: 240-22141-31
Lab Name: TestAmerica Pittsburgh
Job No.: 240-22141-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/18/2013 17:05
Reporting Basis: WET
Date Received: 03/19/2013 17:16

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.037	0.095	0.029	0.011	mg/Kg	J		1	6020/DOD
Aluminum	11000	2.9	0.57	0.27	mg/Kg			1	6020/DOD
Arsenic	11	0.095	0.048	0.017	mg/Kg			1	6020/DOD
Barium	72	0.95	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.54	0.095	0.0095	0.0071	mg/Kg			1	6020/DOD
Calcium	1200	9.5	2.4	1.3	mg/Kg			1	6020/DOD
Cadmium	0.16	0.095	0.029	0.013	mg/Kg			1	6020/DOD
Chromium	54	0.19	0.038	0.021	mg/Kg			1	6020/DOD
Cobalt	8.6	0.048	0.0095	0.0023	mg/Kg		Q	1	6020/DOD
Copper	8.9	0.19	0.057	0.031	mg/Kg		Q	1	6020/DOD
Iron	20000	4.8	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	6800	9.5	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	4100	4.8	0.29	0.15	mg/Kg		D	10	6020/DOD
Sodium	38	9.5	4.8	2.5	mg/Kg			1	6020/DOD
Nickel	100	0.095	0.029	0.011	mg/Kg			1	6020/DOD
Lead	13	0.095	0.029	0.015	mg/Kg			1	6020/DOD
Antimony	0.095	0.19	0.095	0.044	mg/Kg	U		1	6020/DOD
Thallium	0.14	0.095	0.019	0.0097	mg/Kg			1	6020/DOD
Vanadium	20	0.095	0.057	0.028	mg/Kg			1	6020/DOD
Zinc	42	0.48	0.19	0.062	mg/Kg		Q	1	6020/DOD
Potassium	640	9.5	5.7	3.0	mg/Kg			1	6020/DOD
Selenium	0.37	0.48	0.095	0.048	mg/Kg	J		1	6020/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00339

Analyte	ICV 240-79547/7-A 03/27/2013 09:34				CCV 240-79547/10-A 03/27/2013 09:45				CCV 240-79547/10-A 03/27/2013 10:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.66		2.50	106	4.97		5.00	99	5.03		5.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00339

Analyte	CCV 240-79547/10-A 03/27/2013 10:21				CCV 240-79547/10-A 03/27/2013 17:04				CCV 240-79547/10-A 03/27/2013 17:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.06		5.00	101	4.82		5.00	96	4.89		5.00	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00339

Analyte	CCV 240-79547/10-A 03/27/2013 17:38				CCV 240-79547/10-A 03/27/2013 17:57							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.01		5.00	100	4.97		5.00	99				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00345

Analyte	ICV 240-80224/7-A 04/02/2013 11:59				CCV 240-80224/10-A 04/02/2013 13:40				CCV 240-80224/10-A 04/02/2013 13:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.47		2.50	99	5.04		5.00	101	5.01		5.00	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

ICV Source: MTHgStd_00009 Concentration Units: ug/L

CCV Source: MTHGCALW_00345

Analyte	CCV 240-80224/10-A 04/02/2013 14:14											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.04		5.00	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: CCVHL1_00002

Analyte	ICV 180-68949/5 04/10/2013 20:05				CCV 180-68949/8 04/10/2013 20:29							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	404		400	101	500000	U	500000	100				
Barium	80.7		80.0	101	15300	U	15000	102				
Chromium	82.1		80.0	103	20200	U	20000	101				
Copper	81.6		80.0	102	19900	U	20000	100				
Iron	20200		20000	101	471000	U	500000	94				
Lead	82.4		80.0	103	19900	U	20000	99				
Manganese	383		400	96	19500	U	20000	97				
Nickel	81.3		80.0	102	9980	U	10000	100				
Zinc	83.7		80.0	105	20800	U	20000	104				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: CCVHL2_00002

Analyte	ICV 180-68949/5 04/10/2013 20:05				CCV 180-68949/9 04/10/2013 20:37							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	40600		40000	101	968000		1000000	97				
Magnesium	39100		40000	98	989000		1000000	99				
Potassium	40600		40000	101	484000		500000	97				
Sodium	39800		40000	100	493000		500000	99				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: MCCV1X_00039

Analyte	ICV 180-68949/5 04/10/2013 20:05				CCV 180-68949/12 04/10/2013 21:02				CCV 180-68949/24 04/10/2013 22:41			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	404		400	101	505		500	101	508		500	102
Antimony	78.4		80.0	98	97.4		100	97	98.2		100	98
Arsenic	79.1		80.0	99	98.3		100	98	99.0		100	99
Barium	80.7		80.0	101	99.3		100	99	99.8		100	100
Beryllium	78.1		80.0	98	101		100	101	102		100	102
Cadmium	78.3		80.0	98	98.0		100	98	97.9		100	98
Calcium	40600		40000	101	49400		50000	99	50100		50000	100
Chromium	82.1		80.0	103	98.0		100	98	98.5		100	99
Cobalt	81.7		80.0	102	99.3		100	99	99.9		100	100
Copper	81.6		80.0	102	99.9		100	100	100		100	100
Iron	20200		20000	101	24900		25000	100	25300		25000	101
Lead	82.4		80.0	103	98.6		100	99	98.4		100	98
Magnesium	39100		40000	98	50200		50000	100	51000		50000	102
Manganese	383		400	96	492		500	98	500		500	100
Nickel	81.3		80.0	102	99.6		100	100	99.6		100	100
Potassium	40600		40000	101	49800		50000	100	50700		50000	101
Selenium	78.7		80.0	98	97.4		100	97	98.2		100	98
Silver	79.1		80.0	99	98.8		100	99	98.3		100	98
Sodium	39800		40000	100	50400		50000	101	50900		50000	102
Thallium	82.6		80.0	103	98.7		100	99	98.0		100	98
Vanadium	82.2		80.0	103	98.0		100	98	98.6		100	99
Zinc	83.7		80.0	105	99.2		100	99	99.8		100	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: MCCV1X_00039

Analyte	CCV 180-68949/36 04/11/2013 00:16				CCV 180-68949/48 04/11/2013 01:55				CCV 180-68949/60 04/11/2013 03:34			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	510		500	102	507		500	101	507		500	101
Antimony	98.8		100	99	100		100	100	100		100	100
Arsenic	98.4		100	98	99.8		100	100	98.6		100	99
Barium	100		100	100	101		100	101	101		100	101
Beryllium	103		100	103	103		100	103	106		100	106
Cadmium	98.7		100	99	99.8		100	100	99.7		100	100
Calcium	50800		50000	102	51900		50000	104	52200		50000	104
Chromium	99.9		100	100	101		100	101	101		100	101
Cobalt	101		100	101	101		100	101	101		100	101
Copper	101		100	101	101		100	101	101		100	101
Iron	25800		25000	103	26400		25000	106	26600		25000	107
Lead	97.1		100	97	96.3		100	96	95.9		100	96
Magnesium	51400		50000	103	51400		50000	103	51600		50000	103
Manganese	466		500	93	479		500	96	483		500	97
Nickel	101		100	101	101		100	101	101		100	101
Potassium	51100		50000	102	51700		50000	103	52100		50000	104
Selenium	98.8		100	99	101		100	101	99.0		100	99
Silver	98.2		100	98	98.3		100	98	98.1		100	98
Sodium	51500		50000	103	51300		50000	103	51400		50000	103
Thallium	97.2		100	97	96.2		100	96	96.3		100	96
Vanadium	99.5		100	99	101		100	101	102		100	102
Zinc	99.9		100	100	101		100	101	100		100	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: MCCV1X_00039

Analyte	CCV 180-68949/72 04/11/2013 05:14											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	502		500	100								
Antimony	101		100	101								
Arsenic	98.7		100	99								
Barium	101		100	101								
Beryllium	103		100	103								
Cadmium	98.7		100	99								
Calcium	52000		50000	104								
Chromium	101		100	101								
Cobalt	102		100	102								
Copper	101		100	101								
Iron	26800		25000	107								
Lead	94.2		100	94								
Magnesium	51100		50000	102								
Manganese	483		500	97								
Nickel	101		100	101								
Potassium	52200		50000	104								
Selenium	99.6		100	100								
Silver	97.9		100	98								
Sodium	50600		50000	101								
Thallium	94.5		100	94								
Vanadium	101		100	101								
Zinc	100		100	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: CCVHL1_00002

Analyte	ICV 180-69084/5 04/12/2013 13:43				CCV 180-69084/8 04/12/2013 14:09							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese	408		400	102	21200		20000	106				
Aluminum	411		400	103	509000		500000	102				
Barium	81.1		80.0	101	15600		15000	104				
Chromium	82.7		80.0	103	20900		20000	104				
Copper	82.0		80.0	102	20800		20000	104				
Iron	20300		20000	102	513000		500000	103				
Lead	81.8		80.0	102	20100		20000	101				
Nickel	80.8		80.0	101	10200		10000	102				
Zinc	81.7		80.0	102	21200		20000	106				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: CCVHL2_00002

Analyte	ICV 180-69084/5 04/12/2013 13:43				CCV 180-69084/9 04/12/2013 14:17							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	40300		40000	101	1010000		1000000	101				
Magnesium	39900		40000	100	1010000		1000000	101				
Potassium	40800		40000	102	508000		500000	102				
Sodium	40600		40000	101	513000		500000	103				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: MCCV1X_00039

Analyte	ICV 180-69084/5 04/12/2013 13:43				CCV 180-69084/12 04/12/2013 14:42				CCV 180-69084/24 04/12/2013 16:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese	408		400	102	525		500	105	521		500	104
Aluminum	411		400	103	534		500	107	509		500	102
Antimony	79.8		80.0	100	102		100	102	101		100	101
Arsenic	79.1		80.0	99	103		100	103	102		100	102
Barium	81.1		80.0	101	104		100	104	101		100	101
Beryllium	79.8		80.0	100	105		100	105	96.8		100	97
Cadmium	82.4		80.0	103	104		100	104	103		100	103
Calcium	40300		40000	101	52100		50000	104	51600		50000	103
Chromium	82.7		80.0	103	104		100	104	105		100	105
Cobalt	82.0		80.0	103	106		100	106	106		100	106
Copper	82.0		80.0	102	106		100	106	107		100	107
Iron	20300		20000	102	26200		25000	105	26300		25000	105
Lead	81.8		80.0	102	105		100	105	104		100	104
Magnesium	39900		40000	100	52200		50000	104	50100		50000	100
Nickel	80.8		80.0	101	106		100	106	105		100	105
Potassium	40800		40000	102	52300		50000	105	51000		50000	102
Selenium	80.8		80.0	101	103		100	103	103		100	103
Silver	81.2		80.0	102	106		100	106	103		100	103
Sodium	40600		40000	101	51900		50000	104	50000		50000	100
Thallium	83.7		80.0	105	105		100	105	103		100	103
Vanadium	82.1		80.0	103	104		100	104	105		100	105
Zinc	81.7		80.0	102	105		100	105	103		100	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICV Source: MICVX_00003 Concentration Units: ug/L

CCV Source: MCCV1X_00039

Analyte	CCV 180-69084/36 04/12/2013 17:56				CCV 180-69084/48 04/12/2013 19:35				CCV 180-69084/59 04/12/2013 21:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese	515		500	103	521		500	104	525		500	105
Aluminum	520		500	104	524		500	105	528		500	106
Antimony	101		100	101	100		100	100	104		100	104
Arsenic	100		100	100	102		100	102	105		100	105
Barium	102		100	102	102		100	102	106		100	106
Beryllium	104		100	104	103		100	103	104		100	104
Cadmium	103		100	103	101		100	101	104		100	104
Calcium	51300		50000	103	51800		50000	104	51900		50000	104
Chromium	103		100	103	104		100	104	105		100	105
Cobalt	104		100	104	105		100	105	106		100	106
Copper	105		100	105	107		100	107	107		100	107
Iron	26000		25000	104	26500		25000	106	26800		25000	107
Lead	104		100	104	104		100	104	106		100	106
Magnesium	51600		50000	103	52000		50000	104	52400		50000	105
Nickel	103		100	103	105		100	105	106		100	106
Potassium	51400		50000	103	52600		50000	105	52800		50000	106
Selenium	102		100	102	102		100	102	104		100	104
Silver	103		100	103	104		100	104	106		100	106
Sodium	51200		50000	102	51200		50000	102	51500		50000	103
Thallium	103		100	103	104		100	104	106		100	106
Vanadium	103		100	103	105		100	105	105		100	105
Zinc	103		100	103	103		100	103	104		100	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Method: 7471/DOD Instrument ID: H1

Lab Sample ID: CRA 240-79547/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00339

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.171	J	85	

Lab Sample ID: CRA 240-79547/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00339

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.154	J	77	

Lab Sample ID: CRA 240-79547/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00339

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.160	J	80	

Lab Sample ID: CRA 240-80224/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00345

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.210		105	

Lab Sample ID: CRA 240-80224/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00345

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.196	J	98	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Method: 6020/DOD Instrument ID: M

Lab Sample ID: CRI 180-68949/7 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00029

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.985	J	98	80-120
Aluminum	30.0	31.6		105	80-120
Arsenic	1.00	1.02		102	80-120
Barium	10.0	9.90	J	99	80-120
Beryllium	1.00	1.00		100	80-120
Calcium	100	107		107	80-120
Cadmium	1.00	1.09		109	80-120
Chromium	2.00	2.03		102	80-120
Cobalt	0.500	0.534		107	80-120
Copper	2.00	2.09		105	80-120
Iron	50.0	52.8		106	80-120
Magnesium	100	99.3	J	99	80-120
Manganese	5.00	4.93	J	99	80-120
Sodium	100	94.8	J	95	80-120
Nickel	1.00	1.03		103	80-120
Lead	1.00	0.992	J	99	80-120
Antimony	2.00	1.93	J	97	80-120
Thallium	1.00	0.957	J	96	80-120
Vanadium	1.00	0.994	J	99	80-120
Zinc	5.00	5.30		106	80-120
Potassium	100	117		117	80-120
Selenium	5.00	4.94	J	99	80-120

Lab Sample ID: CRI 180-68949/74 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00029

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.978	J	98	80-120
Aluminum	30.0	33.5		112	80-120
Arsenic	1.00	1.05		105	80-120
Barium	10.0	10.4		104	80-120
Beryllium	1.00	1.03		103	80-120
Calcium	100	91.0	J	91	80-120
Cadmium	1.00	0.995	J	100	80-120
Chromium	2.00	1.99	J	99	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Method: 6020/DOD Instrument ID: M

Lab Sample ID: CRI 180-68949/74 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00029

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	0.500	0.487	J	97	80-120
Copper	2.00	1.94	J	97	80-120
Iron	50.0	53.9		108	80-120
Magnesium	100	102		102	80-120
Manganese	5.00	4.75	J	95	80-120
Sodium	100	99.3	J	99	80-120
Nickel	1.00	0.987	J	99	80-120
Lead	1.00	0.964	J	96	80-120
Antimony	2.00	2.08		104	80-120
Thallium	1.00	0.929	J	93	80-120
Vanadium	1.00	1.00		100	80-120
Zinc	5.00	5.11		102	80-120
Potassium	100	112		112	80-120
Selenium	5.00	4.29	J	86	80-120

Lab Sample ID: CRI 180-69084/7 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00029

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	1.03		103	80-120
Aluminum	30.0	31.2		104	80-120
Arsenic	1.00	1.05		105	80-120
Barium	10.0	10.3		103	80-120
Beryllium	1.00	1.15		115	80-120
Calcium	100	91.3	J	91	80-120
Cadmium	1.00	1.11		111	80-120
Chromium	2.00	2.20		110	80-120
Cobalt	0.500	0.509		102	80-120
Copper	2.00	2.16		108	80-120
Iron	50.0	52.3		105	80-120
Magnesium	100	99.1	J	99	80-120
Manganese	5.00	5.42		108	80-120
Sodium	100	105		105	80-120
Nickel	1.00	1.12		112	80-120
Lead	1.00	1.02		102	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Method: 6020/DOD Instrument ID: M

Lab Sample ID: CRI 180-69084/7 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00029

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	2.00	1.99	J	99	80-120
Thallium	1.00	0.991	J	99	80-120
Vanadium	1.00	1.06		106	80-120
Zinc	5.00	4.08	J	82	80-120
Potassium	100	105		105	80-120
Selenium	5.00	5.46		109	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-79547/8-A 03/27/2013 09:36		CCB 240-79547/11-A 03/27/2013 09:47		CCB 240-79547/11-A 03/27/2013 10:05		CCB 240-79547/11-A 03/27/2013 10:23	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-79547/11-A 03/27/2013 17:05		CCB 240-79547/11-A 03/27/2013 17:22		CCB 240-79547/11-A 03/27/2013 17:40		CCB 240-79547/11-A 03/27/2013 17:59	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-80224/8-A 04/02/2013 12:00		CCB 240-80224/11-A 04/02/2013 13:41		CCB 240-80224/11-A 04/02/2013 13:59		CCB 240-80224/11-A 04/02/2013 14:15	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 180-68949/6 04/10/2013 20:13		CCB1 180-68949/13 04/10/2013 21:10		CCB2 180-68949/25 04/10/2013 22:49		CCB3 180-68949/37 04/11/2013 00:24	
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	5.0	U	5.0	U	5.0	U
Antimony	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Arsenic	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Barium	10	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	1.0	0.090	U	0.090	U	0.090	U	0.090	U
Cadmium	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	100	20	U	20	U	20	U	20	U
Chromium	2.0	1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	0.50	0.050	U	0.050	U	0.050	U	0.050	U
Copper	2.0	0.50	U	0.273	J	0.50	U	0.50	U
Iron	50	20	U	20	U	20	U	20	U
Lead	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Magnesium	100	22	U	22	U	22	U	22	U
Manganese	5.0	0.30	U	0.30	U	0.30	U	0.193	J
Nickel	1.0	0.35	U	0.35	U	0.35	U	0.35	U
Potassium	100	60	U	60	U	60	U	60	U
Selenium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Silver	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Sodium	100	55	U	55	U	55	U	55	U
Thallium	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Vanadium	1.0	0.60	U	0.60	U	0.60	U	0.60	U
Zinc	5.0	2.0	U	2.05	J	2.02	J	2.06	J

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB4 180-68949/49 04/11/2013 02:03		CCB5 180-68949/61 04/11/2013 03:44		CCB6 180-68949/73 04/11/2013 05:22			
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	2.95	J	3.00	J		
Antimony	2.0	0.90	U	0.90	U	0.90	U		
Arsenic	1.0	0.50	U	0.50	U	0.50	U		
Barium	10	0.15	U	0.15	U	0.15	U		
Beryllium	1.0	0.090	U	0.090	U	0.090	U		
Cadmium	1.0	0.30	U	0.30	U	0.30	U		
Calcium	100	20	U	20	U	20	U		
Chromium	2.0	1.0	U	1.0	U	1.0	U		
Cobalt	0.50	0.050	U	0.050	U	0.050	U		
Copper	2.0	0.50	U	0.50	U	0.246	J		
Iron	50	20	U	20	U	20	U		
Lead	1.0	0.30	U	0.30	U	0.30	U		
Magnesium	100	22	U	22	U	22	U		
Manganese	5.0	0.665	J	0.688	J	0.603	J		
Nickel	1.0	0.35	U	0.35	U	0.35	U		
Potassium	100	60	U	60	U	60	U		
Selenium	5.0	1.0	U	1.0	U	1.0	U		
Silver	1.0	0.20	U	0.20	U	0.20	U		
Sodium	100	55	U	55	U	55	U		
Thallium	1.0	0.20	U	0.20	U	0.20	U		
Vanadium	1.0	0.60	U	0.60	U	0.60	U		
Zinc	5.0	1.85	J	1.91	J	1.88	J		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 180-69084/6 04/12/2013 13:51		CCB1 180-69084/13 04/12/2013 14:50		CCB2 180-69084/25 04/12/2013 16:29		CCB3 180-69084/37 04/12/2013 18:04	
		Found	C	Found	C	Found	C	Found	C
Manganese	5.0	0.30	U	0.30	U	0.176	J	0.30	U
Aluminum	30	5.0	U	5.0	U	5.0	U	5.0	U
Antimony	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Arsenic	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Barium	10	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	1.0	0.0490	J	0.090	U	0.090	U	0.090	U
Cadmium	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	100	20	U	20	U	20	U	20	U
Chromium	2.0	1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	0.50	0.050	U	0.050	U	0.050	U	0.050	U
Copper	2.0	0.50	U	0.50	U	0.50	U	0.50	U
Iron	50	20	U	20	U	20	U	20	U
Lead	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Magnesium	100	22	U	22	U	22	U	22	U
Nickel	1.0	0.35	U	0.35	U	0.35	U	0.35	U
Potassium	100	60	U	32.9	J	60	U	60	U
Selenium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Silver	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Sodium	100	55	U	55	U	47.2	J	70.2	J
Thallium	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Vanadium	1.0	0.571	J	0.404	J	0.737	J	0.416	J
Zinc	5.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB4 180-69084/49 04/12/2013 19:43		CCB5 180-69084/60 04/12/2013 21:15					
		Found	C	Found	C	Found	C	Found	C
Manganese	5.0	0.211	J	0.30	U				
Aluminum	30	5.0	U	5.0	U				
Antimony	2.0	0.90	U	0.90	U				
Arsenic	1.0	0.50	U	0.50	U				
Barium	10	0.15	U	0.15	U				
Beryllium	1.0	0.090	U	0.090	U				
Cadmium	1.0	0.30	U	0.30	U				
Calcium	100	20	U	20	U				
Chromium	2.0	1.0	U	1.0	U				
Cobalt	0.50	0.050	U	0.050	U				
Copper	2.0	0.50	U	0.50	U				
Iron	50	20	U	20	U				
Lead	1.0	0.30	U	0.30	U				
Magnesium	100	22	U	22	U				
Nickel	1.0	0.35	U	0.35	U				
Potassium	100	60	U	60	U				
Selenium	5.0	1.0	U	1.0	U				
Silver	1.0	0.20	U	0.20	U				
Sodium	100	65.6	J	52.7	J				
Thallium	1.0	0.20	U	0.20	U				
Vanadium	1.0	0.566	J	0.60	U				
Zinc	5.0	2.0	U	2.0	U				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-79493/1-A

Instrument Code: H1 Batch No.: 79644

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.033	U		7471_DOD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-79646/1-A

Instrument Code: H1 Batch No.: 79644

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.033	U		7471_DOD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-79782/1-A

Instrument Code: H1 Batch No.: 80366

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.033	U		7471_DOD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 180-67702/1-A

Instrument Code: M Batch No.: 68949

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.026	U		6020_DoD
7429-90-5	Aluminum	0.332	J		6020_DoD
7440-38-2	Arsenic	0.043	U		6020_DoD
7440-39-3	Barium	0.00948	J	Q	6020_DoD
7440-41-7	Beryllium	0.0086	U		6020_DoD
7440-70-2	Calcium	1.11	J		6020_DoD
7440-43-9	Cadmium	0.026	U		6020_DoD
7440-47-3	Chromium	0.034	U		6020_DoD
7440-48-4	Cobalt	0.0086	U	Q	6020_DoD
7440-50-8	Copper	0.052	U	Q	6020_DoD
7439-89-6	Iron	1.7	U		6020_DoD
7439-95-4	Magnesium	1.7	U		6020_DoD
7439-96-5	Manganese	0.104	J	Q	6020_DoD
7440-23-5	Sodium	4.3	U		6020_DoD
7440-02-0	Nickel	0.026	U		6020_DoD
7439-92-1	Lead	0.026	U		6020_DoD
7440-36-0	Antimony	0.086	U		6020_DoD
7440-28-0	Thallium	0.017	U		6020_DoD
7440-62-2	Vanadium	0.052	U		6020_DoD
7440-66-6	Zinc	0.17	U	Q	6020_DoD
7440-09-7	Potassium	5.2	U		6020_DoD
7782-49-2	Selenium	0.086	U		6020_DoD

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 180-67705/1-A

Instrument Code: M Batch No.: 68949

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.029	U		6020_DoD
7429-90-5	Aluminum	0.57	U		6020_DoD
7440-38-2	Arsenic	0.048	U		6020_DoD
7440-39-3	Barium	0.019	U	Q	6020_DoD
7440-41-7	Beryllium	0.0095	U		6020_DoD
7440-70-2	Calcium	2.4	U		6020_DoD
7440-43-9	Cadmium	0.029	U		6020_DoD
7440-47-3	Chromium	0.038	U		6020_DoD
7440-48-4	Cobalt	0.0095	U	Q	6020_DoD
7440-50-8	Copper	0.057	U	Q	6020_DoD
7439-89-6	Iron	1.9	U		6020_DoD
7439-95-4	Magnesium	1.9	U		6020_DoD
7439-96-5	Manganese	0.029	U	Q	6020_DoD
7440-23-5	Sodium	4.8	U		6020_DoD
7440-02-0	Nickel	0.029	U		6020_DoD
7439-92-1	Lead	0.029	U		6020_DoD
7440-36-0	Antimony	0.095	U		6020_DoD
7440-28-0	Thallium	0.019	U		6020_DoD
7440-62-2	Vanadium	0.057	U		6020_DoD
7440-66-6	Zinc	0.19	U	Q	6020_DoD
7440-09-7	Potassium	3.08	J		6020_DoD
7782-49-2	Selenium	0.095	U		6020_DoD

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Lab Sample ID: ICSA 180-68949/10 Instrument ID: M

Lab File ID: M30410A.xml ICS Source: MICSAX_00029

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**100000**	**107800**	**108**
Antimony		**0.295**	
Arsenic		**0.172**	
Barium		**0.386**	
Beryllium		**-0.0080**	
Cadmium		**0.280**	
Calcium	**100000**	**99470**	**99**
Chromium		**0.0560**	
Cobalt		**0.0810**	
Copper		**1.42**	
Iron	**100000**	**101500**	**102**
Lead		**0.267**	
Magnesium	**100000**	**103600**	**104**
Manganese		**0.490**	
Nickel		**-0.300**	
Potassium	**100000**	**100400**	**100**
Selenium		**0.383**	
Silver		**0.0570**	
Sodium	**100000**	**104300**	**104**
Thallium		**0.0180**	
Vanadium		**-0.339**	
Zinc		**3.02**	
Boron		*0.0480*	
Molybdenum	*2000*	*2331*	*117*
Silicon		*-86.0*	
Strontium		*5.13*	
Tin		*0.159*	
Titanium	*2000*	*2112*	*106*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Lab Sample ID: ICSAB 180-68949/11 Instrument ID: M

Lab File ID: M30410A.xml ICS Source: MICSABX_00033

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**100000**	**114467**	**114**
Antimony	**20.0**	**22.1**	**110**
Arsenic	**20.0**	**22.7**	**114**
Barium	**20.0**	**22.2**	**111**
Beryllium	**20.0**	**21.8**	**109**
Cadmium	**20.0**	**21.2**	**106**
Calcium	**100000**	**109833**	**110**
Chromium	**20.0**	**21.2**	**106**
Cobalt	**20.0**	**21.6**	**108**
Copper	**20.0**	**22.7**	**114**
Iron	**100000**	**109100**	**109**
Lead	**20.0**	**22.2**	**111**
Magnesium	**100000**	**109933**	**110**
Manganese	**22.5**	**21.3**	**95**
Nickel	**20.0**	**20.8**	**104**
Potassium	**100000**	**109267**	**109**
Selenium	**50.0**	**56.2**	**112**
Silver	**20.0**	**20.4**	**102**
Sodium	**100000**	**110867**	**111**
Thallium	**20.0**	**21.8**	**109**
Vanadium	**20.0**	**21.1**	**105**
Zinc	**25.0**	**25.1**	**100**
Boron	*50.0*	*53.1*	*106*
Molybdenum	*2000*	*2333*	*117*
Silicon	*500*	*428*	*86*
Strontium	*25.0*	*26.9*	*108*
Tin	*100*	*110*	*110*
Titanium	*2000*	*2293*	*115*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Lab Sample ID: ICSA 180-69084/10 Instrument ID: M

Lab File ID: M30412A.xml ICS Source: MICSAX_00029

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Manganese		**0.0650**	
Aluminum	*100000*	*104600*	*105*
Antimony		*0.268*	
Arsenic		*0.281*	
Barium		*0.223*	
Beryllium		*0.0290*	
Boron		*1.03*	
Cadmium		*0.263*	
Calcium	*100000*	*104000*	*104*
Chromium		*0.0730*	
Cobalt		*0.0840*	
Copper		*1.58*	
Iron	*100000*	*102600*	*103*
Lead		*0.175*	
Magnesium	*100000*	*102500*	*103*
Molybdenum	*2000*	*2099*	*105*
Nickel		*-0.0420*	
Potassium	*100000*	*103000*	*103*
Selenium		*0.340*	
Silicon		*-36.0*	
Silver		*0.0320*	
Sodium	*100000*	*103900*	*104*
Strontium		*4.60*	
Thallium		*-0.0020*	
Tin		*0.0560*	
Titanium	*2000*	*2187*	*109*
Vanadium		*-0.417*	
Zinc		*1.90*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Lab Sample ID: ICSAB 180-69084/11 Instrument ID: M

Lab File ID: M30412A.xml ICS Source: MICSABX_00033

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Manganese	**22.5**	**22.3**	**99**
Aluminum	*100000*	*107600*	*108*
Antimony	*20.0*	*21.5*	*108*
Arsenic	*20.0*	*22.8*	*114*
Barium	*20.0*	*21.8*	*109*
Beryllium	*20.0*	*20.5*	*103*
Boron	*50.0*	*48.9*	*98*
Cadmium	*20.0*	*22.2*	*111*
Calcium	*100000*	*107267*	*107*
Chromium	*20.0*	*21.4*	*107*
Cobalt	*20.0*	*21.5*	*107*
Copper	*20.0*	*22.5*	*112*
Iron	*100000*	*106033*	*106*
Lead	*20.0*	*21.8*	*109*
Magnesium	*100000*	*105533*	*106*
Molybdenum	*2000*	*2181*	*109*
Nickel	*20.0*	*21.0*	*105*
Potassium	*100000*	*105433*	*105*
Selenium	*50.0*	*55.0*	*110*
Silicon	*500*	*449*	*90*
Silver	*20.0*	*21.1*	*106*
Sodium	*100000*	*107533*	*108*
Strontium	*25.0*	*26.1*	*104*
Thallium	*20.0*	*21.2*	*106*
Tin	*100*	*106*	*106*
Titanium	*2000*	*2248*	*112*
Vanadium	*20.0*	*21.2*	*106*
Zinc	*25.0*	*24.8*	*99*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 079SS-0182M-0001-SO MS Lab ID: 240-22141-1 MS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.275		0.055	J	0.167	132	80-120	J	7471/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 079SB-0207M-0001-SO MS Lab ID: 240-22141-23 MS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.172		0.033	U	0.167	103	80-120		7471/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 079SS-0182M-0001-SO MS Lab ID: 240-22141-1 MS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	4.44		0.26		4.67	90	75-125		6020/DOD
Aluminum	18400		13000		187	3105	70-130	4	6020/DOD
Arsenic	16.8		12		3.74	140	23-131	J	6020/DOD
Barium	620		310		187	165	10-199	Q	6020/DOD
Beryllium	5.11		0.61		4.67	96	58-112		6020/DOD
Calcium	8570		3800		4670	103	70-130		6020/DOD
Cadmium	4.55		0.28		4.67	91	58-110		6020/DOD
Chromium	49.1		28		18.7	115	10-199		6020/DOD
Cobalt	48.2		7.6		46.7	87	55-110	Q	6020/DOD
Copper	34.4		12		23.4	94	10-199	Q	6020/DOD
Iron	19700		19000		93.5	353	70-130	4	6020/DOD
Magnesium	7530		2700		4670	104	70-130		6020/DOD
Manganese	18900		13000		46.7	12194	10-199	D 4	6020/DOD
Sodium	4610		81		4670	97	70-130		6020/DOD
Nickel	72.0		31		46.7	88	10-176		6020/DOD
Lead	25.3		25		1.87	-3	10-199	4	6020/DOD
Antimony	12.0		0.059	J	46.7	26	75-125	J	6020/DOD
Thallium	4.61		0.50		4.67	88	82-110		6020/DOD
Vanadium	71.1		23		46.7	103	39-129		6020/DOD
Zinc	153		98		46.7	118	10-199	Q	6020/DOD
Potassium	5950		900		4670	108	70-130		6020/DOD
Selenium	1.22		0.49		0.935	78	39-116		6020/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 079SB-0204M-0001-SO MS Lab ID: 240-22141-21 MS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	4.13		0.026	J	4.50	91	75-125		6020/DOD
Aluminum	18500		14000		180	2455	70-130	4	6020/DOD
Arsenic	15.5		13		3.60	77	23-131		6020/DOD
Barium	256		82		180	97	10-199	Q	6020/DOD
Beryllium	5.07		0.70		4.50	97	58-112		6020/DOD
Calcium	4340		400		4500	87	70-130		6020/DOD
Cadmium	4.37		0.15		4.50	94	58-110		6020/DOD
Chromium	34.5		16		18.0	100	10-199		6020/DOD
Cobalt	51.7		13		45.0	86	55-110	Q	6020/DOD
Copper	38.9		20		22.5	86	10-199	Q	6020/DOD
Iron	25100		25000		90.1	-71	70-130	4	6020/DOD
Magnesium	7940		3300		4500	103	70-130		6020/DOD
Manganese	729		760		45.0	-58	10-199	Q 4	6020/DOD
Sodium	4440		50		4500	97	70-130		6020/DOD
Nickel	65.8		27		45.0	87	10-176		6020/DOD
Lead	14.7		13		1.80	98	10-199	4	6020/DOD
Antimony	11.2		0.045	J	45.0	25	75-125	J	6020/DOD
Thallium	4.28		0.18		4.50	91	82-110		6020/DOD
Vanadium	67.8		19		45.0	108	39-129		6020/DOD
Zinc	110		70		45.0	88	10-199	Q	6020/DOD
Potassium	5540		1100		4500	98	70-130		6020/DOD
Selenium	1.02		0.34	J	0.901	76	39-116		6020/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: 079SS-0182M-0001-SO MSD Lab ID: 240-22141-1 MSD

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	4.45		4.67	90	75-125	0	20		6020/DOD
Aluminum	18900		187	3350	70-130	2	20	4	6020/DOD
Arsenic	16.4		3.74	129	23-131	3	20		6020/DOD
Barium	938		187	335	10-199	41	20	Q J	6020/DOD
Beryllium	5.17		4.67	98	58-112	1	20		6020/DOD
Calcium	8700		4670	106	70-130	1	20		6020/DOD
Cadmium	4.62		4.67	93	58-110	1	20		6020/DOD
Chromium	49.0		18.7	114	10-199	0	20		6020/DOD
Cobalt	49.3		46.7	89	55-110	2	20	Q	6020/DOD
Copper	33.5		23.4	90	10-199	3	20	Q	6020/DOD
Iron	20800		93.5	1513	70-130	5	20	4	6020/DOD
Magnesium	7590		4670	105	70-130	1	20		6020/DOD
Manganese	18400		46.7	10954	10-199	3	20	D 4	6020/DOD
Sodium	4590		4670	96	70-130	0	20		6020/DOD
Nickel	73.6		46.7	91	10-176	2	20		6020/DOD
Lead	22.1		1.87	-171	10-199	13	20	4	6020/DOD
Antimony	11.3		46.7	24	75-125	6	20	J	6020/DOD
Thallium	4.67		4.67	89	82-110	1	20		6020/DOD
Vanadium	71.8		46.7	105	39-129	1	20		6020/DOD
Zinc	154		46.7	119	10-199	0	20	Q	6020/DOD
Potassium	5750		4670	104	70-130	3	20		6020/DOD
Selenium	1.31		0.935	87	39-116	6	20		6020/DOD

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: 079SB-0204M-0001-SO MSD Lab ID: 240-22141-21 MSD

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids:

Analyte	(SDR) C		Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	4.24		4.67	90	75-125	3	20		6020/DOD
Aluminum	20400		187	3356	70-130	10	20	4	6020/DOD
Arsenic	15.9		3.74	84	23-131	2	20		6020/DOD
Barium	265		187	98	10-199	3	20	Q	6020/DOD
Beryllium	5.23		4.67	97	58-112	3	20		6020/DOD
Calcium	4460		4670	87	70-130	3	20		6020/DOD
Cadmium	4.48		4.67	93	58-110	3	20		6020/DOD
Chromium	36.5		18.7	107	10-199	6	20		6020/DOD
Cobalt	52.3		46.7	85	55-110	1	20	Q	6020/DOD
Copper	39.6		23.4	86	10-199	2	20	Q	6020/DOD
Iron	25600		93.5	524	70-130	2	20	4	6020/DOD
Magnesium	8210		4670	105	70-130	3	20		6020/DOD
Manganese	667		46.7	-189	10-199	9	20	Q 4	6020/DOD
Sodium	4570		4670	97	70-130	3	20		6020/DOD
Nickel	66.4		46.7	85	10-176	1	20		6020/DOD
Lead	15.1		1.87	118	10-199	3	20	4	6020/DOD
Antimony	10.2		46.7	22	75-125	9	20	J	6020/DOD
Thallium	4.41		4.67	91	82-110	3	20		6020/DOD
Vanadium	70.2		46.7	109	39-129	3	20		6020/DOD
Zinc	111		46.7	88	10-199	1	20	Q	6020/DOD
Potassium	5970		4670	104	70-130	8	20		6020/DOD
Selenium	1.13		0.935	85	39-116	10	20		6020/DOD

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: 079SS-0182M-0001-SO PDS Lab ID: 240-22141-1 PDS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	4.82		0.26		4.55	100	80-120		6020/DOD
Aluminum	12500		13000		182	-50	80-120		6020/DOD
Arsenic	14.6		12		3.64	83	80-120		6020/DOD
Barium	503		310		182	105	80-120	Q	6020/DOD
Beryllium	5.32		0.61		4.55	104	80-120		6020/DOD
Calcium	8090		3800		4550	95	80-120		6020/DOD
Cadmium	4.86		0.28		4.55	101	80-120		6020/DOD
Chromium	44.2		28		18.2	91	80-120		6020/DOD
Cobalt	51.6		7.6		45.5	97	80-120	Q	6020/DOD
Copper	34.0		12		22.7	95	80-120	Q	6020/DOD
Iron	18700		19000		90.9	-740	80-120		6020/DOD
Magnesium	7360		2700		4550	103	80-120		6020/DOD
Manganese	11300		12000		45.5	-780	80-120	J Q	6020/DOD
Manganese	13100		13000		45.5	-280	80-120	D J	6020/DOD
Sodium	4890		81		4550	106	80-120		6020/DOD
Nickel	73.5		31		45.5	94	80-120		6020/DOD
Lead	26.4		25		1.82	57	80-120		6020/DOD
Antimony	44.5		0.059	J	45.5	98	80-120		6020/DOD
Thallium	5.08		0.50		4.55	101	80-120		6020/DOD
Vanadium	66.7		23		45.5	96	80-120		6020/DOD
Zinc	138		98		45.5	88	80-120	Q	6020/DOD
Potassium	5390		900		4550	99	80-120		6020/DOD
Selenium	1.38		0.49		0.909	98	80-120		6020/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: 079SB-0204M-0001-SO PDS Lab ID: 240-22141-21 PDS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	4.66		0.026	J	4.55	102	80-120		6020/DOD
Aluminum	13800		14000		182	-140	80-120		6020/DOD
Arsenic	15.8		13		3.64	85	80-120		6020/DOD
Barium	275		82		182	106	80-120	Q	6020/DOD
Beryllium	5.33		0.70		4.55	102	80-120		6020/DOD
Calcium	4740		400		4550	95	80-120		6020/DOD
Cadmium	4.74		0.15		4.55	101	80-120		6020/DOD
Chromium	33.2		16		18.2	92	80-120		6020/DOD
Cobalt	55.4		13		45.5	94	80-120	Q	6020/DOD
Copper	40.6		20		22.7	93	80-120	Q	6020/DOD
Iron	24400		25000		90.9	-770	80-120		6020/DOD
Magnesium	7860		3300		4550	100	80-120		6020/DOD
Manganese	772		760		45.5	37	80-120	Q	6020/DOD
Sodium	4780		50		4550	104	80-120		6020/DOD
Nickel	68.8		27		45.5	93	80-120		6020/DOD
Lead	14.5		13		1.82	85	80-120		6020/DOD
Antimony	42.2		0.045	J	45.5	93	80-120		6020/DOD
Thallium	4.84		0.18		4.55	102	80-120		6020/DOD
Vanadium	63.7		19		45.5	98	80-120		6020/DOD
Zinc	111		70		45.5	90	80-120	Q	6020/DOD
Potassium	5450		1100		4550	95	80-120		6020/DOD
Selenium	1.20		0.34	J	0.909	95	80-120		6020/DOD

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: 079SS-0182M-0001-SO DU Lab ID: 240-22141-1 DU

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

% Solids for Sample: % Solids for Duplicate:

Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.10	0.055	J	0.0546	J	1		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: 079SB-0207M-0001-SO DU Lab ID: 240-22141-23 DU

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

% Solids for Sample: % Solids for Duplicate:

Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.10	0.033	U	0.033	U	NC		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-79493/2-A

Lab Name: TestAmerica Canton Job No.: 240-22141-1

Sample Matrix: Solid LCS Source: MTHGCALW_00338

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.888		107	80	120		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-79646/2-A

Lab Name: TestAmerica Canton Job No.: 240-22141-1

Sample Matrix: Solid LCS Source: MTHGCALW_00340

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.924		111	80	120		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-79782/2-A

Lab Name: TestAmerica Canton Job No.: 240-22141-1

Sample Matrix: Solid LCS Source: MTHGCALW_00341

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.821		99	80	120		7471/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-67705/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

Sample Matrix: Solid LCS Source: MTAPITTICPMS_00014

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	4.59	4.28		93	60	114		6020/DOD
Aluminum	183	185		101	80	120		6020/DOD
Arsenic	3.67	3.23		88	73	110		6020/DOD
Barium	183	172		94	70	110	Q	6020/DOD
Beryllium	4.59	4.36		95	79	110		6020/DOD
Calcium	4590	4360		95	80	120		6020/DOD
Cadmium	4.59	4.27		93	74	110		6020/DOD
Chromium	18.3	17.1		93	70	110		6020/DOD
Cobalt	45.9	43.0		94	74	110	Q	6020/DOD
Copper	22.9	21.7		95	73	110	Q	6020/DOD
Iron	91.7	92.3		101	80	120		6020/DOD
Magnesium	4590	4380		95	80	120		6020/DOD
Manganese	45.9	42.7		93	80	120	Q	6020/DOD
Sodium	4590	4370		95	80	120		6020/DOD
Nickel	45.9	42.8		93	75	110		6020/DOD
Lead	1.83	1.75		95	75	110		6020/DOD
Antimony	45.9	42.1		92	68	113		6020/DOD
Thallium	4.59	4.30		94	71	110		6020/DOD
Vanadium	45.9	43.6		95	72	110		6020/DOD
Zinc	45.9	41.8		91	72	113	Q	6020/DOD
Potassium	4590	4340		95	80	120		6020/DOD
Selenium	0.917	0.835		91	65	110		6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-67702/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

Sample Matrix: Solid LCS Source: MTAPITTICPMS_00014

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	4.59	4.15		90	60	114		6020/DOD
Aluminum	183	182		99	80	120		6020/DOD
Arsenic	3.67	3.22		88	73	110		6020/DOD
Barium	183	168		92	70	110	Q	6020/DOD
Beryllium	4.59	4.26		93	79	110		6020/DOD
Calcium	4590	4320		94	80	120		6020/DOD
Cadmium	4.59	4.16		91	74	110		6020/DOD
Chromium	18.3	16.8		92	70	110		6020/DOD
Cobalt	45.9	42.3		92	74	110	Q	6020/DOD
Copper	22.9	21.6		94	73	110	Q	6020/DOD
Iron	91.7	93.7		102	80	120		6020/DOD
Magnesium	4590	4310		94	80	120		6020/DOD
Manganese	45.9	40.0		87	80	120	Q	6020/DOD
Sodium	4590	4310		94	80	120		6020/DOD
Nickel	45.9	42.6		93	75	110		6020/DOD
Lead	1.83	1.66		91	75	110		6020/DOD
Antimony	45.9	41.3		90	68	113		6020/DOD
Thallium	4.59	4.12		90	71	110		6020/DOD
Vanadium	45.9	42.9		94	72	110		6020/DOD
Zinc	45.9	41.2		90	72	113	Q	6020/DOD
Potassium	4590	4280		93	80	120		6020/DOD
Selenium	0.917	0.817		89	65	110		6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 240-22141-1

SDG No:

Lab Name: TestAmerica Pittsburgh Job No: 240-22141-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Silver	0.26		0.250	J	NC	D	6020/DOD
Aluminum	13000		12700		0.86	D	6020/DOD
Arsenic	12		10.8		6.1	D	6020/DOD
Barium	310		289		7.2	D Q	6020/DOD
Beryllium	0.61		0.630		2.8	D	6020/DOD
Calcium	3800		3500		6.9	D	6020/DOD
Cadmium	0.28		0.272	J	NC	D	6020/DOD
Chromium	28		28.3		2.2	D	6020/DOD
Cobalt	7.6		7.62		0.34	D Q	6020/DOD
Copper	12		12.4		0.98	D Q	6020/DOD
Iron	19000		19900		2.6	D	6020/DOD
Magnesium	2700		2490		7.1	D	6020/DOD
Manganese	13000		13400		1.1	D	6020/DOD
Sodium	81		72.4		NC	D	6020/DOD
Nickel	31		31.3		1.3	D	6020/DOD
Lead	25		25.5		0.72	D	6020/DOD
Antimony	0.059	J	0.45	U	NC		6020/DOD
Thallium	0.50		0.505		0.31	D	6020/DOD
Vanadium	23		23.4		2.5	D	6020/DOD
Zinc	98		97.4		0.93	D Q	6020/DOD
Potassium	900		955		5.8	D	6020/DOD
Selenium	0.49		0.45	U	NC		6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 240-22141-21

SDG No:

Lab Name: TestAmerica Pittsburgh Job No: 240-22141-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Silver	0.026	J	0.14	U	NC		6020/DOD
Aluminum	14000		14000		0.58	D	6020/DOD
Arsenic	13		13.1		2.6	D	6020/DOD
Barium	82		84.1		2.7	D Q	6020/DOD
Beryllium	0.70		0.681		2.9	D	6020/DOD
Calcium	400		415		3.8	D	6020/DOD
Cadmium	0.15		0.152	J	NC	D	6020/DOD
Chromium	16		17.1		4.0	D	6020/DOD
Cobalt	13		13.3		4.0	D Q	6020/DOD
Copper	20		20.2		3.3	D Q	6020/DOD
Iron	25000		26600		6.0	D	6020/DOD
Magnesium	3300		3270		1.2	D	6020/DOD
Manganese	760		782		3.5	D Q	6020/DOD
Sodium	50		47.2		NC	D	6020/DOD
Nickel	27		27.7		4.3	D	6020/DOD
Lead	13		12.9		0.11	D	6020/DOD
Antimony	0.045	J	0.45	U	NC		6020/DOD
Thallium	0.18		0.187	J	NC	D	6020/DOD
Vanadium	19		20.1		4.1	D	6020/DOD
Zinc	70		72.4		3.5	D Q	6020/DOD
Potassium	1100		1180		4.2	D	6020/DOD
Selenium	0.34	J	0.351	J	NC	D	6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-22141-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471/DOD DL Date: 02/16/2010 09:46

Prep Method: 7471A

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Mercury	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-22141-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471/DOD XMDL Date: 02/16/2010 09:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.12

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-22141-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471/DOD DL Date: 02/16/2010 09:46

Prep Method: 7471A

Leach Method: Increment, Prep

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Mercury	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-22141-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471/DOD XMDL Date: 02/16/2010 09:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.12

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22141-1

SDG Number:

Matrix: Solid Instrument ID: M

Method: 6020/DOD DL Date: 01/26/2010 16:34

Prep Method: 3050B

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Aluminum	27	3	0.2849
Antimony	121	0.2	0.0459
Arsenic	75	0.1	0.0181
Barium	137	1	0.0107
Beryllium	9	0.1	0.0075
Cadmium	111	0.1	0.0132
Calcium	44	10	1.326
Chromium	52	0.2	0.0223
Cobalt	59	0.05	0.0024
Copper	65	0.2	0.033
Iron	56	5	1.077
Lead	208	0.1	0.0154
Magnesium	26	10	1.079
Manganese	55	0.5	0.0159
Nickel	60	0.1	0.0113
Potassium	39	10	3.155
Selenium	82	0.5	0.0509
Silver	107	0.1	0.0114
Sodium	23	10	2.658
Thallium	205	0.1	0.0102
Vanadium	51	0.1	0.0299
Zinc	66	0.5	0.0648

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-22141-1

SDG Number:

Matrix: Solid Instrument ID: M

Method: 6020/DOD XMDL Date: 01/26/2010 16:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	27	30	2.5662
Antimony	121	2	0.459
Arsenic	75	1	0.2908
Barium	137	10	0.098
Beryllium	9	1	0.0451
Cadmium	111	1	0.132
Calcium	44	100	9.357
Chromium	52	2	0.5433
Cobalt	59	0.5	0.0263
Copper	65	2	0.2443
Iron	56	50	10.77
Lead	208	1	0.154
Magnesium	26	100	10.8
Manganese	55	5	0.159
Nickel	60	1	0.1749
Potassium	39	100	31.6
Selenium	82	5	0.509
Silver	107	1	0.114
Sodium	23	100	26.8
Thallium	205	1	0.102
Vanadium	51	1	0.299
Zinc	66	5	0.9609

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-22141-1

SDG No.:

Instrument ID: H1 Date: 04/01/2011 10:45

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Mercury		10	7471/DOD

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh Job No: 240-22141-1

SDG No.:

Instrument ID: M Date: 03/14/2011 22:35

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver		2500	6020/DOD
Aluminum		450000	6020/DOD
Arsenic		4500	6020/DOD
Barium		13500	6020/DOD
Beryllium		9000	6020/DOD
Calcium		1500000	6020/DOD
Cadmium		13500	6020/DOD
Chromium		13500	6020/DOD
Cobalt		13500	6020/DOD
Copper		20000	6020/DOD
Iron		450000	6020/DOD
Magnesium		1500000	6020/DOD
Manganese		25000	6020/DOD
Sodium		450000	6020/DOD
Nickel		13500	6020/DOD
Lead		20000	6020/DOD
Antimony		13500	6020/DOD
Thallium		13500	6020/DOD
Vanadium		13500	6020/DOD
Zinc		25000	6020/DOD
Potassium		450000	6020/DOD
Selenium		4500	6020/DOD

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-79493/1-A	03/26/2013 14:25	79493	0.60		100
LCS 240-79493/2-A	03/26/2013 14:25	79493	0.60		100
240-22141-19	03/26/2013 14:25	79493	0.55		100
240-22141-20	03/26/2013 14:25	79493	0.62		100
240-22141-28	03/26/2013 14:25	79493	0.51		100
240-22141-29	03/26/2013 14:25	79493	0.52		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-79646/1-A	03/27/2013 14:30	79646	0.60		100
LCS 240-79646/2-A	03/27/2013 14:30	79646	0.60		100
240-22141-1	03/27/2013 14:30	79646	0.60		100
240-22141-1 DU	03/27/2013 14:30	79646	0.60		100
240-22141-1 MS	03/27/2013 14:30	79646	0.60		100
240-22141-2	03/27/2013 14:30	79646	0.53		100
240-22141-3	03/27/2013 14:30	79646	0.54		100
240-22141-4	03/27/2013 14:30	79646	0.55		100
240-22141-5	03/27/2013 14:30	79646	0.61		100
240-22141-6	03/27/2013 14:30	79646	0.62		100
240-22141-7	03/27/2013 14:30	79646	0.57		100
240-22141-8	03/27/2013 14:30	79646	0.59		100
240-22141-9	03/27/2013 14:30	79646	0.55		100
240-22141-10	03/27/2013 14:30	79646	0.56		100
240-22141-11	03/27/2013 14:30	79646	0.57		100
240-22141-12	03/27/2013 14:30	79646	0.62		100
240-22141-13	03/27/2013 14:30	79646	0.55		100
240-22141-14	03/27/2013 14:30	79646	0.61		100
240-22141-15	03/27/2013 14:30	79646	0.54		100
240-22141-16	03/27/2013 14:30	79646	0.59		100
240-22141-17	03/27/2013 14:30	79646	0.55		100
240-22141-18	03/27/2013 14:30	79646	0.54		100
240-22141-21	03/27/2013 14:30	79646	0.59		100
240-22141-22	03/27/2013 14:30	79646	0.56		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-79782/1-A	03/28/2013 15:10	79782	0.60		100
LCS 240-79782/2-A	03/28/2013 15:10	79782	0.60		100
240-22141-23	03/28/2013 15:10	79782	0.60		100
240-22141-23 MS	03/28/2013 15:10	79782	0.60		100
240-22141-23 DU	03/28/2013 15:10	79782	0.60		100
240-22141-24	03/28/2013 15:10	79782	0.56		100
240-22141-25	03/28/2013 15:10	79782	0.52		100
240-22141-26	03/28/2013 15:10	79782	0.56		100
240-22141-27	03/28/2013 15:10	79782	0.61		100
240-22141-30	03/28/2013 15:10	79782	0.51		100
240-22141-31	03/28/2013 15:10	79782	0.63		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-67702/1-A	03/29/2013 08:25	67702	00001.16		100
LCS 180-67702/2-A	03/29/2013 08:25	67702	00001.09		100
240-22141-1	03/29/2013 08:25	67702	00001.10		100
240-22141-1 MS	03/29/2013 08:25	67702	00001.07		100
240-22141-1 MSD	03/29/2013 08:25	67702	00001.07		100
240-22141-2	03/29/2013 08:25	67702	00001.05		100
240-22141-3	03/29/2013 08:25	67702	00001.12		100
240-22141-4	03/29/2013 08:25	67702	00001.16		100
240-22141-5	03/29/2013 08:25	67702	00001.05		100
240-22141-6	03/29/2013 08:25	67702	00001.04		100
240-22141-7	03/29/2013 08:25	67702	00001.05		100
240-22141-8	03/29/2013 08:25	67702	00001.05		100
240-22141-9	03/29/2013 08:25	67702	00001.08		100
240-22141-10	03/29/2013 08:25	67702	00001.01		100
240-22141-11	03/29/2013 08:25	67702	00001.13		100
240-22141-12	03/29/2013 08:25	67702	00001.06		100
240-22141-13	03/29/2013 08:25	67702	00001.11		100
240-22141-14	03/29/2013 08:25	67702	00001.11		100
240-22141-15	03/29/2013 08:25	67702	00001.15		100
240-22141-16	03/29/2013 08:25	67702	00001.09		100
240-22141-17	03/29/2013 08:25	67702	00001.02		100
240-22141-18	03/29/2013 08:25	67702	00001.14		100
240-22141-19	03/29/2013 08:25	67702	00001.14		100
240-22141-20	03/29/2013 08:25	67702	00001.14		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-67705/1-A	03/29/2013 08:41	67705	00001.05		100
LCS 180-67705/2-A	03/29/2013 08:41	67705	00001.09		100
240-22141-21	03/29/2013 08:41	67705	00001.10		100
240-22141-21 MS	03/29/2013 08:41	67705	00001.11		100
240-22141-21 MSD	03/29/2013 08:41	67705	00001.07		100
240-22141-22	03/29/2013 08:41	67705	00001.08		100
240-22141-23	03/29/2013 08:41	67705	00001.17		100
240-22141-24	03/29/2013 08:41	67705	00001.18		100
240-22141-25	03/29/2013 08:41	67705	00001.09		100
240-22141-26	03/29/2013 08:41	67705	00001.11		100
240-22141-27	03/29/2013 08:41	67705	00001.10		100
240-22141-28	03/29/2013 08:41	67705	00001.14		100
240-22141-29	03/29/2013 08:41	67705	00001.08		100
240-22141-30	03/29/2013 08:41	67705	00001.16		100
240-22141-31	03/29/2013 08:41	67705	00001.05		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 03/27/2013 09:09 End Date: 03/28/2013 12:12

Lab Sample ID	D / F	Type	Time	Analytes																				
				Hg																				
STD01REP1 240-79644/1 IC			09:09	X																				
STD02REP1 240-79644/2 IC			09:10	X																				
STD03REP1 240-79644/3 IC			09:12	X																				
STD04REP1 240-79644/4 IC			09:14	X																				
STD05REP1 240-79644/5 IC			09:15	X																				
STD06REP1 240-79644/6 IC			09:17	X																				
ZZZZZZ			09:21																					
IC 240-79547/1-A			09:24	X																				
IC 240-79547/2-A			09:26	X																				
IC 240-79547/3-A			09:28	X																				
IC 240-79547/4-A			09:29	X																				
IC 240-79547/5-A			09:31	X																				
IC 240-79547/6-A			09:33	X																				
ICV 240-79547/7-A	1		09:34	X																				
ICB 240-79547/8-A	1		09:36	X																				
CRA 240-79547/9-A			09:37																					
CRA 240-79547/9-A	1		09:41	X																				
CCV 240-79547/10-A	1		09:45	X																				
CCB 240-79547/11-A	1		09:47	X																				
MB 240-79493/1-A	1	T	09:48	X																				
LCS 240-79493/2-A	1	T	09:50	X																				
ZZZZZZ			09:51																					
ZZZZZZ			09:53																					
ZZZZZZ			09:54																					
ZZZZZZ			09:56																					
ZZZZZZ			09:57																					
ZZZZZZ			09:58																					
ZZZZZZ			10:00																					
ZZZZZZ			10:01																					
CCV 240-79547/10-A	1		10:03	X																				
CCB 240-79547/11-A	1		10:05	X																				
ZZZZZZ			10:06																					
ZZZZZZ			10:07																					
ZZZZZZ			10:09																					
ZZZZZZ			10:10																					
ZZZZZZ			10:12																					
240-22141-19	1	T	10:13	X																				
240-22141-20	1	T	10:15	X																				
240-22141-28	1	T	10:16	X																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 03/27/2013 09:09 End Date: 03/28/2013 12:12

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
240-22141-29	1	T	10:18	X																			
ZZZZZZ			10:20																				
CCV 240-79547/10-A	1		10:21	X																			
CCB 240-79547/11-A	1		10:23	X																			
ZZZZZZ			10:24																				
ZZZZZZ			10:26																				
ZZZZZZ			10:27																				
ZZZZZZ			10:28																				
CRA 240-79547/9-A	1		10:30	X																			
ZZZZZZ			10:31																				
ZZZZZZ			10:33																				
ZZZZZZ			10:34																				
ZZZZZZ			10:36																				
ZZZZZZ			10:37																				
CCV 240-79547/10-A			10:38																				
CCB 240-79547/11-A			10:41																				
ZZZZZZ			10:43																				
ZZZZZZ			10:44																				
ZZZZZZ			10:45																				
ZZZZZZ			10:47																				
ZZZZZZ			10:48																				
ZZZZZZ			10:50																				
ZZZZZZ			10:51																				
ZZZZZZ			10:53																				
ZZZZZZ			10:54																				
ZZZZZZ			10:56																				
CCV 240-79547/10-A			10:57																				
CCB 240-79547/11-A			10:58																				
ZZZZZZ			11:00																				
ZZZZZZ			11:01																				
ZZZZZZ			11:03																				
ZZZZZZ			11:05																				
ZZZZZZ			11:07																				
ZZZZZZ			11:08																				
ZZZZZZ			11:10																				
ZZZZZZ			11:11																				
ZZZZZZ			11:13																				
ZZZZZZ			11:15																				
CCV 240-79547/10-A			11:16																				
CCB 240-79547/11-A			11:18																				
ZZZZZZ			11:19																				
ZZZZZZ			11:21																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 03/27/2013 09:09 End Date: 03/28/2013 12:12

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			11:23																				
ZZZZZZ			11:24																				
ZZZZZZ			11:25																				
ZZZZZZ			11:27																				
ZZZZZZ			11:29																				
ZZZZZZ			11:30																				
ZZZZZZ			11:31																				
ZZZZZZ			11:32																				
CCV 240-79547/10-A			11:34																				
CCB 240-79547/11-A			11:35																				
ZZZZZZ			11:37																				
ZZZZZZ			11:38																				
ZZZZZZ			11:40																				
ZZZZZZ			11:41																				
ZZZZZZ			11:43																				
CCV 240-79547/10-A			11:45																				
CCB 240-79547/11-A			11:46																				
CCV 240-79547/10-A	1		17:04	X																			
CCB 240-79547/11-A	1		17:05	X																			
MB 240-79646/1-A	1	T	17:06	X																			
LCS 240-79646/2-A	1	T	17:08	X																			
240-22141-1	1	T	17:09	X																			
240-22141-1 DU	1	T	17:11	X																			
240-22141-1 MS	1	T	17:12	X																			
240-22141-2	1	T	17:13	X																			
240-22141-3	1	T	17:15	X																			
240-22141-4	1	T	17:16	X																			
240-22141-5	1	T	17:18	X																			
240-22141-6	1	T	17:19	X																			
CCV 240-79547/10-A	1		17:21	X																			
CCB 240-79547/11-A	1		17:22	X																			
240-22141-7	1	T	17:23	X																			
240-22141-8	1	T	17:25	X																			
240-22141-9	1	T	17:27	X																			
240-22141-10	1	T	17:28	X																			
240-22141-11	1	T	17:30	X																			
240-22141-12	1	T	17:31	X																			
240-22141-13	1	T	17:33	X																			
240-22141-14	1	T	17:34	X																			
240-22141-15	1	T	17:36	X																			
240-22141-16	1	T	17:37	X																			
CCV 240-79547/10-A	1		17:38	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 03/27/2013 09:09 End Date: 03/28/2013 12:12

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCB 240-79547/11-A	1		17:40	X																			
240-22141-17	1	T	17:41	X																			
240-22141-18	1	T	17:43	X																			
240-22141-21	1	T	17:44	X																			
240-22141-22	1	T	17:46	X																			
ZZZZZZ			17:48																				
ZZZZZZ			17:49																				
ZZZZZZ			17:51																				
ZZZZZZ			17:52																				
ZZZZZZ			17:54																				
ZZZZZZ			17:56																				
CCV 240-79547/10-A	1		17:57	X																			
CCB 240-79547/11-A	1		17:59	X																			
ZZZZZZ			18:00																				
ZZZZZZ			18:01																				
ZZZZZZ			18:03																				
ZZZZZZ			18:04																				
ZZZZZZ			18:05																				
ZZZZZZ			18:07																				
ZZZZZZ			18:08																				
ZZZZZZ			18:09																				
ZZZZZZ			18:11																				
ZZZZZZ			18:12																				
CCV 240-79547/10-A			18:14																				
CCB 240-79547/11-A			18:15																				
ZZZZZZ			18:17																				
ZZZZZZ			18:18																				
ZZZZZZ			18:20																				
ZZZZZZ			18:21																				
ZZZZZZ			18:23																				
ZZZZZZ			18:24																				
ZZZZZZ			18:26																				
ZZZZZZ			18:27																				
CCV 240-79547/10-A			18:29																				
CCB 240-79547/11-A			18:30																				
CCV 240-79547/10-A			12:09																				
CCB 240-79547/11-A			12:10																				
CRA 240-79547/9-A	1		12:12	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/02/2013 11:51 End Date: 04/02/2013 16:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
IC 240-80224/1-A			11:51	X																			
IC 240-80224/2-A			11:52	X																			
IC 240-80224/3-A			11:53	X																			
IC 240-80224/4-A			11:54	X																			
IC 240-80224/5-A			11:56	X																			
IC 240-80224/6-A			11:57	X																			
ICV 240-80224/7-A	1		11:59	X																			
ICB 240-80224/8-A	1		12:00	X																			
CRA 240-80224/9-A	1		12:02	X																			
CCV 240-80224/10-A			12:04																				
CCB 240-80224/11-A			12:06																				
ZZZZZZ			12:08																				
ZZZZZZ			12:09																				
ZZZZZZ			12:10																				
ZZZZZZ			12:12																				
ZZZZZZ			12:13																				
ZZZZZZ			12:15																				
ZZZZZZ			12:16																				
ZZZZZZ			12:17																				
ZZZZZZ			12:19																				
ZZZZZZ			12:20																				
CCV 240-80224/10-A			12:22																				
CCB 240-80224/11-A			12:23																				
ZZZZZZ			12:24																				
ZZZZZZ			12:26																				
ZZZZZZ			12:27																				
ZZZZZZ			12:29																				
ZZZZZZ			12:31																				
ZZZZZZ			12:32																				
ZZZZZZ			12:34																				
ZZZZZZ			12:37																				
ZZZZZZ			12:39																				
ZZZZZZ			12:40																				
CCV 240-80224/10-A			12:41																				
CCB 240-80224/11-A			12:43																				
ZZZZZZ			12:44																				
ZZZZZZ			12:45																				
ZZZZZZ			12:47																				
ZZZZZZ			12:48																				
ZZZZZZ			12:50																				
ZZZZZZ			12:52																				
ZZZZZZ			12:53																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/02/2013 11:51 End Date: 04/02/2013 16:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:55																				
ZZZZZZ			12:56																				
ZZZZZZ			12:58																				
CCV 240-80224/10-A			12:59																				
CCB 240-80224/11-A			13:01																				
ZZZZZZ			13:03																				
ZZZZZZ			13:05																				
ZZZZZZ			13:07																				
ZZZZZZ			13:08																				
ZZZZZZ			13:09																				
ZZZZZZ			13:11																				
ZZZZZZ			13:12																				
ZZZZZZ			13:13																				
ZZZZZZ			13:15																				
ZZZZZZ			13:17																				
CCV 240-80224/10-A			13:18																				
CCB 240-80224/11-A			13:19																				
ZZZZZZ			13:21																				
ZZZZZZ			13:22																				
ZZZZZZ			13:23																				
ZZZZZZ			13:25																				
CCV 240-80224/10-A			13:27																				
CCB 240-80224/11-A			13:28																				
ZZZZZZ			13:29																				
ZZZZZZ			13:31																				
ZZZZZZ			13:32																				
ZZZZZZ			13:34																				
ZZZZZZ			13:35																				
ZZZZZZ			13:36																				
ZZZZZZ			13:38																				
CCV 240-80224/10-A	1		13:40	X																			
CCB 240-80224/11-A	1		13:41	X																			
ZZZZZZ			13:43																				
MB 240-79782/1-A	1	T	13:44	X																			
LCS 240-79782/2-A	1	T	13:46	X																			
240-22141-23	1	T	13:47	X																			
240-22141-23 MS	1	T	13:49	X																			
240-22141-23 DU	1	T	13:50	X																			
240-22141-24	1	T	13:51	X																			
240-22141-25	1	T	13:52	X																			
240-22141-26	1	T	13:54	X																			
240-22141-27	1	T	13:57	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/02/2013 11:51 End Date: 04/02/2013 16:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCV 240-80224/10-A	1		13:58	X																			
CCB 240-80224/11-A	1		13:59	X																			
240-22141-30	1	T	14:01	X																			
240-22141-31	1	T	14:02	X																			
ZZZZZZ			14:03																				
ZZZZZZ			14:04																				
ZZZZZZ			14:06																				
ZZZZZZ			14:07																				
ZZZZZZ			14:09																				
ZZZZZZ			14:10																				
ZZZZZZ			14:11																				
ZZZZZZ			14:12																				
CCV 240-80224/10-A	1		14:14	X																			
CCB 240-80224/11-A	1		14:15	X																			
ZZZZZZ			14:16																				
ZZZZZZ			14:18																				
ZZZZZZ			14:19																				
ZZZZZZ			14:20																				
ZZZZZZ			14:22																				
ZZZZZZ			14:23																				
ZZZZZZ			14:24																				
ZZZZZZ			14:27																				
ZZZZZZ			14:28																				
ZZZZZZ			14:30																				
CCV 240-80224/10-A			14:31																				
CCB 240-80224/11-A			14:33																				
CCV 240-80224/10-A			14:38																				
CCB 240-80224/11-A			14:39																				
ZZZZZZ			14:41																				
ZZZZZZ			14:42																				
ZZZZZZ			14:44																				
ZZZZZZ			14:45																				
ZZZZZZ			14:47																				
ZZZZZZ			14:48																				
ZZZZZZ			14:49																				
ZZZZZZ			14:51																				
ZZZZZZ			14:52																				
ZZZZZZ			14:54																				
CCV 240-80224/10-A			14:56																				
CCB 240-80224/11-A			14:58																				
ZZZZZZ			15:00																				
ZZZZZZ			15:02																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/02/2013 11:51 End Date: 04/02/2013 16:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			15:03																				
ZZZZZZ			15:04																				
ZZZZZZ			15:07																				
ZZZZZZ			15:08																				
ZZZZZZ			15:09																				
ZZZZZZ			15:11																				
ZZZZZZ			15:12																				
ZZZZZZ			15:14																				
CCV 240-80224/10-A			15:16																				
CCB 240-80224/11-A			15:17																				
ZZZZZZ			15:19																				
ZZZZZZ			15:20																				
ZZZZZZ			15:21																				
ZZZZZZ			15:23																				
ZZZZZZ			15:24																				
ZZZZZZ			15:26																				
ZZZZZZ			15:27																				
ZZZZZZ			15:29																				
ZZZZZZ			15:30																				
ZZZZZZ			15:32																				
CCV 240-80224/10-A			15:33																				
CCB 240-80224/11-A			15:35																				
ZZZZZZ			15:36																				
ZZZZZZ			15:38																				
ZZZZZZ			15:40																				
ZZZZZZ			15:42																				
ZZZZZZ			15:43																				
ZZZZZZ			15:45																				
ZZZZZZ			15:46																				
ZZZZZZ			15:48																				
ZZZZZZ			15:49																				
ZZZZZZ			15:51																				
CCV 240-80224/10-A			15:52																				
CCB 240-80224/11-A			15:54																				
ZZZZZZ			15:56																				
ZZZZZZ			15:58																				
ZZZZZZ			15:59																				
CRA 240-80224/9-A	1		16:00	X																			
CRA 240-80224/9-A			16:02																				
CCV 240-80224/10-A			16:03																				
CCB 240-80224/11-A			16:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 04/02/2013 11:51 End Date: 04/02/2013 16:05

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/10/2013 14:10 End Date: 04/11/2013 13:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ITUNE 180-68949/1			14:10																				
STD1 180-68949/2 IC	1		19:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 180-68949/3 IC	1		19:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD3 180-68949/4 IC	1		20:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 180-68949/5	1		20:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 180-68949/6	1		20:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-68949/7	1		20:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-68949/8	1		20:29		X		X					X	X	X			X		X	X			
CCV 180-68949/9	1		20:37						X						X	X		X					
ICSA 180-68949/10	1		20:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 180-68949/11	1		20:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-68949/12	1		21:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB1 180-68949/13	1		21:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 180-67705/1-A	1	T	21:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 180-67705/2-A	1	T	21:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-21	1	T	21:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-21 SD	5	T	21:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-21 MS	1	T	21:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-21 MSD	1	T	22:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-21 PDS	1	T	22:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-22	1	T	22:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-23	1	T	22:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-24	1	T	22:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-68949/24	1		22:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB2 180-68949/25	1		22:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-25	1	T	22:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-26	1	T	23:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-27	1	T	23:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-28	1	T	23:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-29	1	T	23:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-30	1	T	23:35	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-31	1	T	23:43	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
MB 180-67702/1-A	1	T	23:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 180-67702/2-A	1	T	00:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-1	1	T	00:08	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCV 180-68949/36	1		00:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB3 180-68949/37	1		00:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-1 SD	5	T	00:33	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-1 MS	1	T	00:41	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-1 MSD	1	T	00:49	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-1 PDS	1	T	00:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-2	1	T	01:06	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/10/2013 14:10 End Date: 04/11/2013 13:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
240-22141-3	1	T	01:14	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-4	1	T	01:22	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-5	1	T	01:30	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-6	1	T	01:38	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-7	1	T	01:47	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
CCV 180-68949/48	1		01:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB4 180-68949/49	1		02:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-8	1	T	02:12	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-9	1	T	02:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-10	1	T	02:28	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-11	1	T	02:36	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-12	1	T	02:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-13	1	T	02:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-14	1	T	03:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-15	1	T	03:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-16	1	T	03:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-17	1	T	03:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-68949/60	1		03:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB5 180-68949/61	1		03:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-18	1	T	03:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
240-22141-19	1	T	04:00	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
240-22141-20	1	T	04:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			04:17																				
ZZZZZZ			04:25																				
ZZZZZZ			04:33																				
ZZZZZZ			04:41																				
ZZZZZZ			04:50																				
ZZZZZZ			04:58																				
ZZZZZZ			05:06																				
CCV 180-68949/72	1		05:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB6 180-68949/73	1		05:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-68949/74	1		05:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-68949/75			05:39																				
CCV 180-68949/76			05:47																				
CCB7 180-68949/77			05:55																				
ZZZZZZ			06:04																				
ZZZZZZ			06:12																				
ZZZZZZ			06:20																				
ZZZZZZ			06:28																				
ZZZZZZ			06:37																				
ZZZZZZ			06:45																				
ZZZZZZ			06:53																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/10/2013 14:10 End Date: 04/11/2013 13:02

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			07:01																					
ZZZZZZ			07:09																					
ZZZZZZ			07:18																					
CCV 180-68949/88			07:26																					
CCB7 180-68949/89			07:34																					
ZZZZZZ			07:42																					
ZZZZZZ			07:50																					
ZZZZZZ			07:59																					
ZZZZZZ			08:07																					
ZZZZZZ			08:15																					
ZZZZZZ			08:23																					
ZZZZZZ			08:32																					
ZZZZZZ			08:40																					
ZZZZZZ			08:48																					
ZZZZZZ			08:56																					
CCV 180-68949/100			09:05																					
CCB8 180-68949/101			09:13																					
ZZZZZZ			09:21																					
ZZZZZZ			09:29																					
ZZZZZZ			09:38																					
ZZZZZZ			09:46																					
ZZZZZZ			11:59																					
ZZZZZZ			12:08																					
ZZZZZZ			12:17																					
ZZZZZZ			12:27																					
ZZZZZZ			12:37																					
ZZZZZZ			12:45																					
CCV 180-68949/112			12:53																					
CCB9 180-68949/113			13:02																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/10/2013 14:10 End Date: 04/11/2013 13:02

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ITUNE 180-68949/1			14:10																				
STD1 180-68949/2 IC	1		19:50	X	X																		
STD2 180-68949/3 IC	1		19:55	X	X																		
STD3 180-68949/4 IC	1		20:00	X	X																		
ICV 180-68949/5	1		20:05	X	X																		
ICB 180-68949/6	1		20:13	X	X																		
CRI 180-68949/7	1		20:21	X	X																		
CCV 180-68949/8	1		20:29		X																		
CCV 180-68949/9	1		20:37																				
ICSA 180-68949/10	1		20:46	X	X																		
ICSAB 180-68949/11	1		20:54	X	X																		
CCV 180-68949/12	1		21:02	X	X																		
CCB1 180-68949/13	1		21:10	X	X																		
MB 180-67705/1-A	1	T	21:19	X	X																		
LCS 180-67705/2-A	1	T	21:27	X	X																		
240-22141-21	1	T	21:35	X	X																		
240-22141-21 SD	5	T	21:43	X	X																		
240-22141-21 MS	1	T	21:51	X	X																		
240-22141-21 MSD	1	T	22:00	X	X																		
240-22141-21 PDS	1	T	22:08	X	X																		
240-22141-22	1	T	22:16	X	X																		
240-22141-23	1	T	22:24	X	X																		
240-22141-24	1	T	22:33	X	X																		
CCV 180-68949/24	1		22:41	X	X																		
CCB2 180-68949/25	1		22:49	X	X																		
240-22141-25	1	T	22:54	X	X																		
240-22141-26	1	T	23:02	X	X																		
240-22141-27	1	T	23:10	X	X																		
240-22141-28	1	T	23:18	X	X																		
240-22141-29	1	T	23:27	X	X																		
240-22141-30	1	T	23:35	X	X																		
240-22141-31	1	T	23:43	X	X																		
MB 180-67702/1-A	1	T	23:51	X	X																		
LCS 180-67702/2-A	1	T	00:00	X	X																		
240-22141-1	1	T	00:08	X	X																		
CCV 180-68949/36	1		00:16	X	X																		
CCB3 180-68949/37	1		00:24	X	X																		
240-22141-1 SD	5	T	00:33	X	X																		
240-22141-1 MS	1	T	00:41	X	X																		
240-22141-1 MSD	1	T	00:49	X	X																		
240-22141-1 PDS	1	T	00:57	X	X																		
240-22141-2	1	T	01:06	X	X																		

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/10/2013 14:10 End Date: 04/11/2013 13:02

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
240-22141-3	1	T	01:14	X	X																		
240-22141-4	1	T	01:22	X	X																		
240-22141-5	1	T	01:30	X	X																		
240-22141-6	1	T	01:38	X	X																		
240-22141-7	1	T	01:47	X	X																		
CCV 180-68949/48	1		01:55	X	X																		
CCB4 180-68949/49	1		02:03	X	X																		
240-22141-8	1	T	02:12	X	X																		
240-22141-9	1	T	02:20	X	X																		
240-22141-10	1	T	02:28	X	X																		
240-22141-11	1	T	02:36	X	X																		
240-22141-12	1	T	02:45	X	X																		
240-22141-13	1	T	02:53	X	X																		
240-22141-14	1	T	03:01	X	X																		
240-22141-15	1	T	03:09	X	X																		
240-22141-16	1	T	03:18	X	X																		
240-22141-17	1	T	03:26	X	X																		
CCV 180-68949/60	1		03:34	X	X																		
CCB5 180-68949/61	1		03:44	X	X																		
240-22141-18	1	T	03:52	X	X																		
240-22141-19	1	T	04:00	X	X																		
240-22141-20	1	T	04:09	X	X																		
ZZZZZZ			04:17																				
ZZZZZZ			04:25																				
ZZZZZZ			04:33																				
ZZZZZZ			04:41																				
ZZZZZZ			04:50																				
ZZZZZZ			04:58																				
ZZZZZZ			05:06																				
CCV 180-68949/72	1		05:14	X	X																		
CCB6 180-68949/73	1		05:22	X	X																		
CRI 180-68949/74	1		05:31	X	X																		
CRI 180-68949/75			05:39																				
CCV 180-68949/76			05:47																				
CCB7 180-68949/77			05:55																				
ZZZZZZ			06:04																				
ZZZZZZ			06:12																				
ZZZZZZ			06:20																				
ZZZZZZ			06:28																				
ZZZZZZ			06:37																				
ZZZZZZ			06:45																				
ZZZZZZ			06:53																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/10/2013 14:10 End Date: 04/11/2013 13:02

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			07:01																				
ZZZZZZ			07:09																				
ZZZZZZ			07:18																				
CCV 180-68949/88			07:26																				
CCB7 180-68949/89			07:34																				
ZZZZZZ			07:42																				
ZZZZZZ			07:50																				
ZZZZZZ			07:59																				
ZZZZZZ			08:07																				
ZZZZZZ			08:15																				
ZZZZZZ			08:23																				
ZZZZZZ			08:32																				
ZZZZZZ			08:40																				
ZZZZZZ			08:48																				
ZZZZZZ			08:56																				
CCV 180-68949/100			09:05																				
CCB8 180-68949/101			09:13																				
ZZZZZZ			09:21																				
ZZZZZZ			09:29																				
ZZZZZZ			09:38																				
ZZZZZZ			09:46																				
ZZZZZZ			11:59																				
ZZZZZZ			12:08																				
ZZZZZZ			12:17																				
ZZZZZZ			12:27																				
ZZZZZZ			12:37																				
ZZZZZZ			12:45																				
CCV 180-68949/112			12:53																				
CCB9 180-68949/113			13:02																				

Prep Types

T = Total/NA

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/12/2013 12:07 End Date: 04/13/2013 04:43

Lab Sample ID	D / F	Type	Time	Analytes																				
				Mn																				
ITUNE 180-69084/1			12:07																					
STD1 180-69084/2 IC	1		13:23	X																				
STD2 180-69084/3 IC	1		13:33	X																				
STD3 180-69084/4 IC	1		13:38	X																				
ICV 180-69084/5	1		13:43	X																				
ICB 180-69084/6	1		13:51	X																				
CRI 180-69084/7	1		13:59	X																				
CCV 180-69084/8	1		14:09	X																				
CCV 180-69084/9	1		14:17																					
ICSA 180-69084/10	1		14:25	X																				
ICSAB 180-69084/11	1		14:34	X																				
CCV 180-69084/12	1		14:42	X																				
CCB1 180-69084/13	1		14:50	X																				
ZZZZZZ			14:58																					
ZZZZZZ			15:07																					
ZZZZZZ			15:15																					
ZZZZZZ			15:23																					
ZZZZZZ			15:31																					
ZZZZZZ			15:39																					
ZZZZZZ			15:48																					
ZZZZZZ			15:56																					
ZZZZZZ			16:04																					
ZZZZZZ			16:12																					
CCV 180-69084/24	1		16:21	X																				
CCB2 180-69084/25	1		16:29	X																				
ZZZZZZ			16:34																					
ZZZZZZ			16:42																					
ZZZZZZ			16:50																					
ZZZZZZ			16:58																					
ZZZZZZ			17:07																					
ZZZZZZ			17:15																					
ZZZZZZ			17:23																					
240-22141-30	10	T	17:31	X																				
240-22141-31	10	T	17:39	X																				
240-22141-1	10	T	17:48	X																				
CCV 180-69084/36	1		17:56	X																				
CCB3 180-69084/37	1		18:04	X																				
240-22141-1 SD	50	T	18:12	X																				
240-22141-1 MS	10	T	18:21	X																				
240-22141-1 MSD	10	T	18:29	X																				
240-22141-1 PDS	10	T	18:37	X																				
240-22141-2	100	T	18:45	X																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/12/2013 12:07 End Date: 04/13/2013 04:43

Lab Sample ID	D / F	Type	Time	Analytes																			
				Mn																			
240-22141-3	100	T	18:54	X																			
240-22141-4	10	T	19:02	X																			
240-22141-5	10	T	19:10	X																			
240-22141-6	100	T	19:18	X																			
240-22141-7	100	T	19:27	X																			
CCV 180-69084/48	1		19:35	X																			
CCB4 180-69084/49	1		19:43	X																			
240-22141-8	10	T	19:51	X																			
240-22141-10	100	T	20:00	X																			
240-22141-11	100	T	20:08	X																			
240-22141-19	10	T	20:16	X																			
ZZZZZZ			20:24																				
ZZZZZZ			20:33																				
ZZZZZZ			20:41																				
CRI 180-69084/57			20:49																				
CRI 180-69084/58			20:57																				
CCV 180-69084/59	1		21:06	X																			
CCB5 180-69084/60	1		21:15	X																			
ZZZZZZ			21:24																				
ZZZZZZ			21:32																				
ZZZZZZ			21:40																				
ZZZZZZ			21:48																				
ZZZZZZ			21:56																				
ZZZZZZ			22:05																				
ZZZZZZ			22:13																				
ZZZZZZ			22:21																				
ZZZZZZ			22:29																				
ZZZZZZ			22:38																				
CCV 180-69084/71			22:46																				
CCB6 180-69084/72			22:54																				
ZZZZZZ			23:02																				
ZZZZZZ			23:10																				
ZZZZZZ			23:19																				
ZZZZZZ			23:27																				
ZZZZZZ			23:35																				
ZZZZZZ			23:43																				
ZZZZZZ			23:51																				
ZZZZZZ			00:00																				
ZZZZZZ			00:08																				
ZZZZZZ			00:16																				
CCV 180-69084/83			00:24																				
CCB7 180-69084/84			00:33																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Instrument ID: M Method: 6020/DOD

Start Date: 04/12/2013 12:07 End Date: 04/13/2013 04:43

Lab Sample ID	D / F	Type	Time	Analytes																			
				Mn																			
ZZZZZZ			00:41																				
ZZZZZZ			00:49																				
ZZZZZZ			00:57																				
ZZZZZZ			01:06																				
ZZZZZZ			01:14																				
ZZZZZZ			01:24																				
ZZZZZZ			01:32																				
ZZZZZZ			01:40																				
ZZZZZZ			01:50																				
ZZZZZZ			01:58																				
CCV 180-69084/95			02:06																				
CCB8 180-69084/96			02:14																				
ZZZZZZ			02:23																				
ZZZZZZ			02:31																				
ZZZZZZ			02:39																				
ZZZZZZ			02:48																				
ZZZZZZ			02:56																				
ZZZZZZ			03:04																				
ZZZZZZ			03:12																				
ZZZZZZ			03:20																				
ZZZZZZ			03:29																				
ZZZZZZ			03:37																				
CCV 180-69084/107			03:45																				
CCB9 180-69084/108			03:54																				
ZZZZZZ			04:02																				
ZZZZZZ			04:10																				
CRI 180-69084/111			04:18																				
CRI 180-69084/112			04:27																				
CCV 180-69084/113			04:35																				
CCB10 180-69084/114			04:43																				

Prep Types

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 04/10/2013 End Date: 04/11/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
STD1 180-68949/2 IC	19:50	100		100		100		100		100	
STD2 180-68949/3 IC	19:55	93		93		94		90		94	
STD3 180-68949/4 IC	20:00	93		96		97		96		97	
ICV 180-68949/5	20:05	97		93		96		93		99	
ICB 180-68949/6	20:13	102		103		98		98		98	
CRI 180-68949/7	20:21	104		97		94		97		96	
CCV 180-68949/8	20:29	81		78		81		79		85	
CCV 180-68949/9	20:37	90		97		98		89		94	
ICSA 180-68949/10	20:46	91		102		93		95		98	
ICSAB 180-68949/11	20:54	88		92		94		97		96	
CCV 180-68949/12	21:02	94		99		99		96		99	
CCB1 180-68949/13	21:10	111		118		114		106		105	
MB 180-67705/1-A	21:19	105		110		109		109		108	
LCS 180-67705/2-A	21:27	93		96		96		92		95	
240-22141-21	21:35	91		111		0		98		103	
240-22141-21 SD	21:43	99		109		0		105		107	
240-22141-21 MS	21:51	83		106		0		92		97	
240-22141-21 MSD	22:00	80		103		0		90		96	
240-22141-21 PDS	22:08	81		100		0		90		94	
240-22141-22	22:16	88		99		0		96		98	
240-22141-23	22:24	86		100		0		95		98	
240-22141-24	22:33	84		102		0		94		99	
CCV 180-68949/24	22:41	92		98		98		96		98	
CCB2 180-68949/25	22:49	106		114		111		104		103	
240-22141-25	22:54	84		101		0		95		97	
240-22141-26	23:02	85		99		0		94		97	
240-22141-27	23:10	83		98		0		93		96	
240-22141-28	23:18	84		95		0		93		95	
240-22141-29	23:27	83		97		0		92		95	
240-22141-30	23:35	79		90		0		88		91	
240-22141-31	23:43	80		92		0		89		93	
MB 180-67702/1-A	23:51	96		104		105		106		104	
LCS 180-67702/2-A	00:00	81		87		84		86		87	
240-22141-1	00:08	73		84		0		82		85	
CCV 180-68949/36	00:16	81		86		87		86		87	
CCB3 180-68949/37	00:24	108		104		99		101		91	
240-22141-1 SD	00:33	80		87		97		88		89	
240-22141-1 MS	00:41	69		84		0		80		83	
240-22141-1 MSD	00:49	68		84		0		79		83	
240-22141-1 PDS	00:57	68		82		0		79		81	
240-22141-2	01:06	67		76		0		77		80	
240-22141-3	01:14	64		74		0		74		77	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 04/10/2013 End Date: 04/11/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
240-22141-4	01:22	64		75		0		74		77	
240-22141-5	01:30	67		77		0		78		80	
240-22141-6	01:38	62		71		0		72		75	
240-22141-7	01:47	60		68		0		71		74	
CCV 180-68949/48	01:55	66		68		71		73		73	
CCB4 180-68949/49	02:03	91		97		81		89		85	
240-22141-8	02:12	60		71		0		73		74	
240-22141-9	02:20	61		73		0		74		75	
240-22141-10	02:28	58		67		0		69		73	
240-22141-11	02:36	56		65		0		68		70	
240-22141-12	02:45	58		69		0		71		72	
240-22141-13	02:53	60		69		0		71		72	
240-22141-14	03:01	60		68		0		72		72	
240-22141-15	03:09	59		68		0		71		71	
240-22141-16	03:18	57		66		0		69		70	
240-22141-17	03:26	57		65		0		69		69	
CCV 180-68949/60	03:34	61		64		67		69		68	
CCB5 180-68949/61	03:44	92		87		82		93		87	
240-22141-18	03:52	57		66		0		69		69	
240-22141-19	04:00	56		64		0		67		68	
240-22141-20	04:09	55		64		0		67		68	
CCV 180-68949/72	05:14	59		60		63		65		65	
CCB6 180-68949/73	05:22	82		82		81		88		81	
CRI 180-68949/74	05:31	62		74		68		74		70	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 04/10/2013 End Date: 04/11/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-68949/2 IC	19:50	100		100		100					
STD2 180-68949/3 IC	19:55	97		97		93					
STD3 180-68949/4 IC	20:00	98		98		98					
ICV 180-68949/5	20:05	96		97		97					
ICB 180-68949/6	20:13	98		98		100					
CRI 180-68949/7	20:21	97		97		97					
CCV 180-68949/8	20:29	86		87		85					
CCV 180-68949/9	20:37	95		95		83					
ICSA 180-68949/10	20:46	101		96		97					
ICSAB 180-68949/11	20:54	101		96		97					
CCV 180-68949/12	21:02	101		101		97					
CCB1 180-68949/13	21:10	104		104		104					
MB 180-67705/1-A	21:19	106		106		106					
LCS 180-67705/2-A	21:27	98		99		95					
240-22141-21	21:35	117		116		100					
240-22141-21 SD	21:43	110		109		101					
240-22141-21 MS	21:51	114		112		95					
240-22141-21 MSD	22:00	112		110		92					
240-22141-21 PDS	22:08	110		109		93					
240-22141-22	22:16	105		104		99					
240-22141-23	22:24	111		109		100					
240-22141-24	22:33	114		113		99					
CCV 180-68949/24	22:41	100		100		97					
CCB2 180-68949/25	22:49	101		101		103					
240-22141-25	22:54	110		108		99					
240-22141-26	23:02	106		105		100					
240-22141-27	23:10	108		107		98					
240-22141-28	23:18	100		100		98					
240-22141-29	23:27	101		101		97					
240-22141-30	23:35	100		99		95					
240-22141-31	23:43	101		101		96					
MB 180-67702/1-A	23:51	104		104		107					
LCS 180-67702/2-A	00:00	92		93		93					
240-22141-1	00:08	94		94		90					
CCV 180-68949/36	00:16	90		91		92					
CCB3 180-68949/37	00:24	93		93		98					
240-22141-1 SD	00:33	92		93		93					
240-22141-1 MS	00:41	93		94		89					
240-22141-1 MSD	00:49	93		93		88					
240-22141-1 PDS	00:57	92		92		87					
240-22141-2	01:06	89		90		87					
240-22141-3	01:14	87		88		85					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 04/10/2013 End Date: 04/11/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
240-22141-4	01:22	88		88		87					
240-22141-5	01:30	89		90		90					
240-22141-6	01:38	92		89		85					
240-22141-7	01:47	84		85		84					
CCV 180-68949/48	01:55	79		80		84					
CCB4 180-68949/49	02:03	88		88		100					
240-22141-8	02:12	85		85		86					
240-22141-9	02:20	87		87		87					
240-22141-10	02:28	83		83		83					
240-22141-11	02:36	82		83		82					
240-22141-12	02:45	86		86		84					
240-22141-13	02:53	87		86		84					
240-22141-14	03:01	85		85		85					
240-22141-15	03:09	85		85		85					
240-22141-16	03:18	85		85		84					
240-22141-17	03:26	82		82		84					
CCV 180-68949/60	03:34	75		76		81					
CCB5 180-68949/61	03:44	87		87		98					
240-22141-18	03:52	82		81		82					
240-22141-19	04:00	78		78		82					
240-22141-20	04:09	79		79		83					
CCV 180-68949/72	05:14	71		72		79					
CCB6 180-68949/73	05:22	82		83		95					
CRI 180-68949/74	05:31	74		75		87					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 04/12/2013 End Date: 04/12/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
STD1 180-69084/2 IC	13:23	100		100		100		100		100	
STD2 180-69084/3 IC	13:33	90		90		91		89		91	
STD3 180-69084/4 IC	13:38	90		90		92		93		93	
ICV 180-69084/5	13:43	90		89		91		90		92	
ICB 180-69084/6	13:51	96		95		88		89		89	
CRI 180-69084/7	13:59	93		91		90		94		94	
CCV 180-69084/8	14:09	82		80		81		82		86	
CCV 180-69084/9	14:17	95		104		105		96		101	
ICSA 180-69084/10	14:25	85		88		92		90		95	
ICSAB 180-69084/11	14:34	82		85		90		87		92	
CCV 180-69084/12	14:42	90		93		95		93		94	
CCB1 180-69084/13	14:50	98		96		96		96		96	
CCV 180-69084/24	16:21	76		69		73		74		74	
CCB2 180-69084/25	16:29	116		83		82		84		84	
240-22141-30	17:31	71		68		74		73		73	
240-22141-31	17:39	71		71		77		75		74	
240-22141-1	17:48	72		71		77		74		75	
CCV 180-69084/36	17:56	70		69		71		72		73	
CCB3 180-69084/37	18:04	113		83		82		90		85	
240-22141-1 SD	18:12	75		76		77		78		77	
240-22141-1 MS	18:21	69		71		77		73		74	
240-22141-1 MSD	18:29	70		72		79		74		76	
240-22141-1 PDS	18:37	70		72		78		74		76	
240-22141-2	18:45	74		73		78		80		80	
240-22141-3	18:54	75		75		80		81		81	
240-22141-4	19:02	73		73		82		78		78	
240-22141-5	19:10	76		76		82		80		79	
240-22141-6	19:18	77		77		81		81		81	
240-22141-7	19:27	79		79		81		82		81	
CCV 180-69084/48	19:35	77		74		76		76		77	
CCB4 180-69084/49	19:43	111		84		84		93		86	
240-22141-8	19:51	73		74		80		77		77	
240-22141-10	20:00	77		78		80		81		81	
240-22141-11	20:08	78		78		80		81		81	
240-22141-19	20:16	77		77		81		79		79	
CCV 180-69084/59	21:06	77		74		74		73		75	
CCB5 180-69084/60	21:15	118		83		87		90		90	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 04/12/2013 End Date: 04/12/2013

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-69084/2 IC	13:23	100		100		100					
STD2 180-69084/3 IC	13:33	94		94		87					
STD3 180-69084/4 IC	13:38	94		94		89					
ICV 180-69084/5	13:43	94		94		86					
ICB 180-69084/6	13:51	90		91		86					
CRI 180-69084/7	13:59	94		94		91					
CCV 180-69084/8	14:09	86		86		88					
CCV 180-69084/9	14:17	106		107		92					
ICSA 180-69084/10	14:25	97		98		91					
ICSAB 180-69084/11	14:34	95		95		89					
CCV 180-69084/12	14:42	96		96		89					
CCB1 180-69084/13	14:50	96		96		94					
CCV 180-69084/24	16:21	76		76		73					
CCB2 180-69084/25	16:29	86		86		84					
240-22141-30	17:31	76		76		73					
240-22141-31	17:39	78		78		75					
240-22141-1	17:48	78		78		75					
CCV 180-69084/36	17:56	76		77		71					
CCB3 180-69084/37	18:04	86		86		83					
240-22141-1 SD	18:12	79		79		76					
240-22141-1 MS	18:21	77		78		74					
240-22141-1 MSD	18:29	79		80		75					
240-22141-1 PDS	18:37	79		80		75					
240-22141-2	18:45	80		81		66					
240-22141-3	18:54	81		83		72					
240-22141-4	19:02	79		80		73					
240-22141-5	19:10	81		81		78					
240-22141-6	19:18	81		82		78					
240-22141-7	19:27	82		83		80					
CCV 180-69084/48	19:35	79		80		74					
CCB4 180-69084/49	19:43	88		88		84					
240-22141-8	19:51	79		80		75					
240-22141-10	20:00	82		83		78					
240-22141-11	20:08	82		82		78					
240-22141-19	20:16	81		81		78					
CCV 180-69084/59	21:06	77		78		72					
CCB5 180-69084/60	21:15	91		91		86					

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : 7471:

Run Date: 3-27-13 Analyst: RLT Instrument: H1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?				✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?				✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: Susan J Girard Date/Time: 3-27-13 3-26-13 Reviewed from 9:24 to 11:46
Analyst: Susan J Girard Date/Time: _____ Reviewed from 17:04 to 12:12 (3-28)

Comments: _____

Level II

Reviewer: [signature] Date/Time: 3/27/2013 Reviewed from 9:24 to 11:46
Reviewer: [signature] Date/Time: 3/28/2013 Reviewed from 7:04 to 12:12

Comments _____

Curve Date 3-26-13 Curve Time 4:20 - 4:50 DILUTION H20 NA

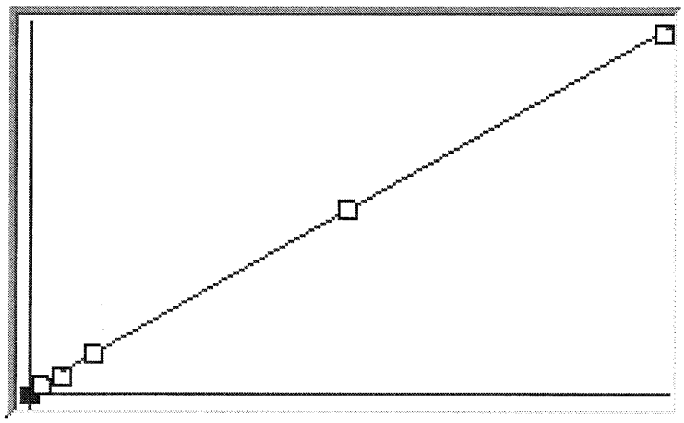
Revised 11/29/2012

Protocol: 0327AHG1

Wt lin

µ Abs

33669



Conc. 10.00

Calibrated

Accepted

A

B 2.97460e-4

C -7.95683e-2

Rhc .999847

Accepted Date: 27-Mar-13 09:33

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	-.0528	-.0528	91	0	90				
02	.20000	.1765	-.0235	862	0%	861				
03	.50000	.4740	-.0260	1861	0%	1861				
04	1.0000	1.049	.0490	3794	0%	3794				
05	5.0000	5.118	.1176	17473	0%	17472				
06	10.000	9.936	-.0644	33670	0%	33669				
07										
08										
09										
10										

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 09:09:19 27 Mar 13 HG

Hg .0000 ppb 64

*** Standard: 2 Rep: 1 Seq: 2 09:10:56 27 Mar 13 HG

Hg .2000 ppb 849

Recalibrate

*** Standard: 3 Rep: 1 Seq: 3 09:12:26 27 Mar 13 HG

Hg .5000 ppb 1776

*** Standard: 4 Rep: 1 Seq: 4 09:14:08 27 Mar 13 HG

Hg 1.000 ppb 3535

*** Standard: 5 Rep: 1 Seq: 5 09:15:38 27 Mar 13 HG

Hg 5.000 ppb 17185

*** Standard: 6 Rep: 1 Seq: 6 09:17:18 27 Mar 13 HG

Hg 10.00 ppb 33513

*** Check Standard: 2 Ck2ICV Seq: 7 09:21:35 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	H	110.7	2.766	2.500	ppb	.0000

*** Standard: 1 Rep: 1 Seq: 8 09:24:49 27 Mar 13 HG

Hg .0000 ppb 90

*** Standard: 2 Rep: 1 Seq: 9 09:26:55 27 Mar 13 HG

Hg .2000 ppb 861

*** Standard: 3 Rep: 1 Seq: 10 09:28:14 27 Mar 13 HG

Hg .5000 ppb 1861

*** Standard: 4 Rep: 1 Seq: 11 09:29:30 27 Mar 13 HG

Hg 1.000 ppb 3794

*** Standard: 5 Rep: 1 Seq: 12 09:31:17 27 Mar 13 HG

Hg 5.000 ppb 17472

*** Standard: 6 Rep: 1 Seq: 13 09:33:09 27 Mar 13 HG

Hg 10.00 ppb 33669

*** Check Standard: 2 Ck2ICV Seq: 14 09:34:58 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.2	2.656	2.500	ppb	.0000

*** Check Standard: 3 Ck3ICB Seq: 15 09:36:14 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		^^^^^^	-.0677	.0000	ppb	.0000

*** Check Standard: 4 Ck4CRA\MRL Seq: 16 09:37:51 27 Mar 13 HG

Rerun

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		65.81	.1316	.2000	ppb	.0000

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 4 Ck4CRA\MRL Seq: 17 09:41:52 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		85.30	.1706	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 18 09:45:27 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.43	4.972	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 19 09:47:24 27 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0843	.2000	ppb	.0000

*** Sample ID: Seq: 20 09:48:40 27 Mar 13 HG
mb 240-79493/1-a

Hg	-.0593	ppb	.0000	-.0593

*** Sample ID: Seq: 21 09:50:06 27 Mar 13 HG
lcs 240-79493/2-a

Hg	5.325	ppb	.0000	5.325

*** Sample ID: Seq: 22 09:51:32 27 Mar 13 HG
240-22274-c-3-a

Hg	.1441	ppb	.0000	.1441

*** Sample ID: Seq: 23 09:53:10 27 Mar 13 HG
240-22274-c-3-b du

Hg	.1581	ppb	.0000	.1581

*** Sample ID: Seq: 24 09:54:51 27 Mar 13 HG
240-22274-c-3-c ms

Hg	1.281	ppb	.0000	1.281

*** Sample ID: Seq: 25 09:56:07 27 Mar 13 HG
240-22274-e-2-a

Hg	.1313	ppb	.0000	.1313

*** Sample ID: Seq: 26 09:57:24 27 Mar 13 HG
240-22274-c-4-a

Hg	.1290	ppb	.0000	.1290

*** Sample ID: Seq: 27 09:58:45 27 Mar 13 HG
240-22274-c-5-a

Hg	.1159	ppb	.0000	.1159

*** Sample ID: Seq: 28 10:00:20 27 Mar 13 HG
240-22274-c-6-a

Hg	.1697	ppb	.0000	.1697

*** Sample ID: Seq: 29 10:01:40 27 Mar 13 HG
240-22274-c-14-a

Hg	.0599	ppb	.0000	.0599

*** Check Standard: 6 Ck6CCV Seq: 30 10:03:47 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.7	5.034	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 31 10:05:02 27 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.1173	.2000	ppb	.0000

*** Sample ID: Seq: 32 10:06:24 27 Mar 13 HG
240-22274-c-15-a

Hg	.1114	ppb	.0000	.1114

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 33 10:07:40 27 Mar 13 HG
240-22274-c-23-a
Hg .1849 ppb .0000 .1849

*** Sample ID: Seq: 34 10:09:34 27 Mar 13 HG
240-22274-c-24-a
Hg .0891 ppb .0000 .0891

*** Sample ID: Seq: 35 10:10:49 27 Mar 13 HG
240-22274-c-32-a
Hg .1239 ppb .0000 .1239

*** Sample ID: Seq: 36 10:12:07 27 Mar 13 HG
240-22274-c-33-a
Hg .1126 ppb .0000 .1126

*** Sample ID: Seq: 37 10:13:54 27 Mar 13 HG
240-22141-c-19-a
Hg .1563 ppb .0000 .1563

*** Sample ID: Seq: 38 10:15:10 27 Mar 13 HG
240-22141-c-20-a
Hg .0796 ppb .0000 .0796

*** Sample ID: Seq: 39 10:16:26 27 Mar 13 HG
240-22141-c-28-a
Hg .2241 ppb .0000 .2241

*** Sample ID: Seq: 40 10:18:33 27 Mar 13 HG
240-22141-c-29-a
Hg .1385 ppb .0000 .1385

*** Sample ID: Seq: 41 10:20:09 27 Mar 13 HG
240-22281-b-12-a
Hg .2024 ppb .0000 .2024

*** Check Standard: 6 Ck6CCV Seq: 42 10:21:46 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.2	5.062	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 43 10:23:02 27 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0073	.2000	ppb	.0000

*** Sample ID: Seq: 44 10:24:48 27 Mar 13 HG
240-22281-b-13-a
Hg .1718 ppb .0000 .1718

*** Sample ID: Seq: 45 10:26:08 27 Mar 13 HG
240-22281-b-14-a
Hg .0814 ppb .0000 .0814

*** Sample ID: Seq: 46 10:27:34 27 Mar 13 HG
240-22281-b-15-a
Hg .0576 ppb .0000 .0576

*** Sample ID: Seq: 47 10:28:54 27 Mar 13 HG
240-22281-b-16-a
Hg .2539 ppb .0000 .2539

*** Sample ID: Seq: 48 10:30:13 27 Mar 13 HG
CRA
Hg .1542 ppb .0000 .1542

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 49	10:31:29 27 Mar 13	HG		
				mb 240-79159/1-a				
Hg	-.0216	ppb	.0000	-.0216				
*** Sample ID:				Seq: 50	10:33:09 27 Mar 13	HG		
				lcs 240-79159/2-a				
Hg	5.458	ppb	.0000	5.458				
*** Sample ID:				Seq: 51	10:34:37 27 Mar 13	HG		
				240-22185-e-2-g				
Hg	-.0183	ppb	.0000	-.0183				
*** Sample ID:				Seq: 52	10:36:24 27 Mar 13	HG		
				240-22185-e-2-h ms				
Hg	1.112	ppb	.0000	1.112				
*** Sample ID:				Seq: 53	10:37:41 27 Mar 13	HG		
				240-22185-e-2-i msd				
Hg	1.125	ppb	.0000	1.125				

*** Check Standard: 6 Ck6CCV Seq: 54 10:38:58 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.1	5.054	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 55 10:41:47 27 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0385	.2000	ppb	.0000

*** Sample ID:				Seq: 56	10:43:02 27 Mar 13	HG		
				240-22185-d-3-c				
Hg	-.0352	ppb	.0000	-.0352				
*** Sample ID:				Seq: 57	10:44:29 27 Mar 13	HG		
				240-22174-e-7-b				
Hg	.0016	ppb	.0000	.0016				
*** Sample ID:				Seq: 58	10:45:58 27 Mar 13	HG		
				240-22174-e-11-b				
Hg	.0817	ppb	.0000	.0817				
*** Sample ID:				Seq: 59	10:47:39 27 Mar 13	HG		
				240-22266-f-1-b				
Hg	.1899	ppb	.0000	.1899				
*** Sample ID:				Seq: 60	10:48:58 27 Mar 13	HG		
				240-22266-g-2-b				
Hg	.0825	ppb	.0000	.0825				
*** Sample ID:				Seq: 61	10:50:26 27 Mar 13	HG		
				240-22266-f-3-b				
Hg	.0263	ppb	.0000	.0263				
*** Sample ID:				Seq: 62	10:51:53 27 Mar 13	HG		
				240-22266-f-4-b				
Hg	.1010	ppb	.0000	.1010				
*** Sample ID:				Seq: 63	10:53:22 27 Mar 13	HG		
				240-22266-f-5-b				
Hg	.2592	ppb	.0000	.2592				
*** Sample ID:				Seq: 64	10:54:52 27 Mar 13	HG		
				240-22266-f-6-b				
Hg	.0495	ppb	.0000	.0495				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 65	10:56:08 27 Mar 13	HG		
				240-22184-c-1-d				
Hg	.0567	ppb	.0000	.0567				
*** Check Standard: 6 Ck6CCV				Seq: 66	10:57:27 27 Mar 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.3	5.067	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 67	10:58:48 27 Mar 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0924	.2000	ppb	.0000			
*** Sample ID:				Seq: 68	11:00:34 27 Mar 13	HG		
				240-22184-c-2-d				
Hg	-.0174	ppb	.0000	-.0174				
*** Sample ID:				Seq: 69	11:01:55 27 Mar 13	HG		
				240-22184-c-3-d				
Hg	.0385	ppb	.0000	.0385				
*** Sample ID:				Seq: 70	11:03:45 27 Mar 13	HG		
				lb 240-78934/1-c				
Hg	-.0698	ppb	.0000	-.0698				
*** Sample ID:				Seq: 71	11:05:55 27 Mar 13	HG		
				mb 240-79168/2-a				
Hg	-.0659	ppb	.0000	-.0659				
*** Sample ID:				Seq: 72	11:07:26 27 Mar 13	HG		
				lcs 240-79168/3-a				
Hg	5.423	ppb	.0000	5.423				
*** Sample ID:				Seq: 73	11:08:45 27 Mar 13	HG		
				240-22019-c-1-m				
Hg	-.0412	ppb	.0000	-.0412				
*** Sample ID:				Seq: 74	11:10:21 27 Mar 13	HG		
				240-22019-c-1-n ms				
Hg	4.783	ppb	.0000	4.783				
*** Sample ID:				Seq: 75	11:11:38 27 Mar 13	HG		
				240-22019-c-1-o msd				
Hg	4.686	ppb	.0000	4.686				
*** Sample ID:				Seq: 76	11:13:34 27 Mar 13	HG		
				mb 240-79340/1-a				
Hg	-.0016	ppb	.0000	-.0016				
*** Sample ID:				Seq: 77	11:15:10 27 Mar 13	HG		
				lcs 240-79340/2-a				
Hg	5.791	ppb	.0000	5.791				
*** Check Standard: 6 Ck6CCV				Seq: 78	11:16:41 27 Mar 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.3	5.114	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 79	11:18:30 27 Mar 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0352	.2000	ppb	.0000			
*** Sample ID:				Seq: 80	11:19:46 27 Mar 13	HG		
				240-22317-o-3-a				
Hg	.0504	ppb	.0000	.0504				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 81	11:21:26 27 Mar 13	HG		
				240-22317-o-3-b ms				
Hg	1.249	ppb	.0000	1.249				
*** Sample ID:				Seq: 82	11:23:13 27 Mar 13	HG		
				240-22317-o-3-c msd				
Hg	1.272	ppb	.0000	1.272				
*** Sample ID:				Seq: 83	11:24:30 27 Mar 13	HG		
				240-22317-f-1-a				
Hg	.0531	ppb	.0000	.0531				
*** Sample ID:				Seq: 84	11:25:52 27 Mar 13	HG		
				240-22317-f-2-a				
Hg	.0504	ppb	.0000	.0504				
*** Sample ID:				Seq: 85	11:27:50 27 Mar 13	HG		
				240-22294-d-1-b				
Hg	.1861	ppb	.0000	.1861				
*** Sample ID:				Seq: 86	11:29:06 27 Mar 13	HG		
				240-22294-d-2-b				
Hg	.0305	ppb	.0000	.0305				
*** Sample ID:				Seq: 87	11:30:23 27 Mar 13	HG		
				240-22294-d-3-b				
Hg	.0189	ppb	.0000	.0189				
*** Sample ID:				Seq: 88	11:31:41 27 Mar 13	HG		
				240-22294-d-4-b				
Hg	.2503	ppb	.0000	.2503				
*** Sample ID:				Seq: 89	11:32:57 27 Mar 13	HG		
				240-22296-d-1-b				
Hg	.0120	ppb	.0000	.0120				

*** Check Standard: 6 Ck6CCV Seq: 90 11:34:18 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.1	5.106	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 91 11:35:33 27 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0555	.2000	ppb	.0000

*** Sample ID:				Seq: 92	11:37:32 27 Mar 13	HG		
				240-22296-d-2-b				
Hg	.0695	ppb	.0000	.0695				
*** Sample ID:				Seq: 93	11:38:49 27 Mar 13	HG		
				240-22296-d-3-b				
Hg	.0477	ppb	.0000	.0477				
*** Sample ID:				Seq: 94	11:40:06 27 Mar 13	HG		
				240-22297-c-4-a				
Hg	.5951	ppb	.0000	.5951				
*** Sample ID:				Seq: 95	11:41:43 27 Mar 13	HG		
				240-22297-c-5-a				
Hg	.7072	ppb	.0000	.7072				
*** Sample ID:				Seq: 96	11:43:05 27 Mar 13	HG		
				240-22335-b-1-a				
Hg	.3184	ppb	.0000	.3184				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 97 11:45:06 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.2	5.059	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 98 11:46:22 27 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0745	.2000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 99 17:04:13 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.40	4.820	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 100 17:05:42 27 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0846	.2000	ppb	.0000

*** Sample ID: Seq: 101 17:06:57 27 Mar 13 HG
mb 240-79646/1-a

Hg	-.0522	ppb	.0000	-.0522

*** Sample ID: Seq: 102 17:08:25 27 Mar 13 HG
lcs 240-79646/2-a

Hg	5.543	ppb	.0000	5.543

*** Sample ID: Seq: 103 17:09:50 27 Mar 13 HG
240-22141-b-1-b

Hg	.3318	ppb	.0000	.3318

*** Sample ID: Seq: 104 17:11:18 27 Mar 13 HG
240-22141-b-1-c du

Hg	.3274	ppb	.0000	.3274

*** Sample ID: Seq: 105 17:12:35 27 Mar 13 HG
240-22141-b-1-d ms

Hg	1.647	ppb	.0000	1.647

*** Sample ID: Seq: 106 17:13:55 27 Mar 13 HG
240-22141-b-2-b

Hg	.2375	ppb	.0000	.2375

*** Sample ID: Seq: 107 17:15:15 27 Mar 13 HG
240-22141-b-3-b

Hg	.6201	ppb	.0000	.6201

*** Sample ID: Seq: 108 17:16:42 27 Mar 13 HG
240-22141-b-4-b

Hg	.2310	ppb	.0000	.2310

*** Sample ID: Seq: 109 17:18:00 27 Mar 13 HG
240-22141-b-5-b

Hg	.2152	ppb	.0000	.2152

*** Sample ID: Seq: 110 17:19:17 27 Mar 13 HG
240-22141-b-6-b

Hg	.2563	ppb	.0000	.2563

*** Check Standard: 6 Ck6CCV Seq: 111 17:21:07 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		97.86	4.893	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 112 17:22:29 27 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0046	.2000	ppb	.0000

*** Sample ID: Seq: 113 17:23:59 27 Mar 13 HG
240-22141-b-7-b

Hg	.2899	ppb	.0000	.2899

*** Sample ID: Seq: 114 17:25:59 27 Mar 13 HG
240-22141-b-8-b

Hg	.1495	ppb	.0000	.1495

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 115	17:27:20 27 Mar 13	HG		
				240-22141-b-9-b				
Hg	.2057	ppb	.0000	.2057				
*** Sample ID:				Seq: 116	17:28:37 27 Mar 13	HG		
				240-22141-b-10-b				
Hg	.2155	ppb	.0000	.2155				
*** Sample ID:				Seq: 117	17:30:33 27 Mar 13	HG		
				240-22141-b-11-b				
Hg	.2247	ppb	.0000	.2247				
*** Sample ID:				Seq: 118	17:31:50 27 Mar 13	HG		
				240-22141-b-12-b				
Hg	.1287	ppb	.0000	.1287				
*** Sample ID:				Seq: 119	17:33:09 27 Mar 13	HG		
				240-22141-b-13-b				
Hg	.1191	ppb	.0000	.1191				
*** Sample ID:				Seq: 120	17:34:47 27 Mar 13	HG		
				240-22141-b-14-b				
Hg	.1057	ppb	.0000	.1057				
*** Sample ID:				Seq: 121	17:36:13 27 Mar 13	HG		
				240-22141-b-15-b				
Hg	.0091	ppb	.0000	.0091				
*** Sample ID:				Seq: 122	17:37:32 27 Mar 13	HG		
				240-22141-b-16-b				
Hg	.0522	ppb	.0000	.0522				
*** Check Standard: 6 Ck6CCV				Seq: 123	17:38:58 27 Mar 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.3	5.013	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 124	17:40:13 27 Mar 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0727	.2000	ppb	.0000			
*** Sample ID:				Seq: 125	17:41:33 27 Mar 13	HG		
				240-22141-b-17-b				
Hg	.1643	ppb	.0000	.1643				
*** Sample ID:				Seq: 126	17:43:08 27 Mar 13	HG		
				240-22141-b-18-b				
Hg	.0855	ppb	.0000	.0855				
*** Sample ID:				Seq: 127	17:44:34 27 Mar 13	HG		
				240-22141-b-21-b				
Hg	.0888	ppb	.0000	.0888				
*** Sample ID:				Seq: 128	17:46:24 27 Mar 13	HG		
				240-22141-b-22-b				
Hg	.0159	ppb	.0000	.0159				
*** Sample ID:				Seq: 129	17:48:11 27 Mar 13	HG		
				mb 240-79642/1-a				
Hg	-.0332	ppb	.0000	-.0332				
*** Sample ID:				Seq: 130	17:49:56 27 Mar 13	HG		
				lcs 240-79642/2-a				
Hg	5.528	ppb	.0000	5.528				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 131	17:51:26 27 Mar 13	HG		
				240-22379-e-1-b				
Hg	.0656	ppb	.0000	.0656				
*** Sample ID:				Seq: 132	17:52:54 27 Mar 13	HG		
				240-22379-e-1-c ms				
Hg	1.153	ppb	.0000	1.153				
*** Sample ID:				Seq: 133	17:54:26 27 Mar 13	HG		
				240-22379-e-1-d msd				
Hg	1.122	ppb	.0000	1.122				
*** Sample ID:				Seq: 134	17:56:06 27 Mar 13	HG		
				240-22379-d-2-b				
Hg	.0216	ppb	.0000	.0216				
*** Check Standard: 6 Ck6CCV				Seq: 135	17:57:28 27 Mar 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.37	4.969	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 136	17:59:05 27 Mar 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0695	.2000	ppb	.0000			
*** Sample ID:				Seq: 137	18:00:21 27 Mar 13	HG		
				240-22379-e-3-b				
Hg	.0864	ppb	.0000	.0864				
*** Sample ID:				Seq: 138	18:01:44 27 Mar 13	HG		
				240-22379-e-4-b				
Hg	.0748	ppb	.0000	.0748				
*** Sample ID:				Seq: 139	18:03:03 27 Mar 13	HG		
				240-22386-d-9-b				
Hg	.0846	ppb	.0000	.0846				
*** Sample ID:				Seq: 140	18:04:22 27 Mar 13	HG		
				240-22410-a-55-b				
Hg	4.006	ppb	.0000	4.006				
*** Sample ID:				Seq: 141	18:05:50 27 Mar 13	HG		
				240-22410-a-56-b				
Hg	-.0198	ppb	.0000	-.0198				
*** Sample ID:				Seq: 142	18:07:20 27 Mar 13	HG		
				240-22410-a-57-b				
Hg	.0501	ppb	.0000	.0501				
*** Sample ID:				Seq: 143	18:08:38 27 Mar 13	HG		
				240-22410-b-73-b				
Hg	72.34 H	ppb	.0000	72.34				
*** Sample ID:				Seq: 144	18:09:57 27 Mar 13	HG		
				240-22410-b-74-b				
Hg	1.294	ppb	.0000	1.294				
*** Sample ID:				Seq: 145	18:11:36 27 Mar 13	HG		
				240-22410-b-76-b				
Hg	.6837	ppb	.0000	.6837				
*** Sample ID:				Seq: 146	18:12:55 27 Mar 13	HG		
				240-22410-b-77-b				
Hg	1.306	ppb	.0000	1.306				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 147 18:14:22 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.54	4.977	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 148 18:15:48 27 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0314	.2000	ppb	.0000

*** Sample ID: Seq: 149 18:17:15 27 Mar 13 HG
240-22410-b-78-b

Hg	.5460	ppb	.0000	.5460

*** Sample ID: Seq: 150 18:18:33 27 Mar 13 HG
240-22410-b-79-b

Hg	.1736	ppb	.0000	.1736

*** Sample ID: Seq: 151 18:20:04 27 Mar 13 HG
240-22410-b-93-b

Hg	3.021	ppb	.0000	3.021

*** Sample ID: Seq: 152 18:21:52 27 Mar 13 HG
240-22410-b-94-b

Hg	1.114	ppb	.0000	1.114

*** Sample ID: Seq: 153 18:23:23 27 Mar 13 HG
~~mb 240-79646/1-a~~ 240-22410-b-95-b

Hg	1.624	ppb	.0000	1.624

*** Sample ID: Seq: 154 18:24:39 27 Mar 13 HG
~~lcs 240-79646/2-a~~ 240-22410-b-96-b

Hg	.2887	ppb	.0000	.2887

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*** Sample ID: Seq: 155 18:26:01 27 Mar 13 HG
~~240-22141-b-1-b~~ 460-52889-d-2-b

Hg	.0013	ppb	.0000	.0013

*** Sample ID: Seq: 156 18:27:18 27 Mar 13 HG
~~240-22141-b-1-c du~~ 460-52889-C-3-b

Hg	-.0231	ppb	.0000	-.0231

*** Check Standard: 6 Ck6CCV Seq: 157 18:29:14 27 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.74	4.937	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 158 18:30:30 27 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0656	.2000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 159 12:09:23 28 Mar 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		92.82	4.641	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 160 12:10:53 28 Mar 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0460	.2000	ppb	.0000

*** Sample ID: ~~240-22410-b-95-b~~ CRA Seq: 161 12:12:09 28 Mar 13 HG

Hg	.1599	ppb	.0000	.1599	SG 7-28-13

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : (7471)

Run Date: 4/2/2013 Analyst: A. Sutherland Instrument: H1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓		~~✓~~ ADS 4/3/2013	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [signature] Date/Time: 4/3/2013 Reviewed from 11:51 to 16:05

Analyst: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: _____

Level II

Reviewer: [signature] Date/Time: 4/3/13 Reviewed from 11:51 to 16:05

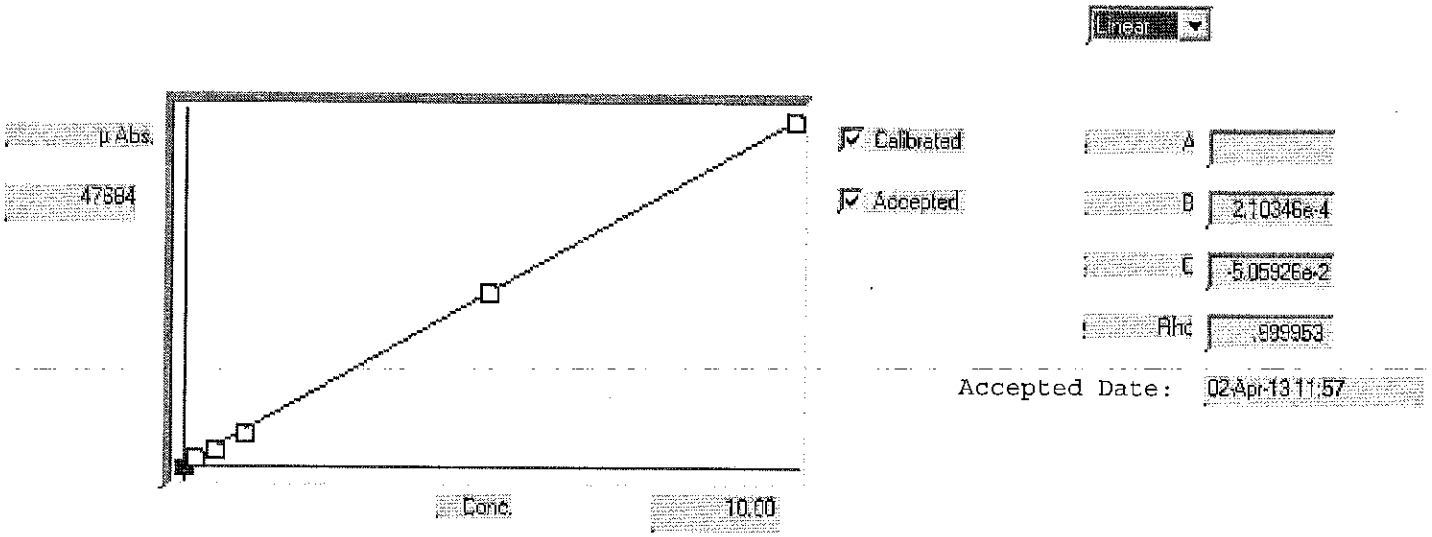
Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____

Comments _____

Curve Date 4/2/2013 Curve Time 9:25-9:55 DILUTION H20 00013

Revised 11/29/2012

Protocol: 0402BHG1



S	Conc.	Calc.	Dev	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	-.0472	-.0472	16	1	16				
02	.20000	.2502	.0502	1430	0%	1430				
03	.50000	.4999	-.0001	2618	0%	2617				
04	1.0000	.9753	-.0247	4877	0%	4877				
05	5.0000	5.042	.0423	24212	0%	24212				
06	10.000	9.980	-.0204	47685	0%	47684				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 11:51:04 02 Apr 13 HG

Hg .0000 ppb 16

*** Standard: 2 Rep: 1 Seq: 2 11:52:20 02 Apr 13 HG

Hg .2000 ppb 1430

*** Standard: 3 Rep: 1 Seq: 3 11:53:37 02 Apr 13 HG

Hg .5000 ppb 2617

*** Standard: 4 Rep: 1 Seq: 4 11:54:56 02 Apr 13 HG

Hg 1.000 ppb 4877

*** Standard: 5 Rep: 1 Seq: 5 11:56:14 02 Apr 13 HG

Hg 5.000 ppb 24212

*** Standard: 6 Rep: 1 Seq: 6 11:57:51 02 Apr 13 HG

Hg 10.00 ppb 47684

*** Check Standard: 2 Ck2ICV Seq: 7 11:59:12 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.90	2.473	2.500	ppb	.0000

*** Check Standard: 3 Ck3ICB Seq: 8 12:00:51 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		^^^^^^	.0062	.0000	ppb	.0000

*** Check Standard: 4 Ck4CRA\MRL Seq: 9 12:02:49 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.8	.2096	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 10 12:04:48 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.7	5.035	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 11 12:06:56 02 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0262	.2000	ppb	.0000

*** Sample ID: Seq: 12 12:08:23 02 Apr 13 HG
MB 240-79936/1-A
Hg -.0176 ppb .0000 -.0176

*** Sample ID: Seq: 13 12:09:41 02 Apr 13 HG
LCS 240-79936/2-A
Hg 4.941 ppb .0000 4.941

*** Sample ID: Seq: 14 12:10:59 02 Apr 13 HG
240-22471-D-1-F
Hg .0823 ppb .0000 .0823

*** Sample ID: Seq: 15 12:12:15 02 Apr 13 HG
240-22471-D-1-G MS
Hg 1.081 ppb .0000 1.081

*** Sample ID: Seq: 16 12:13:43 02 Apr 13 HG
240-22471-D-1-H MSD
Hg .9925 ppb .0000 .9925

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 17	12:15:11 02 Apr 13	HG		
				240-22471-E-2-D				
Hg	.0567	ppb	.0000	.0567				
*** Sample ID:				Seq: 18	12:16:27 02 Apr 13	HG		
				240-22471-D-3-D				
Hg	.0622	ppb	.0000	.0622				
*** Sample ID:				Seq: 19	12:17:56 02 Apr 13	HG		
				240-22471-D-4-D				
Hg	.0220	ppb	.0000	.0220				
*** Sample ID:				Seq: 20	12:19:33 02 Apr 13	HG		
				240-22471-D-5-D				
Hg	.1183	ppb	.0000	.1183				
*** Sample ID:				Seq: 21	12:20:51 02 Apr 13	HG		
				240-22471-D-6-D				
Hg	.0895	ppb	.0000	.0895				
*** Check Standard: 6 Ck6CCV				Seq: 22	12:22:21 02 Apr 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.1	5.055	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 23	12:23:36 02 Apr 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0201	.2000	ppb	.0000			
*** Sample ID:				Seq: 24	12:24:58 02 Apr 13	HG		
				240-22471-D-7-D				
Hg	.0239	ppb	.0000	.0239				
*** Sample ID:				Seq: 25	12:26:38 02 Apr 13	HG		
				240-22471-E-8-D				
Hg	.0737	ppb	.0000	.0737				
*** Sample ID:				Seq: 26	12:27:57 02 Apr 13	HG		
				240-22471-D-10-D				
Hg	.1101	ppb	.0000	.1101				
*** Sample ID:				Seq: 27	12:29:38 02 Apr 13	HG		
				240-22471-D-11-D				
Hg	-.0140	ppb	.0000	-.0140				
*** Sample ID:				Seq: 28	12:31:04 02 Apr 13	HG		
				240-22471-D-12-D				
Hg	.0948	ppb	.0000	.0948				
*** Sample ID:				Seq: 29	12:32:21 02 Apr 13	HG		
				240-22471-D-13-D				
Hg	.0918	ppb	.0000	.0918				
*** Sample ID:				Seq: 30	12:34:39 02 Apr 13	HG		
				240-22410-B-31-B				
Hg	.1572	ppb	.0000	.1572				
*** Sample ID:				Seq: 31	12:37:52 02 Apr 13	HG		
				240-22410-B-32-B				
Hg	-.0083	ppb	.0000	-.0083				
*** Sample ID:				Seq: 32	12:39:13 02 Apr 13	HG		
				240-22410-B-33-B				
Hg	.0361	ppb	.0000	.0361				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 33	12:40:34 02 Apr 13	HG		
				240-22410-B-34-B				
Hg	.0308	ppb	.0000	.0308				
*** Check Standard: 6 Ck6CCV				Seq: 34	12:41:51 02 Apr 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.1	5.056	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 35	12:43:08 02 Apr 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0514	.2000	ppb	.0000			
*** Sample ID:				Seq: 36	12:44:28 02 Apr 13	HG		
				240-22474-E-19-G				
Hg	.4054	ppb	.0000	.4054				
*** Sample ID:				Seq: 37	12:45:47 02 Apr 13	HG		
				240-22474-E-20-E				
Hg	.4322	ppb	.0000	.4322				
*** Sample ID:				Seq: 38	12:47:17 02 Apr 13	HG		
				240-22474-E-21-E				
Hg	.2330	ppb	.0000	.2330				
*** Sample ID:				Seq: 39	12:48:48 02 Apr 13	HG		
				240-22474-E-22-E				
Hg	.1804	ppb	.0000	.1804				
*** Sample ID:				Seq: 40	12:50:45 02 Apr 13	HG		
				LB 240-79835/1-C				
Hg	-.0439	ppb	.0000	-.0439				
*** Sample ID:				Seq: 41	12:52:22 02 Apr 13	HG		
				MB 240-80140/2-A				
Hg	-.0115	ppb	.0000	-.0115				
*** Sample ID:				Seq: 42	12:53:41 02 Apr 13	HG		
				LCS 240-80140/3-A				
Hg	4.741	ppb	.0000	4.741				
*** Sample ID:				Seq: 43	12:55:21 02 Apr 13	HG		
				460-52889-E-2-E				
Hg	-.0603	ppb	.0000	-.0603				
*** Sample ID:				Seq: 44	12:56:38 02 Apr 13	HG		
				460-52889-E-2-F MS				
Hg	4.554	ppb	.0000	4.554				
*** Sample ID:				Seq: 45	12:58:17 02 Apr 13	HG		
				460-52889-E-2-G MSD				
Hg	4.724	ppb	.0000	4.724				
*** Check Standard: 6 Ck6CCV				Seq: 46	12:59:59 02 Apr 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.8	5.040	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 47	13:01:34 02 Apr 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0039	.2000	ppb	.0000			
*** Sample ID:				Seq: 48	13:03:34 02 Apr 13	HG		
				460-52889-D-3-C				
Hg	-.0464	ppb	.0000	-.0464				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 49	13:05:45 02 Apr 13	HG		
				MB 240-80092/1-A				
Hg	-.0363	ppb	.0000	-.0363				
*** Sample ID:				Seq: 50	13:07:13 02 Apr 13	HG		
				LCS 240-80092/2-A				
Hg	4.712	ppb	.0000	4.712				
*** Sample ID:				Seq: 51	13:08:31 02 Apr 13	HG		
				240-22609-C-1-B				
Hg	.0047	ppb	.0000	.0047				
*** Sample ID:				Seq: 52	13:09:48 02 Apr 13	HG		
				240-22609-C-1-C MS				
Hg	.9894	ppb	.0000	.9894				
*** Sample ID:				Seq: 53	13:11:06 02 Apr 13	HG		
				240-22609-C-1-D MSD				
Hg	1.013	ppb	.0000	1.013				
*** Sample ID:				Seq: 54	13:12:37 02 Apr 13	HG		
				240-22609-C-2-B				
Hg	.0279	ppb	.0000	.0279				
*** Sample ID:				Seq: 55	13:13:54 02 Apr 13	HG		
				240-22609-C-4-B				
Hg	.0405	ppb	.0000	.0405				
*** Sample ID:				Seq: 56	13:15:44 02 Apr 13	HG		
				240-22609-C-5-B				
Hg	.0420	ppb	.0000	.0420				
*** Sample ID:				Seq: 57	13:17:02 02 Apr 13	HG		
				240-22609-C-6-B				
Hg	.0224	ppb	.0000	.0224				
*** Check Standard: 6 Ck6CCV				Seq: 58	13:18:20 02 Apr 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.1	5.056	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 59	13:19:35 02 Apr 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0622	.2000	ppb	.0000			
*** Sample ID:				Seq: 60	13:21:13 02 Apr 13	HG		
				240-22609-C-7-B				
Hg	.0748	ppb	.0000	.0748				
*** Sample ID:				Seq: 61	13:22:34 02 Apr 13	HG		
				240-22609-C-8-B				
Hg	.0661	ppb	.0000	.0661				
*** Sample ID:				Seq: 62	13:23:54 02 Apr 13	HG		
				240-22609-C-9-B				
Hg	.0216	ppb	.0000	.0216				
*** Sample ID:				Seq: 63	13:25:12 02 Apr 13	HG		
				240-22535-D-1-B				
Hg	.1720	ppb	.0000	.1720				
*** Check Standard: 6 Ck6CCV				Seq: 64	13:27:08 02 Apr 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.1	5.053	5.000	ppb	.0000		

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 65 13:28:27 02 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0485	.2000	ppb	.0000

*** Sample ID: Seq: 66 13:29:44 02 Apr 13 HG
240-22410-B-58-B

Hg	-.0247	ppb	.0000	-.0247

*** Sample ID: Seq: 67 13:31:19 02 Apr 13 HG
240-22410-B-59-B

Hg	-.0026	ppb	.0000	-.0026

*** Sample ID: Seq: 68 13:32:37 02 Apr 13 HG
240-22410-B-60-B

Hg	-.0397	ppb	.0000	-.0397

*** Sample ID: Seq: 69 13:34:23 02 Apr 13 HG
240-22410-B-75-B

Hg	.3131	ppb	.0000	.3131

*** Sample ID: Seq: 70 13:35:40 02 Apr 13 HG
240-22410-B-97-C

Hg	1.340	ppb	.0000	1.340

*** Sample ID: Seq: 71 13:36:57 02 Apr 13 HG
240-22410-B-98-C

Hg	1.352	ppb	.0000	1.352

*** Sample ID: Seq: 72 13:38:25 02 Apr 13 HG
240-22410-B-99-C

Hg	.9023	ppb	.0000	.9023

*** Check Standard: 6 Ck6CCV Seq: 73 13:40:38 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.8	5.042	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 74 13:41:53 02 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0224	.2000	ppb	.0000

*** Sample ID: Seq: 75 13:43:29 02 Apr 13 HG
240-22410-B-73-B@20

Hg	2.935	ppb	.0000	2.935

*** Sample ID: Seq: 76 13:44:55 02 Apr 13 HG
MB 240-79782/1-A

Hg	-.0230	ppb	.0000	-.0230

*** Sample ID: Seq: 77 13:46:14 02 Apr 13 HG
LCS 240-79782/2-A

Hg	4.926	ppb	.0000	4.926

*** Sample ID: Seq: 78 13:47:34 02 Apr 13 HG
240-22141-B-23-B

Hg	.0407	ppb	.0000	.0407

*** Sample ID: Seq: 79 13:49:01 02 Apr 13 HG
240-22141-B-23-C MS

Hg	1.034	ppb	.0000	1.034

*** Sample ID: Seq: 80 13:50:17 02 Apr 13 HG
240-22141-B-23-D DU

Hg	.0630	ppb	.0000	.0630

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 81	13:51:44 02 Apr 13	HG		
				240-22141-B-24-B				
Hg	.0476	ppb	.0000	.0476				
*** Sample ID:				Seq: 82	13:52:59 02 Apr 13	HG		
				240-22141-B-25-B				
Hg	.0298	ppb	.0000	.0298				
*** Sample ID:				Seq: 83	13:54:14 02 Apr 13	HG		
				240-22141-B-26-B				
Hg	.0108	ppb	.0000	.0108				
*** Sample ID:				Seq: 84	13:57:00 02 Apr 13	HG		
				240-22141-B-27-B				
Hg	.0699	ppb	.0000	.0699				

*** Check Standard: 6 Ck6CCV			Seq: 85	13:58:22 02 Apr 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD	
Hg		100.2	5.012	5.000	ppb	.0000	
*** Check Standard: 1 Ck1CCB			Seq: 86	13:59:39 02 Apr 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD		
Hg		-.0401	.2000	ppb	.0000		

*** Sample ID:				Seq: 87	14:01:07 02 Apr 13	HG	
				240-22141-B-30-B			
Hg	1.894	ppb	.0000	1.894			
*** Sample ID:				Seq: 88	14:02:23 02 Apr 13	HG	
				240-22141-B-31-B			
Hg	.2279	ppb	.0000	.2279			
*** Sample ID:				Seq: 89	14:03:40 02 Apr 13	HG	
				240-22274-B-7-B			
Hg	.0447	ppb	.0000	.0447			
*** Sample ID:				Seq: 90	14:04:58 02 Apr 13	HG	
				240-22274-B-8-B			
Hg	.0009	ppb	.0000	.0009			
*** Sample ID:				Seq: 91	14:06:15 02 Apr 13	HG	
				240-22274-B-9-B			
Hg	.0457	ppb	.0000	.0457			
*** Sample ID:				Seq: 92	14:07:44 02 Apr 13	HG	
				240-22274-B-10-B			
Hg	.0687	ppb	.0000	.0687			
*** Sample ID:				Seq: 93	14:09:02 02 Apr 13	HG	
				240-22274-B-11-B			
Hg	.0392	ppb	.0000	.0392			
*** Sample ID:				Seq: 94	14:10:18 02 Apr 13	HG	
				240-22274-B-12-B			
Hg	.0941	ppb	.0000	.0941			
*** Sample ID:				Seq: 95	14:11:34 02 Apr 13	HG	
				240-22274-B-13-B			
Hg	.0716	ppb	.0000	.0716			
*** Sample ID:				Seq: 96	14:12:50 02 Apr 13	HG	
				240-22274-B-16-B			
Hg	.1017	ppb	.0000	.1017			

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 97 14:14:09 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.9	5.043	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 98 14:15:26 02 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0447	.2000	ppb	.0000

*** Sample ID: Seq: 99 14:16:43 02 Apr 13 HG
240-22274-B-17-B

Hg	.0396	ppb	.0000	.0396

*** Sample ID: Seq: 100 14:18:02 02 Apr 13 HG
240-22274-B-18-B

Hg	.1417	ppb	.0000	.1417

*** Sample ID: Seq: 101 14:19:28 02 Apr 13 HG
240-22274-B-19-B

Hg	.0769	ppb	.0000	.0769

*** Sample ID: Seq: 102 14:20:44 02 Apr 13 HG
240-22274-B-20-B

Hg	.0828	ppb	.0000	.0828

*** Sample ID: Seq: 103 14:22:05 02 Apr 13 HG
240-22274-B-21-B

Hg	.0407	ppb	.0000	.0407

*** Sample ID: Seq: 104 14:23:27 02 Apr 13 HG
MB 240-79941/1-A

Hg	-.0216	ppb	.0000	-.0216

*** Sample ID: Seq: 105 14:24:49 02 Apr 13 HG
LCS 240-79941/2-A

Hg	4.933	ppb	.0000	4.933

*** Sample ID: Seq: 106 14:27:00 02 Apr 13 HG
240-22274-B-22-B

Hg	.1063	ppb	.0000	.1063

*** Sample ID: Seq: 107 14:28:37 02 Apr 13 HG
240-22274-B-22-C DU

Hg	.0985	ppb	.0000	.0985

*** Sample ID: Seq: 108 14:30:24 02 Apr 13 HG
240-22274-B-22-D MS

Hg	1.060	ppb	.0000	1.060

Rerun cup empty

*** Check Standard: 6 Ck6CCV Seq: 109 14:31:41 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	24.03	1.201	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 110 14:33:37 02 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0813	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 111 14:38:17 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.5	5.074	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 112 14:39:44 02 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0516	.2000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 113	14:41:20 02 Apr 13	HG		
				240-22274-B-25-B				
Hg	.1044	ppb	.0000	.1044				
*** Sample ID:				Seq: 114	14:42:50 02 Apr 13	HG		
				240-22274-B-26-B				
Hg	.0089	ppb	.0000	.0089				
*** Sample ID:				Seq: 115	14:44:16 02 Apr 13	HG		
				240-22274-B-27-B				
Hg	.0847	ppb	.0000	.0847				
*** Sample ID:				Seq: 116	14:45:33 02 Apr 13	HG		
				240-22274-B-28-B				
Hg	.0281	ppb	.0000	.0281				
*** Sample ID:				Seq: 117	14:47:00 02 Apr 13	HG		
				240-22274-B-29-B				
Hg	.0849	ppb	.0000	.0849				
*** Sample ID:				Seq: 118	14:48:36 02 Apr 13	HG		
				240-22274-B-30-B				
Hg	.0508	ppb	.0000	.0508				
*** Sample ID:				Seq: 119	14:49:54 02 Apr 13	HG		
				240-22274-B-31-B				
Hg	.0962	ppb	.0000	.0962				
*** Sample ID:				Seq: 120	14:51:22 02 Apr 13	HG		
				240-22274-B-34-B				
Hg	.2025	ppb	.0000	.2025				
*** Sample ID:				Seq: 121	14:52:39 02 Apr 13	HG		
				240-22274-B-35-B				
Hg	.2536	ppb	.0000	.2536				
*** Sample ID:				Seq: 122	14:54:31 02 Apr 13	HG		
				240-22281-B-1-B				
Hg	.0958	ppb	.0000	.0958				

*** Check Standard: 6 Ck6CCV Seq: 123 14:56:57 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.1	5.056	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 124 14:58:45 02 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0437	.2000	ppb	.0000

*** Sample ID:				Seq: 125	15:00:03 02 Apr 13	HG		
				240-22281-B-3-B				
Hg	.0813	ppb	.0000	.0813				
*** Sample ID:				Seq: 126	15:02:21 02 Apr 13	HG		
				240-22281-B-4-B				
Hg	.0399	ppb	.0000	.0399				
*** Sample ID:				Seq: 127	15:03:37 02 Apr 13	HG		
				240-22281-B-6-B				
Hg	.0996	ppb	.0000	.0996				
*** Sample ID:				Seq: 128	15:04:55 02 Apr 13	HG		
				240-22281-B-7-B				
Hg	.0359	ppb	.0000	.0359				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 129	15:07:04 02 Apr 13	HG		
				240-22281-B-8-B				
Hg	.0407	ppb	.0000	.0407				
*** Sample ID:				Seq: 130	15:08:32 02 Apr 13	HG		
				240-22281-B-9-B				
Hg	.0197	ppb	.0000	.0197				
*** Sample ID:				Seq: 131	15:09:52 02 Apr 13	HG		
				240-22281-B-10-B				
Hg	.0256	ppb	.0000	.0256				
*** Sample ID:				Seq: 132	15:11:09 02 Apr 13	HG		
				240-22281-B-11-B				
Hg	.0882	ppb	.0000	.0882				
*** Sample ID:				Seq: 133	15:12:57 02 Apr 13	HG		
				240-22281-B-17-A				
Hg	.3297	ppb	.0000	.3297				
*** Sample ID:				Seq: 134	15:14:48 02 Apr 13	HG		
				MB 240-80130/1-A				
Hg	-.0371	ppb	.0000	-.0371				
*** Check Standard: 6 Ck6CCV				Seq: 135	15:16:15 02 Apr 13	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.2	5.061	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 136	15:17:43 02 Apr 13	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0352	.2000	ppb	.0000			
*** Sample ID:				Seq: 137	15:19:02 02 Apr 13	HG		
				LCS 240-80130/2-A				
Hg	4.857	ppb	.0000	4.857				
*** Sample ID:				Seq: 138	15:20:31 02 Apr 13	HG		
				240-22281-B-20-B				
Hg	.1295	ppb	.0000	.1295				
*** Sample ID:				Seq: 139	15:21:52 02 Apr 13	HG		
				240-22281-B-20-C DU				
Hg	.0754	ppb	.0000	.0754				
*** Sample ID:				Seq: 140	15:23:09 02 Apr 13	HG		
				240-22281-B-20-D MS				
Hg	1.026	ppb	.0000	1.026				
*** Sample ID:				Seq: 141	15:24:26 02 Apr 13	HG		
				240-22281-B-22-B				
Hg	.0354	ppb	.0000	.0354				
*** Sample ID:				Seq: 142	15:26:17 02 Apr 13	HG		
				240-22281-B-23-B				
Hg	.0853	ppb	.0000	.0853				
*** Sample ID:				Seq: 143	15:27:46 02 Apr 13	HG		
				240-22281-B-25-B				
Hg	.1192	ppb	.0000	.1192				
*** Sample ID:				Seq: 144	15:29:14 02 Apr 13	HG		
				240-22281-B-26-B				
Hg	.0064	ppb	.0000	.0064				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 145 15:30:37 02 Apr 13 HG
240-22281-B-27-B

Hg	.1084	ppb	.0000	.1084

*** Sample ID: Seq: 146 15:32:26 02 Apr 13 HG
240-22281-B-28-B

Hg	.0380	ppb	.0000	.0380

*** Check Standard: 6 Ck6CCV Seq: 147 15:33:54 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.0	5.052	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 148 15:35:39 02 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0119	.2000	ppb	.0000

*** Sample ID: Seq: 149 15:36:55 02 Apr 13 HG
240-22281-B-29-B

Hg	.0302	ppb	.0000	.0302

*** Sample ID: Seq: 150 15:38:17 02 Apr 13 HG
240-22281-B-30-B

Hg	.0609	ppb	.0000	.0609

*** Sample ID: Seq: 151 15:40:45 02 Apr 13 HG
240-22281-B-31-B

Hg	.2761	ppb	.0000	.2761

*** Sample ID: Seq: 152 15:42:06 02 Apr 13 HG
240-22281-B-32-B

Hg	.0744	ppb	.0000	.0744

*** Sample ID: Seq: 153 15:43:28 02 Apr 13 HG
240-22281-B-33-B

Hg	.1124	ppb	.0000	.1124

*** Sample ID: Seq: 154 15:45:11 02 Apr 13 HG
240-22281-B-34-B

Hg	.2895	ppb	.0000	.2895

*** Sample ID: Seq: 155 15:46:38 02 Apr 13 HG
240-22281-B-35-B

Hg	.1778	ppb	.0000	.1778

*** Sample ID: Seq: 156 15:48:21 02 Apr 13 HG
240-22281-B-36-B

Hg	.0453	ppb	.0000	.0453

*** Sample ID: Seq: 157 15:49:39 02 Apr 13 HG
240-22281-B-37-B

Hg	.0990	ppb	.0000	.0990

*** Sample ID: Seq: 158 15:51:00 02 Apr 13 HG
240-22281-B-38-B

Hg	.0516	ppb	.0000	.0516

*** Check Standard: 6 Ck6CCV Seq: 159 15:52:33 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.3	5.063	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 160 15:54:54 02 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0056	.2000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 161 15:56:35 02 Apr 13 HG
240-22281-B-39-B

Hg	.0327	ppb	.0000	.0327				

*** Sample ID: Seq: 162 15:58:13 02 Apr 13 HG
240-22281-B-18-A

Hg	.2321	ppb	.0000	.2321				

*** Sample ID: Seq: 163 15:59:40 02 Apr 13 HG
240-22281-B-19-A

Hg	.1600	ppb	.0000	.1600				

*** Sample ID: Seq: 164 16:00:57 02 Apr 13 HG
Ck4CRA/MRL

Hg	.1957	ppb	.0000	.1957				

*** Sample ID: Seq: 165 16:02:23 02 Apr 13 HG
Ck4CRA/MRL

Hg	.1835	ppb	.0000	.1835				

*** Check Standard: 6 Ck6CCV Seq: 166 16:03:44 02 Apr 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.8	5.039	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 167 16:05:23 02 Apr 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0331	.2000	ppb	.0000

Dilution Corrected Concentrations

STD1 787361 INT STD 4/10/2013 7:50:40 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:24	99.064%	0.032	-0.204	-0.044	0.000	0.578	0.054	-0.090
2	19:52:07	99.679%	-0.033	0.012	-0.035	0.000	0.063	-0.050	0.129
3	19:52:50	101.257%	0.001	0.192	0.079	0.000	-0.640	-0.004	-0.039
x		100.000%	0.000	-0.000	0.000	0.000	-0.000	0.000	-0.000
σ		1.131%	0.032	0.198	0.069	0.000	0.611	0.052	0.114
%RSD		1.131	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:24	-0.021	1.055	0.000	2.501	-2.557	3.652	98.828%	0.023
2	19:52:07	0.032	-5.483	0.000	-0.826	2.825	-0.050	100.708%	-0.003
3	19:52:50	-0.011	4.428	0.000	-1.675	-0.268	-3.602	100.465%	-0.020
x		-0.000	-0.000	0.000	-0.000	0.000	0.000	100.000%	-0.000
σ		0.028	5.039	0.000	2.207	2.701	3.627	1.023%	0.022
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	1.023	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:24	0.003	0.016	0.001	0.465	0.037	-0.002	0.021	-0.002
2	19:52:07	-0.024	-0.034	-0.002	-0.306	-0.634	0.002	-0.027	0.026
3	19:52:50	0.021	0.017	0.001	-0.159	0.597	0.000	0.005	-0.024
x		0.000	-0.000	-0.000	0.000	-0.000	0.000	0.000	-0.000
σ		0.022	0.029	0.002	0.409	0.617	0.002	0.024	0.025
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:24	-0.014	-0.001	0.001	-0.060	0.025	-0.327	0.000	-0.000
2	19:52:07	0.015	0.010	0.024	0.012	-0.057	0.038	0.000	0.000
3	19:52:50	-0.001	-0.009	-0.025	0.048	0.032	0.289	0.000	-0.000
x		-0.000	-0.000	0.000	0.000	0.000	-0.000	0.000	0.000
σ		0.015	0.010	0.024	0.055	0.049	0.310	0.000	0.000
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:24	98.800%	0.004	0.018	98.998%	-0.002	-0.000	-0.015	-0.011
2	19:52:07	100.407%	0.012	0.003	100.039%	0.002	0.005	0.053	0.039
3	19:52:50	100.793%	-0.016	-0.021	100.963%	0.000	-0.005	-0.038	-0.027
x		100.000%	-0.000	0.000	100.000%	-0.000	-0.000	0.000	-0.000
σ		1.057%	0.014	0.019	0.983%	0.002	0.005	0.047	0.034
%RSD		1.057	0.000	0.000	0.983	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:24	99.004%	-0.000	0.004	0.000	0.000	-0.001	98.940%	98.688%
2	19:52:07	100.209%	0.002	-0.003	0.005	-0.005	0.001	100.057%	100.096%
3	19:52:50	100.787%	-0.002	-0.001	-0.005	0.005	0.000	101.004%	101.215%
x		100.000%	-0.000	-0.000	0.000	0.000	0.000	100.000%	100.000%
σ		0.909%	0.002	0.003	0.005	0.005	0.001	1.033%	1.266%
%RSD		0.909	0.000	0.000	0.000	0.000	0.000	1.033	1.266

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:51:24	0.001	-0.000	0.007	0.001	0.002	99.114%
2	19:52:07	0.000	-0.000	-0.004	-0.001	-0.002	100.323%
3	19:52:50	-0.001	0.001	-0.003	-0.000	0.000	100.563%
x		-0.000	-0.000	-0.000	-0.000	-0.000	100.000%
σ		0.001	0.000	0.006	0.001	0.002	0.777%
%RSD		0.000	0.000	0.000	0.000	0.000	0.777

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:15	92.463%	198.900	0.417	1.152	0.000	99590.000	99480.000	99640.000
2	19:56:58	93.397%	199.100	0.705	1.075	0.000	99410.000	99800.000	99450.000
3	19:57:41	92.359%	202.000	0.392	0.945	0.000	101000.000	100700.000	100900.000
x		92.739%	200.000	0.505	1.057	0.000	100000.000	100000.000	100000.000
σ		0.571%	1.774	0.174	0.105	0.000	865.300	645.800	789.800
%RSD		0.616	0.887	34.430	9.913	0.000	0.865	0.646	0.790

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:15	997.800	28.440	0.000	99550.000	100000.000	100300.000	92.152%	0.201
2	19:56:58	993.900	5.829	0.000	100600.000	99970.000	100100.000	93.035%	0.181
3	19:57:41	1008.000	7.484	0.000	99880.000	99990.000	99580.000	94.376%	0.186
x		1000.000	13.920	0.000	100000.000	100000.000	100000.000	93.188%	0.189
σ		7.426	12.600	0.000	514.300	41.400	377.000	1.120%	0.011
%RSD		0.743	90.550	0.000	0.514	0.041	0.377	1.202	5.662

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:15	198.700	198.900	997.600	50080.000	50030.000	199.700	200.700	200.000
2	19:56:58	200.800	200.600	1002.000	50140.000	50050.000	200.000	198.600	199.600
3	19:57:41	200.400	200.500	1001.000	49780.000	49920.000	200.200	200.700	200.500
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		1.121	0.980	2.124	191.800	68.900	0.246	1.217	0.447
%RSD		0.560	0.490	0.212	0.384	0.138	0.123	0.609	0.224

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:15	200.600	201.000	199.800	197.900	196.300	195.800	0.000	200.100
2	19:56:58	200.100	199.800	200.000	201.500	200.400	202.900	0.000	199.100
3	19:57:41	199.200	199.300	200.200	200.600	203.300	201.300	0.000	200.800
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		0.706	0.890	0.184	1.874	3.519	3.740	0.000	0.857
%RSD		0.353	0.445	0.092	0.937	1.759	1.870	0.000	0.429

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:15	93.351%	0.194	0.177	89.221%	198.600	199.600	199.400	200.000
2	19:56:58	94.679%	0.223	0.177	89.957%	201.000	199.800	200.300	199.800
3	19:57:41	94.715%	0.318	0.216	90.596%	200.400	200.600	200.300	200.200
x		94.248%	0.245	0.190	89.925%	200.000	200.000	200.000	200.000
σ		0.777%	0.065	0.022	0.688%	1.291	0.568	0.550	0.202
%RSD		0.825	26.420	11.630	0.765	0.645	0.284	0.275	0.101

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:15	92.840%	0.133	0.136	0.136	199.800	200.400	95.488%	96.204%
2	19:56:58	93.841%	0.139	0.109	0.116	200.500	200.000	96.467%	97.299%
3	19:57:41	94.622%	0.151	0.133	0.109	199.800	199.500	97.401%	98.435%
x		93.768%	0.141	0.126	0.120	200.000	200.000	96.452%	97.312%
σ		0.893%	0.009	0.015	0.014	0.395	0.457	0.956%	1.116%
%RSD		0.952	6.323	11.820	11.590	0.197	0.228	0.992	1.147

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:15	198.200	197.600	197.400	197.800	196.900	93.255%
2	19:56:58	201.300	201.000	200.900	200.900	201.100	93.259%
3	19:57:41	200.600	201.400	201.700	201.400	201.900	93.449%
x		200.000	200.000	200.000	200.000	200.000	93.321%
σ		1.620	2.053	2.279	1.961	2.679	0.111%
%RSD		0.810	1.026	1.140	0.981	1.340	0.119

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	92.038%	0.081	199.500	200.800	0.000	117.300	43.680	44.640
2	20:01:44	93.718%	0.096	200.600	198.700	0.000	117.600	45.060	44.090
3	20:02:27	94.056%	0.127	199.900	200.500	0.000	117.200	41.860	43.850
x		93.271%	0.101	200.000	200.000	0.000	117.300	43.530	44.200
σ		1.081%	0.024	0.563	1.143	0.000	0.189	1.607	0.407
%RSD		1.159	23.290	0.281	0.571	0.000	0.161	3.691	0.920
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	11.860	10090.000	0.000	87.090	45.180	96.420	95.137%	201.000
2	20:01:44	12.330	9933.000	0.000	79.610	74.440	103.300	96.479%	200.000
3	20:02:27	12.140	9981.000	0.000	70.240	59.170	92.170	97.563%	199.000
x		12.110	10000.000	0.000	78.980	59.590	97.290	96.393%	200.000
σ		0.239	78.190	0.000	8.443	14.630	5.616	1.215%	1.041
%RSD		1.976	0.782	0.000	10.690	24.550	5.772	1.261	0.521
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	0.132	0.051	0.782	38.690	35.760	0.109	0.176	0.238
2	20:01:44	0.108	0.052	0.768	35.870	33.110	0.092	0.173	0.278
3	20:02:27	0.100	0.028	0.759	34.920	30.600	0.104	0.217	0.247
x		0.113	0.044	0.769	36.490	33.160	0.102	0.189	0.254
σ		0.017	0.014	0.012	1.964	2.581	0.009	0.025	0.021
%RSD		15.000	31.590	1.494	5.383	7.784	8.827	13.140	8.184
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	0.229	1.032	0.996	0.414	0.985	0.852	0.000	0.377
2	20:01:44	0.235	1.091	1.083	0.382	0.882	1.019	0.000	0.385
3	20:02:27	0.251	1.062	1.097	0.277	0.571	0.588	0.000	0.379
x		0.238	1.062	1.059	0.358	0.813	0.820	0.000	0.380
σ		0.011	0.029	0.055	0.071	0.215	0.218	0.000	0.004
%RSD		4.669	2.765	5.209	19.980	26.480	26.550	0.000	1.021
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	95.530%	197.000	197.500	95.889%	0.135	0.153	0.204	-0.338
2	20:01:44	97.069%	201.300	200.700	96.501%	0.155	0.171	0.132	-0.333
3	20:02:27	97.501%	201.700	201.800	96.896%	0.154	0.164	0.149	-0.358
x		96.700%	200.000	200.000	96.429%	0.148	0.163	0.162	-0.343
σ		1.036%	2.627	2.246	0.507%	0.011	0.009	0.038	0.013
%RSD		1.071	1.314	1.123	0.526	7.411	5.413	23.260	3.756
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	96.249%	199.700	199.100	199.100	0.269	0.401	95.926%	96.054%
2	20:01:44	97.432%	199.800	200.300	200.300	0.284	0.403	97.800%	98.314%
3	20:02:27	98.035%	200.500	200.600	200.600	0.263	0.366	98.843%	98.800%
x		97.239%	200.000	200.000	200.000	0.272	0.390	97.523%	97.723%
σ		0.908%	0.420	0.791	0.830	0.011	0.020	1.478%	1.466%
%RSD		0.934	0.210	0.396	0.415	4.020	5.244	1.516	1.500
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:01:02	0.074	0.069	0.118	0.114	0.119	96.976%		
2	20:01:44	0.071	0.074	0.130	0.122	0.120	97.834%		
3	20:02:27	0.084	0.072	0.115	0.111	0.115	98.524%		
x		0.076	0.072	0.121	0.115	0.118	97.778%		
σ		0.007	0.003	0.008	0.006	0.003	0.776%		
%RSD		8.758	3.666	6.584	4.883	2.481	0.793		

ICV 768044 4/10/2013 8:05:06 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:49	95.238%	78.340	81.480	81.450	0.000	40030.000	39550.000	39370.000
2	20:06:32	97.948%	76.290	79.380	79.460	0.000	38830.000	38110.000	37890.000
3	20:07:15	96.520%	79.540	84.390	84.770	0.000	40680.000	40060.000	40100.000
x		96.569%	97.571%	102.187%	102.366%	0.000	99.619%	98.092%	97.797%
σ		1.356%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.404	2.111	3.077	3.280	0.000	2.347	2.580	2.880

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:49	404.400	4568.000	0.000	40790.000	40470.000	40630.000	91.757%	80.680
2	20:06:32	393.300	4426.000	0.000	39050.000	39130.000	39090.000	94.436%	80.350
3	20:07:15	415.500	4727.000	0.000	41840.000	41640.000	41950.000	92.044%	85.420
x		101.099%	114.347%	0.000	101.403%	101.034%	101.393%	92.745%	102.685%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.471%	n/a
%RSD		2.751	3.293	0.000	3.469	3.117	3.520	1.586	3.455

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:49	82.290	82.150	382.800	20200.000	19150.000	81.370	81.100	81.910
2	20:06:32	79.220	79.390	372.400	19580.000	18650.000	78.980	79.310	79.720
3	20:07:15	85.010	84.710	394.600	20840.000	19860.000	84.690	83.410	84.360
x		102.720%	102.605%	95.814%	101.029%	96.095%	102.102%	101.595%	102.496%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		3.524	3.236	2.897	3.103	3.170	3.510	2.529	2.829

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:49	81.160	83.380	83.860	79.460	79.650	78.650	0.000	78.480
2	20:06:32	79.520	81.250	82.230	77.240	77.760	75.410	0.000	76.580
3	20:07:15	83.970	86.350	86.320	80.460	82.870	82.140	0.000	82.000
x		101.938%	104.575%	105.170%	98.815%	100.114%	98.417%	0.000	98.775%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.763	3.065	2.446	2.086	3.229	4.274	0.000	3.483

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:49	95.507%	79.250	81.070	92.825%	78.220	78.480	77.860	77.410
2	20:06:32	97.817%	79.220	80.760	93.718%	77.260	77.120	76.460	75.830
3	20:07:15	94.520%	84.460	85.000	90.988%	81.820	81.740	80.640	80.340
x		95.948%	101.220%	102.846%	92.510%	98.873%	98.893%	97.901%	97.325%
σ		1.692%	n/a	n/a	1.392%	n/a	n/a	n/a	n/a
%RSD		1.763	3.722	2.871	1.504	3.042	3.002	2.713	2.937

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:49	97.613%	87.000	77.880	77.880	80.760	80.100	94.924%	95.485%
2	20:06:32	100.020%	84.240	76.370	76.010	78.490	78.490	98.389%	98.483%
3	20:07:15	97.790%	90.030	81.080	80.780	83.000	83.500	95.632%	95.857%
x		98.474%	108.862%	98.058%	97.780%	100.937%	100.873%	96.315%	96.608%
σ		1.341%	n/a	n/a	n/a	n/a	n/a	1.830%	1.634%
%RSD		1.362	3.320	3.067	3.073	2.790	3.169	1.900	1.691

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:49	80.970	81.280	80.070	82.750	81.110	96.669%
2	20:06:32	81.060	80.460	78.550	82.310	80.370	97.937%
3	20:07:15	85.740	85.920	84.210	87.230	85.790	94.820%
x		103.238%	103.194%	101.182%	105.119%	103.030%	96.475%
σ		n/a	n/a	n/a	n/a	n/a	1.567%
%RSD		3.302	3.566	3.617	3.240	3.563	1.625

ICB 4/10/2013 8:13:22 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:05	100.137%	0.018	0.291	0.568	0.000	0.044	0.683	0.700
2	20:14:48	101.749%	0.034	0.564	0.243	0.000	0.578	1.054	0.794
3	20:15:31	103.497%	-0.013	0.206	0.528	0.000	0.661	1.506	1.465
x		101.795%	0.013	0.354	0.446	0.000	0.427	1.081	0.986
σ		1.680%	0.024	0.187	0.177	0.000	0.335	0.412	0.417
%RSD		1.651	186.700	52.710	39.670	0.000	78.370	38.140	42.270

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:05	0.270	-59.740	0.000	16.870	5.865	-6.357	101.274%	-0.004
2	20:14:48	0.337	-39.240	0.000	13.600	6.480	-9.474	102.649%	-0.005
3	20:15:31	0.487	-44.860	0.000	11.720	0.299	-6.470	104.591%	0.001
x		0.365	-47.950	0.000	14.060	4.215	-7.434	102.838%	-0.003
σ		0.111	10.590	0.000	2.607	3.405	1.768	1.667%	0.003
%RSD		30.440	22.090	0.000	18.540	80.790	23.780	1.621	132.100

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:05	0.011	-0.033	0.032	-2.252	0.744	0.002	-0.014	0.027
2	20:14:48	0.001	-0.066	0.015	-3.312	-1.254	-0.005	0.034	0.028
3	20:15:31	0.007	-0.070	0.035	-3.348	-0.546	-0.003	-0.002	0.010
x		0.006	-0.056	0.027	-2.971	-0.352	-0.002	0.006	0.022
σ		0.005	0.020	0.011	0.623	1.013	0.004	0.025	0.010
%RSD		75.500	35.890	39.580	20.960	287.700	211.100	427.200	45.470

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:05	0.013	0.176	0.382	-0.132	0.064	-0.240	0.000	0.007
2	20:14:48	0.038	0.180	0.301	-0.042	0.137	-0.074	0.000	0.016
3	20:15:31	0.002	0.203	0.184	-0.091	0.077	-0.349	0.000	0.027
x		0.018	0.186	0.289	-0.088	0.093	-0.221	0.000	0.017
σ		0.018	0.014	0.099	0.045	0.039	0.139	0.000	0.010
%RSD		103.500	7.527	34.330	50.970	42.100	62.660	0.000	59.450

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:05	95.808%	0.122	0.121	96.776%	-0.008	-0.003	0.043	0.036
2	20:14:48	97.699%	0.094	0.105	97.668%	-0.007	-0.000	0.021	0.013
3	20:15:31	99.210%	0.076	0.091	99.247%	-0.005	-0.004	0.038	0.028
x		97.572%	0.097	0.106	97.897%	-0.007	-0.002	0.034	0.026
σ		1.704%	0.023	0.015	1.251%	0.002	0.002	0.012	0.012
%RSD		1.747	23.920	14.220	1.278	22.360	85.480	33.950	45.420

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:05	96.442%	0.016	-0.001	0.006	0.006	0.010	95.991%	96.442%
2	20:14:48	98.061%	0.014	0.006	0.008	0.003	0.001	98.083%	98.762%
3	20:15:31	99.222%	0.025	0.008	0.011	0.016	0.014	100.022%	100.140%
x		97.908%	0.019	0.004	0.008	0.008	0.009	98.032%	98.448%
σ		1.396%	0.006	0.004	0.002	0.007	0.007	2.016%	1.869%
%RSD		1.426	31.000	98.820	28.170	83.680	82.850	2.056	1.898

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:05	0.001	-0.000	0.009	0.011	0.012	97.495%
2	20:14:48	0.006	0.001	0.009	0.016	0.010	99.594%
3	20:15:31	0.005	0.003	0.011	0.012	0.010	101.558%
x		0.004	0.001	0.010	0.013	0.011	99.549%
σ		0.003	0.002	0.001	0.002	0.001	2.032%
%RSD		69.200	128.800	9.552	18.790	8.108	2.041

CRI 787357 4/10/2013 8:21:30 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:13	102.866%	1.081	6.205	6.838	0.000	93.380	94.990	98.610
2	20:22:56	103.052%	1.082	6.206	7.028	0.000	97.500	98.500	100.500
3	20:23:40	105.084%	0.841	6.578	6.649	0.000	93.540	95.930	98.830
x		103.667%	100.143%	126.591%	136.763%	0.000	94.806%	96.476%	99.301%
σ		1.231%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.187	13.840	3.395	2.774	0.000	2.462	1.885	1.022
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:13	31.600	419.400	0.000	118.100	109.200	107.900	96.061%	5.013
2	20:22:56	31.710	431.400	0.000	117.200	106.000	108.500	96.777%	5.145
3	20:23:40	31.590	401.900	0.000	116.600	102.000	103.900	97.394%	4.502
x		105.443%	83.517%	0.000	117.304%	105.722%	106.745%	96.744%	97.729%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.667%	n/a
%RSD		0.209	3.552	0.000	0.677	3.406	2.365	0.690	6.948
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:13	0.996	2.060	4.873	52.670	53.620	0.541	0.990	2.032
2	20:22:56	0.964	1.984	4.914	52.560	54.020	0.526	1.039	2.291
3	20:23:40	1.022	2.053	4.999	53.020	55.500	0.535	1.064	2.149
x		99.381%	101.607%	985.677%	105.499%	108.763%	106.776%	103.117%	107.864%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.933	2.061	1.301	0.452	1.818	1.402	3.630	6.027
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:13	2.020	5.397	5.250	0.999	5.179	4.898	0.000	5.054
2	20:22:56	2.146	5.218	5.216	1.084	5.179	5.386	0.000	5.127
3	20:23:40	2.114	5.280	5.263	0.978	4.922	4.546	0.000	5.138
x		104.651%	105.969%	104.858%	102.027%	101.867%	98.869%	0.000	102.128%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		3.133	1.718	0.468	5.535	2.905	8.538	0.000	0.897
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:13	92.820%	3.979	4.010	95.832%	1.023	0.962	1.148	1.062
2	20:22:56	93.822%	4.108	4.141	96.612%	0.979	0.987	1.124	1.042
3	20:23:40	94.485%	4.170	4.166	96.948%	0.952	1.024	1.008	1.019
x		93.709%	81.713%	82.113%	96.464%	98.452%	99.087%	109.325%	104.139%
σ		0.838%	n/a	n/a	0.572%	n/a	n/a	n/a	n/a
%RSD		0.894	2.380	2.044	0.593	3.670	3.121	6.854	2.059
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:13	94.748%	4.691	1.919	1.942	10.000	9.951	94.834%	95.740%
2	20:22:56	96.778%	4.760	1.954	1.898	10.160	9.858	97.717%	97.597%
3	20:23:40	97.498%	4.854	1.931	1.872	10.090	9.880	98.318%	98.086%
x		96.342%	95.361%	96.727%	95.199%	100.846%	98.963%	96.956%	97.141%
σ		1.426%	n/a	n/a	n/a	n/a	n/a	1.862%	1.237%
%RSD		1.480	1.717	0.942	1.855	0.778	0.494	1.921	1.274
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:22:13	0.947	0.963	0.973	1.004	0.986	96.086%		
2	20:22:56	0.970	0.946	0.988	1.016	0.979	97.443%		
3	20:23:40	0.987	0.963	0.993	1.032	1.012	98.245%		
x		96.791%	95.728%	98.451%	101.710%	99.204%	97.258%		
σ		n/a	n/a	n/a	n/a	n/a	1.091%		
%RSD		2.050	1.022	1.074	1.381	1.768	1.122		

CCV 790243 4/10/2013 8:29:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:16	81.038%	0.012	2.385	2.976	0.000	93.180	134.200	136.200
2	20:30:59	81.468%	-0.014	2.798	3.136	0.000	98.720	137.300	137.200
3	20:31:42	81.314%	-0.009	3.291	3.150	0.000	105.800	136.600	136.200
x		81.273%	-0.004	2.825	3.087	0.000	99.230	136.000	136.500
σ		0.218%	0.014	0.454	0.097	0.000	6.317	1.625	0.611
%RSD		0.268	380.200	16.060	3.133	0.000	6.366	1.194	0.448

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:16	499500.000	38.440	0.000	102.600	349.800	148.500	78.388%	0.756
2	20:30:59	502000.000	48.310	0.000	110.500	315.000	137.800	78.100%	0.580
3	20:31:42	498100.000	35.480	0.000	115.300	328.900	150.300	77.886%	0.698
x		499900.000	40.750	0.000	109.400	331.200	145.500	78.125%	0.678
σ		1948.000	6.720	0.000	6.417	17.490	6.779	0.252%	0.090
%RSD		0.390	16.490	0.000	5.863	5.279	4.658	0.323	13.250

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:16	-614.400	20190.000	19350.000	469300.000	487100.000	8.536	10050.000	18620.000
2	20:30:59	-639.800	20180.000	19510.000	471000.000	487700.000	8.483	9991.000	18400.000
3	20:31:42	-648.600	20160.000	19520.000	472300.000	487900.000	8.524	9905.000	18330.000
x		-634.200	20180.000	19460.000	470900.000	487600.000	8.515	9984.000	18450.000
σ		17.740	16.160	92.670	1469.000	415.900	0.028	75.300	152.100
%RSD		2.798	0.080	0.476	0.312	0.085	0.327	0.754	0.825

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:16	20060.000	20830.000	20760.000	0.248	0.983	0.339	0.000	0.216
2	20:30:59	19870.000	20790.000	20840.000	0.306	1.449	0.419	0.000	0.239
3	20:31:42	19770.000	20660.000	20670.000	0.270	1.903	0.339	0.000	0.222
x		19900.000	20760.000	20760.000	0.275	1.445	0.366	0.000	0.226
σ		148.200	91.420	85.170	0.029	0.460	0.046	0.000	0.012
%RSD		0.745	0.440	0.410	10.730	31.810	12.660	0.000	5.333

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:16	79.886%	1.683	1.632	78.669%	0.235	0.237	0.035	0.040
2	20:30:59	80.923%	1.748	1.723	78.637%	0.241	0.244	0.032	0.031
3	20:31:42	81.482%	1.718	1.722	78.542%	0.237	0.225	0.060	0.055
x		80.764%	1.717	1.692	78.616%	0.238	0.235	0.042	0.042
σ		0.810%	0.032	0.052	0.066%	0.003	0.010	0.015	0.012
%RSD		1.003	1.882	3.079	0.084	1.299	4.240	36.120	28.080

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:16	83.591%	0.277	0.801	0.872	15200.000	15330.000	84.972%	85.101%
2	20:30:59	85.195%	0.285	0.824	0.813	15220.000	15320.000	85.951%	87.157%
3	20:31:42	86.193%	0.255	0.874	0.834	15110.000	15140.000	86.964%	87.651%
x		84.993%	0.272	0.833	0.840	15180.000	15260.000	85.962%	86.637%
σ		1.313%	0.015	0.037	0.030	59.330	105.900	0.996%	1.352%
%RSD		1.544	5.612	4.474	3.566	0.391	0.694	1.159	1.561

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:30:16	0.048	0.046	18880.000	20400.000	19630.000	85.473%
2	20:30:59	0.042	0.047	19180.000	20570.000	19850.000	85.278%
3	20:31:42	0.059	0.053	19490.000	20890.000	20140.000	84.479%
x		0.050	0.049	19190.000	20620.000	19880.000	85.077%
σ		0.009	0.004	303.600	247.500	258.300	0.527%
%RSD		17.810	8.143	1.582	1.200	1.299	0.619

CCV 790244 4/10/2013 8:37:51 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:34	90.826%	-0.020	1.571	1.403	0.000	493000.000	988100.000	985500.000
2	20:39:17	90.763%	-0.025	1.456	1.517	0.000	488500.000	983000.000	982600.000
3	20:40:00	89.534%	0.004	1.654	1.763	0.000	498700.000	1006000.000	999100.000
x		90.375%	-0.014	1.560	1.561	0.000	493400.000	992400.000	989100.000
σ		0.728%	0.015	0.099	0.184	0.000	5137.000	12070.000	8782.000
%RSD		0.806	114.000	6.358	11.770	0.000	1.041	1.216	0.888

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:34	52.760	334.100	0.000	482900.000	1071000.000	968600.000	95.944%	0.541
2	20:39:17	55.810	405.800	0.000	481200.000	1062000.000	967100.000	97.211%	0.609
3	20:40:00	54.920	446.200	0.000	487500.000	1072000.000	968700.000	97.702%	0.462
x		54.500	395.400	0.000	483900.000	1068000.000	968100.000	96.952%	0.537
σ		1.569	56.820	0.000	3218.000	5875.000	880.700	0.907%	0.073
%RSD		2.879	14.370	0.000	0.665	0.550	0.091	0.936	13.620

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:34	-0.008	2.192	2.233	62.740	1719.000	0.567	-8.499	3.481
2	20:39:17	-0.029	2.199	2.456	62.780	1721.000	0.583	-8.217	3.596
3	20:40:00	0.045	2.261	2.421	60.840	1794.000	0.559	-8.549	3.725
x		0.003	2.217	2.370	62.120	1744.000	0.570	-8.422	3.601
σ		0.038	0.038	0.120	1.111	43.050	0.012	0.179	0.122
%RSD		1370.000	1.718	5.071	1.789	2.468	2.158	2.129	3.392

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:34	2.862	3.809	3.279	0.340	5.455	1.596	0.000	37.400
2	20:39:17	3.067	3.563	3.453	0.239	9.574	1.034	0.000	37.580
3	20:40:00	3.088	3.474	3.224	0.268	14.810	1.182	0.000	37.830
x		3.006	3.615	3.319	0.282	9.948	1.271	0.000	37.600
σ		0.125	0.173	0.120	0.052	4.690	0.291	0.000	0.217
%RSD		4.154	4.793	3.606	18.480	47.150	22.910	0.000	0.576

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:34	97.600%	0.740	0.254	88.587%	0.077	0.083	0.046	0.019
2	20:39:17	99.353%	1.413	0.266	89.351%	0.094	0.103	0.102	0.072
3	20:40:00	98.266%	2.410	0.242	89.470%	0.093	0.083	0.053	0.047
x		98.406%	1.521	0.254	89.136%	0.088	0.089	0.067	0.046
σ		0.885%	0.840	0.012	0.479%	0.009	0.012	0.030	0.027
%RSD		0.899	55.240	4.690	0.538	10.570	13.110	45.450	57.970

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:34	93.187%	0.490	0.359	0.382	2.901	2.994	94.732%	94.518%
2	20:39:17	94.785%	0.543	0.374	0.386	3.026	2.818	94.674%	96.053%
3	20:40:00	94.009%	0.492	0.372	0.389	2.919	2.859	94.852%	94.609%
x		93.994%	0.508	0.368	0.386	2.948	2.890	94.752%	95.060%
σ		0.799%	0.030	0.008	0.003	0.068	0.092	0.091%	0.861%
%RSD		0.850	5.877	2.213	0.897	2.301	3.197	0.096	0.906

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:34	0.073	0.085	2.525	2.610	2.561	83.494%
2	20:39:17	0.093	0.077	2.534	2.728	2.648	83.138%
3	20:40:00	0.089	0.084	2.462	2.708	2.554	81.732%
x		0.085	0.082	2.507	2.682	2.587	82.788%
σ		0.011	0.004	0.040	0.063	0.052	0.932%
%RSD		12.380	5.379	1.578	2.342	2.017	1.126

ICSA 787358 4/10/2013 8:46:07 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:50	91.488%	-0.002	0.038	-0.039	0.000	104900.000	104900.000	104400.000
2	20:47:33	91.261%	-0.021	-0.339	-0.013	0.000	103300.000	102800.000	102900.000
3	20:48:16	90.669%	-0.002	-0.081	0.197	0.000	104600.000	103500.000	103600.000
x		91.139%	-0.008	-0.127	0.048	0.000	104300.000	103700.000	103600.000
σ		0.422%	0.011	0.192	0.129	0.000	882.600	1112.000	776.600
%RSD		0.463	133.500	150.900	267.200	0.000	0.847	1.072	0.750
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:50	108100.000	-73.930	0.000	101000.000	98740.000	99400.000	102.122%	2121.000
2	20:47:33	107600.000	-84.960	0.000	99870.000	99210.000	98890.000	102.623%	2097.000
3	20:48:16	107600.000	-99.090	0.000	100200.000	100200.000	100100.000	101.228%	2116.000
x		107800.000	-85.990	0.000	100400.000	99370.000	99470.000	101.991%	2112.000
σ		276.800	12.610	0.000	560.800	719.300	617.000	0.706%	12.650
%RSD		0.257	14.670	0.000	0.559	0.724	0.620	0.693	0.599
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:50	-0.298	0.073	0.492	101900.000	102800.000	0.086	-0.227	1.694
2	20:47:33	-0.362	0.075	0.493	100800.000	101900.000	0.080	-0.370	1.598
3	20:48:16	-0.356	0.019	0.485	101600.000	102200.000	0.077	-0.304	1.685
x		-0.339	0.056	0.490	101500.000	102300.000	0.081	-0.300	1.659
σ		0.035	0.032	0.005	561.600	451.800	0.005	0.072	0.053
%RSD		10.480	56.970	0.960	0.553	0.442	5.728	23.850	3.185
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:50	1.508	3.033	2.396	0.172	12.440	0.474	0.000	5.085
2	20:47:33	1.441	2.986	2.308	0.242	12.420	0.790	0.000	5.141
3	20:48:16	1.305	3.050	2.543	0.102	12.610	-0.115	0.000	5.159
x		1.418	3.023	2.416	0.172	12.490	0.383	0.000	5.128
σ		0.103	0.033	0.119	0.070	0.104	0.459	0.000	0.038
%RSD		7.293	1.107	4.921	40.920	0.832	119.900	0.000	0.748
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:50	92.776%	2168.000	2316.000	96.206%	0.053	0.050	0.334	0.303
2	20:47:33	92.906%	2179.000	2320.000	95.317%	0.059	0.070	0.283	0.179
3	20:48:16	92.392%	2384.000	2357.000	94.606%	0.058	0.060	0.224	0.218
x		92.691%	2244.000	2331.000	95.376%	0.057	0.060	0.280	0.234
σ		0.267%	121.800	22.570	0.802%	0.003	0.010	0.055	0.063
%RSD		0.288	5.426	0.968	0.841	5.919	16.970	19.610	27.010
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:50	98.500%	0.150	0.296	0.298	0.312	0.382	99.914%	95.588%
2	20:47:33	98.426%	0.169	0.307	0.306	0.408	0.361	101.323%	96.385%
3	20:48:16	98.180%	0.158	0.282	0.311	0.372	0.414	101.248%	96.748%
x		98.369%	0.159	0.295	0.305	0.364	0.386	100.829%	96.240%
σ		0.167%	0.010	0.013	0.007	0.049	0.027	0.793%	0.593%
%RSD		0.170	6.199	4.235	2.179	13.440	6.901	0.786	0.617
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:46:50	0.026	0.018	0.254	0.299	0.266	98.011%		
2	20:47:33	0.020	0.019	0.291	0.264	0.271	97.235%		
3	20:48:16	0.019	0.016	0.267	0.287	0.263	97.025%		
x		0.022	0.018	0.271	0.283	0.267	97.424%		
σ		0.004	0.002	0.019	0.018	0.004	0.519%		
%RSD		16.680	9.185	7.057	6.282	1.536	0.533		

ICSAB 787359 4/10/2013 8:54:22 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:05	88.317%	22.060	52.270	53.490	0.000	111500.000	110600.000	110100.000
2	20:55:48	88.653%	21.470	55.110	53.110	0.000	110100.000	109600.000	109500.000
3	20:56:31	87.556%	21.820	53.160	52.760	0.000	111000.000	110300.000	110200.000
x		88.175%	108.919%	107.026%	106.241%	0.000	110.895%	110.165%	109.923%
σ		0.562%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.637	1.343	2.718	0.686	0.000	0.647	0.501	0.338
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:05	114900.000	448.700	0.000	109600.000	108500.000	109800.000	93.149%	2305.000
2	20:55:48	113700.000	418.600	0.000	108300.000	108700.000	109300.000	92.411%	2274.000
3	20:56:31	114800.000	417.300	0.000	109900.000	109700.000	110400.000	91.611%	2299.000
x		114.472%	85.643%	0.000	109.261%	108.988%	109.843%	92.390%	114.646%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.769%	n/a
%RSD		0.554	4.148	0.000	0.785	0.571	0.510	0.832	0.712
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:05	21.040	21.160	21.350	109100.000	110000.000	21.740	20.670	23.110
2	20:55:48	21.070	21.180	21.250	108600.000	109200.000	21.510	20.860	23.100
3	20:56:31	21.110	21.290	21.310	109600.000	110100.000	21.690	20.790	23.150
x		105.351%	106.039%	92.627%	109.111%	109.760%	108.234%	103.848%	115.595%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.167	0.321	0.239	0.445	0.484	0.543	0.460	0.102
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:05	23.070	25.320	24.560	22.900	65.210	55.540	0.000	26.950
2	20:55:48	22.350	24.950	24.480	22.950	66.810	56.460	0.000	26.600
3	20:56:31	22.750	25.040	24.670	22.390	67.190	56.720	0.000	27.230
x		113.610%	100.417%	98.281%	113.725%	132.807%	112.487%	0.000	134.627%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.604	0.779	0.373	1.354	1.588	1.102	0.000	1.174
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:05	93.890%	2165.000	2327.000	97.481%	20.150	20.450	21.360	21.180
2	20:55:48	94.844%	2172.000	2319.000	96.603%	20.360	20.610	20.810	21.230
3	20:56:31	93.606%	2379.000	2352.000	95.719%	20.650	20.620	21.480	21.410
x		94.113%	111.929%	116.646%	96.601%	101.939%	102.813%	106.073%	106.368%
σ		0.648%	n/a	n/a	0.881%	n/a	n/a	n/a	n/a
%RSD		0.689	5.442	0.745	0.912	1.233	0.464	1.681	0.580
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:05	95.782%	110.300	22.170	22.120	22.450	22.510	99.376%	94.767%
2	20:55:48	96.379%	109.400	22.050	21.820	21.830	21.670	101.178%	95.849%
3	20:56:31	96.657%	109.900	22.000	21.880	22.320	22.340	101.286%	96.074%
x		96.273%	109.892%	110.366%	109.705%	111.002%	110.867%	100.613%	95.563%
σ		0.447%	n/a	n/a	n/a	n/a	n/a	1.073%	0.699%
%RSD		0.465	0.425	0.412	0.717	1.487	1.989	1.066	0.732
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:55:05	21.460	21.330	21.970	21.870	21.830	97.032%		
2	20:55:48	21.960	21.800	22.310	22.410	22.270	96.631%		
3	20:56:31	22.300	22.300	22.500	22.490	22.420	96.525%		
x		109.544%	109.050%	111.299%	111.283%	110.878%	96.729%		
σ		n/a	n/a	n/a	n/a	n/a	0.267%		
%RSD		1.945	2.212	1.191	1.499	1.373	0.276		

CCV 781130 4/10/2013 9:02:37 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:20	93.094%	100.800	98.510	99.110	0.000	50240.000	50100.000	50300.000
2	21:04:03	94.521%	100.400	99.430	99.690	0.000	50210.000	50280.000	49910.000
3	21:04:46	93.579%	101.600	103.200	101.800	0.000	50630.000	50460.000	50330.000
x		93.732%	100.946%	100.387%	100.191%	0.000	100.722%	100.564%	100.354%
σ		0.726%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.774	0.628	2.485	1.404	0.000	0.470	0.356	0.464
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:20	506.500	5402.000	0.000	49600.000	48720.000	49250.000	98.629%	99.780
2	21:04:03	503.800	5344.000	0.000	49960.000	49360.000	49350.000	99.385%	100.100
3	21:04:46	504.900	5360.000	0.000	49910.000	49480.000	49490.000	100.063%	96.820
x		101.014%	107.372%	0.000	99.644%	98.378%	98.730%	99.359%	98.885%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.718%	n/a
%RSD		0.265	0.561	0.000	0.391	0.827	0.245	0.722	1.810
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:20	98.420	97.860	491.500	24950.000	24720.000	98.470	99.890	100.500
2	21:04:03	97.690	98.410	492.400	24870.000	24740.000	99.840	99.750	100.600
3	21:04:46	97.770	97.590	493.300	24850.000	24640.000	99.550	99.150	101.100
x		97.960%	97.953%	98.486%	99.556%	98.789%	99.288%	99.598%	100.752%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.413	0.429	0.183	0.228	0.220	0.731	0.393	0.325
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:20	100.300	99.630	98.840	98.210	99.640	97.530	0.000	98.400
2	21:04:03	100.400	98.540	100.400	98.390	99.650	97.030	0.000	98.620
3	21:04:46	98.910	99.440	98.160	98.150	100.100	97.570	0.000	99.170
x		99.876%	99.203%	99.118%	98.250%	99.790%	97.378%	0.000	98.729%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.842	0.590	1.141	0.128	0.250	0.310	0.000	0.399
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:20	98.191%	100.300	101.300	95.168%	98.700	98.860	97.500	97.840
2	21:04:03	99.764%	102.300	103.700	95.961%	98.270	98.180	97.830	97.490
3	21:04:46	99.962%	102.800	104.500	96.394%	99.300	98.620	98.560	98.210
x		99.306%	101.808%	103.155%	95.841%	98.756%	98.554%	97.961%	97.847%
σ		0.970%	n/a	n/a	0.622%	n/a	n/a	n/a	n/a
%RSD		0.977	1.342	1.586	0.649	0.526	0.347	0.552	0.370
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:20	98.038%	97.140	97.510	97.240	99.640	99.140	99.441%	99.914%
2	21:04:03	100.108%	97.530	96.850	96.840	98.920	98.980	101.374%	101.447%
3	21:04:46	99.986%	98.300	97.830	97.960	98.080	99.810	101.466%	102.539%
x		99.377%	97.656%	97.397%	97.345%	98.880%	99.313%	100.760%	101.300%
σ		1.162%	n/a	n/a	n/a	n/a	n/a	1.143%	1.319%
%RSD		1.169	0.602	0.516	0.587	0.789	0.442	1.135	1.302
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:03:20	98.320	97.320	96.970	97.610	97.580	96.444%		
2	21:04:03	98.960	99.300	98.900	98.770	98.770	97.465%		
3	21:04:46	99.960	99.450	98.930	99.740	99.350	97.955%		
x		99.081%	98.689%	98.266%	98.707%	98.569%	97.288%		
σ		n/a	n/a	n/a	n/a	n/a	0.771%		
%RSD		0.834	1.204	1.143	1.079	0.915	0.792		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:34	108.866%	-0.024	-0.086	0.027	0.000	10.530	2.933	2.614
2	21:12:18	112.759%	-0.029	-0.178	-0.161	0.000	7.915	2.548	2.318
3	21:13:01	111.982%	0.013	-0.406	-0.206	0.000	8.927	2.588	2.671
x		111.202%	-0.013	-0.223	-0.114	0.000	9.124	2.690	2.534
σ		2.060%	0.023	0.165	0.124	0.000	1.319	0.212	0.190
%RSD		1.853	169.100	73.940	108.700	0.000	14.450	7.870	7.478

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:34	2.109	-20.330	0.000	30.160	12.010	-7.870	115.550%	0.071
2	21:12:18	2.038	-34.380	0.000	25.540	9.527	-3.932	119.099%	0.045
3	21:13:01	2.093	-23.800	0.000	23.860	12.750	-6.805	119.608%	0.024
x		2.080	-26.170	0.000	26.520	11.430	-6.203	118.085%	0.046
σ		0.038	7.318	0.000	3.259	1.686	2.037	2.211%	0.023
%RSD		1.804	27.960	0.000	12.290	14.760	32.840	1.872	50.520

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:34	0.021	-0.020	0.129	-2.013	2.250	-0.005	0.089	0.315
2	21:12:18	0.034	-0.005	0.116	-3.368	2.187	-0.003	0.068	0.284
3	21:13:01	0.024	-0.048	0.140	-3.650	1.625	-0.002	0.052	0.297
x		0.026	-0.024	0.128	-3.010	2.020	-0.003	0.069	0.299
σ		0.007	0.022	0.012	0.875	0.344	0.002	0.018	0.015
%RSD		25.460	90.300	9.449	29.070	17.020	51.720	26.620	5.179

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:34	0.274	1.957	2.101	-0.177	0.668	-0.944	0.000	0.034
2	21:12:18	0.247	2.050	2.111	-0.210	0.365	-0.923	0.000	0.035
3	21:13:01	0.298	2.133	2.121	-0.233	0.591	-1.017	0.000	0.037
x		0.273	2.047	2.111	-0.207	0.541	-0.961	0.000	0.035
σ		0.026	0.088	0.010	0.028	0.158	0.049	0.000	0.001
%RSD		9.453	4.314	0.465	13.760	29.140	5.139	0.000	4.217

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:34	111.774%	0.785	0.779	104.388%	-0.002	-0.004	-0.002	0.005
2	21:12:18	115.079%	0.617	0.704	107.275%	-0.002	-0.001	0.073	0.053
3	21:13:01	115.395%	0.677	0.655	107.304%	0.005	0.002	0.038	0.027
x		114.083%	0.693	0.713	106.322%	0.001	-0.001	0.037	0.028
σ		2.006%	0.085	0.063	1.675%	0.004	0.003	0.038	0.024
%RSD		1.758	12.280	8.790	1.576	664.400	271.900	102.400	85.970

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:34	103.293%	0.074	-0.004	-0.001	0.065	0.053	101.774%	101.618%
2	21:12:18	106.584%	0.069	-0.001	0.003	0.050	0.052	105.716%	105.322%
3	21:13:01	106.239%	0.076	-0.003	0.004	0.040	0.048	105.178%	105.489%
x		105.372%	0.073	-0.003	0.002	0.051	0.051	104.223%	104.143%
σ		1.809%	0.004	0.001	0.003	0.013	0.003	2.137%	2.188%
%RSD		1.717	5.596	52.290	141.400	24.320	5.061	2.051	2.101

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:34	0.027	0.021	0.052	0.054	0.053	102.327%
2	21:12:18	0.020	0.017	0.048	0.058	0.052	105.016%
3	21:13:01	0.014	0.013	0.053	0.046	0.057	104.895%
x		0.020	0.017	0.051	0.053	0.054	104.079%
σ		0.006	0.004	0.003	0.006	0.002	1.519%
%RSD		31.310	22.740	5.179	11.240	4.481	1.459

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:49	103.933%	-0.010	-0.538	-0.534	0.000	0.457	6.587	7.150
2	21:20:31	105.428%	-0.002	-0.964	-0.564	0.000	1.792	7.102	6.950
3	21:21:14	106.957%	-0.003	-0.668	-0.626	0.000	0.258	7.829	6.879
x		105.439%	-0.005	-0.723	-0.575	0.000	0.836	7.173	6.993
σ		1.512%	0.004	0.218	0.047	0.000	0.834	0.624	0.141
%RSD		1.434	77.280	30.130	8.134	0.000	99.790	8.697	2.009

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:49	0.724	71.740	0.000	33.800	16.630	11.040	108.861%	0.361
2	21:20:31	0.867	81.870	0.000	32.430	24.860	11.160	110.255%	0.325
3	21:21:14	0.812	86.560	0.000	30.720	23.010	11.640	111.955%	0.245
x		0.801	80.060	0.000	32.320	21.500	11.280	110.357%	0.310
σ		0.072	7.575	0.000	1.540	4.322	0.317	1.549%	0.059
%RSD		8.973	9.462	0.000	4.766	20.100	2.808	1.404	19.080

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:49	0.014	0.023	0.071	1.502	4.812	-0.006	-0.010	0.122
2	21:20:31	0.037	0.012	0.101	0.632	4.092	-0.006	0.029	0.109
3	21:21:14	0.030	0.016	0.096	0.175	3.800	-0.003	0.019	0.128
x		0.027	0.017	0.089	0.770	4.234	-0.005	0.013	0.120
σ		0.012	0.006	0.016	0.674	0.521	0.002	0.021	0.010
%RSD		45.400	34.480	17.800	87.570	12.300	33.410	160.800	8.324

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:49	0.054	0.279	0.351	0.017	1.203	0.336	0.000	0.076
2	21:20:31	0.126	0.306	0.363	0.004	1.019	0.234	0.000	0.076
3	21:21:14	0.065	0.267	0.299	-0.061	0.654	0.016	0.000	0.081
x		0.082	0.284	0.337	-0.014	0.959	0.195	0.000	0.078
σ		0.039	0.020	0.034	0.042	0.280	0.164	0.000	0.003
%RSD		47.400	7.019	10.100	309.100	29.170	83.820	0.000	4.075

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:49	107.036%	0.806	0.764	107.834%	0.001	0.004	0.076	0.049
2	21:20:31	108.948%	0.645	0.634	109.148%	-0.001	0.004	0.069	0.043
3	21:21:14	110.384%	0.520	0.524	109.340%	-0.000	-0.000	0.041	0.030
x		108.789%	0.657	0.641	108.774%	-0.000	0.002	0.062	0.041
σ		1.680%	0.143	0.120	0.820%	0.001	0.002	0.018	0.009
%RSD		1.544	21.800	18.700	0.754	585.000	97.760	29.490	22.940

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:49	105.715%	1.518	-0.005	-0.001	0.127	0.073	103.424%	104.139%
2	21:20:31	108.236%	1.396	-0.005	-0.000	0.091	0.093	106.307%	106.207%
3	21:21:14	109.557%	1.257	-0.001	-0.003	0.127	0.096	106.869%	106.358%
x		107.836%	1.390	-0.004	-0.001	0.115	0.087	105.533%	105.568%
σ		1.952%	0.131	0.003	0.002	0.021	0.012	1.848%	1.240%
%RSD		1.810	9.388	72.340	102.600	17.960	14.030	1.751	1.174

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:49	0.008	0.006	0.022	0.016	0.019	104.421%
2	21:20:31	0.009	0.007	0.017	0.023	0.018	105.969%
3	21:21:14	0.005	0.007	0.017	0.020	0.018	106.562%
x		0.007	0.007	0.019	0.019	0.018	105.651%
σ		0.002	0.001	0.003	0.004	0.001	1.105%
%RSD		31.890	7.642	15.960	18.910	4.900	1.046

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:00	92.739%	46.760	914.300	920.800	0.000	47300.000	47710.000	47570.000
2	21:28:43	92.237%	47.720	944.500	938.800	0.000	47920.000	48090.000	48020.000
3	21:29:26	92.386%	47.960	927.300	937.400	0.000	47610.000	47720.000	47520.000
x		92.454%	47.480	928.700	932.300	0.000	47610.000	47840.000	47700.000
σ		0.258%	0.637	15.140	10.010	0.000	310.600	214.900	271.900
%RSD		0.279	1.342	1.630	1.074	0.000	0.652	0.449	0.570

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:00	2008.000	4752.000	0.000	47090.000	47020.000	47230.000	96.645%	930.800
2	21:28:43	2027.000	4801.000	0.000	47700.000	47980.000	47840.000	96.122%	948.500
3	21:29:26	2006.000	4758.000	0.000	47220.000	47610.000	47560.000	95.514%	945.500
x		2013.000	4771.000	0.000	47340.000	47540.000	47550.000	96.094%	941.600
σ		11.750	26.840	0.000	322.800	482.900	303.900	0.566%	9.486
%RSD		0.584	0.563	0.000	0.682	1.016	0.639	0.589	1.007

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:00	470.300	184.800	460.100	995.900	982.900	462.100	462.800	235.300
2	21:28:43	477.600	187.100	469.400	1010.000	1002.000	471.400	470.000	240.200
3	21:29:26	479.100	188.100	468.200	1011.000	996.000	471.900	467.300	237.900
x		475.700	186.700	465.900	1006.000	993.600	468.400	466.700	237.800
σ		4.732	1.694	5.078	8.405	9.700	5.528	3.594	2.436
%RSD		0.995	0.908	1.090	0.836	0.976	1.180	0.770	1.024

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:00	235.000	451.800	454.100	34.900	9.729	9.666	0.000	983.500
2	21:28:43	237.600	458.700	457.800	35.300	9.653	8.168	0.000	999.300
3	21:29:26	237.400	457.200	460.200	35.290	10.020	9.457	0.000	999.600
x		236.700	455.900	457.400	35.160	9.801	9.097	0.000	994.100
σ		1.435	3.618	3.080	0.229	0.195	0.811	0.000	9.228
%RSD		0.606	0.793	0.673	0.652	1.990	8.916	0.000	0.928

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:00	96.442%	958.500	967.700	92.999%	46.290	46.050	46.030	37.390
2	21:28:43	96.631%	977.100	989.900	92.340%	46.830	47.020	47.250	39.450
3	21:29:26	95.770%	968.700	976.000	91.908%	46.680	46.800	46.470	38.770
x		96.281%	968.100	977.900	92.416%	46.600	46.620	46.580	38.540
σ		0.453%	9.337	11.240	0.550%	0.281	0.509	0.615	1.051
%RSD		0.470	0.964	1.149	0.595	0.602	1.091	1.320	2.727

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:00	95.293%	2023.000	452.600	453.600	1849.000	1851.000	98.096%	98.709%
2	21:28:43	94.422%	2063.000	463.500	465.800	1902.000	1903.000	97.971%	99.001%
3	21:29:26	94.707%	2046.000	461.300	461.300	1874.000	1876.000	98.492%	99.098%
x		94.807%	2044.000	459.100	460.200	1875.000	1877.000	98.186%	98.936%
σ		0.444%	19.750	5.755	6.169	26.550	26.250	0.272%	0.202%
%RSD		0.468	0.966	1.254	1.340	1.416	1.399	0.277	0.204

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:00	45.930	46.110	17.980	19.610	18.670	96.363%
2	21:28:43	47.750	47.370	18.470	20.320	19.340	94.450%
3	21:29:26	47.140	47.230	18.420	20.010	19.220	94.803%
x		46.940	46.900	18.290	19.980	19.070	95.206%
σ		0.926	0.695	0.268	0.356	0.359	1.018%
%RSD		1.973	1.481	1.465	1.783	1.884	1.069

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:11	89.570%	7.835	39.940	39.960	0.000	550.400	36410.000	36220.000
2	21:36:54	90.604%	7.691	38.900	40.750	0.000	557.100	36970.000	36740.000
3	21:37:37	91.912%	7.618	40.400	39.510	0.000	547.600	36360.000	36090.000
x		90.696%	7.715	39.750	40.080	0.000	551.700	36580.000	36350.000
σ		1.174%	0.111	0.767	0.628	0.000	4.879	339.700	347.100
%RSD		1.294	1.433	1.930	1.568	0.000	0.884	0.928	0.955

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:11	154700.000	7304.000	0.000	12380.000	4878.000	4378.000	108.903%	989.800
2	21:36:54	156200.000	7384.000	0.000	12540.000	4761.000	4435.000	110.911%	1005.000
3	21:37:37	153800.000	7268.000	0.000	12400.000	4879.000	4372.000	112.241%	998.600
x		154900.000	7319.000	0.000	12440.000	4839.000	4395.000	110.685%	997.700
σ		1246.000	59.210	0.000	89.110	68.300	35.020	1.680%	7.487
%RSD		0.805	0.809	0.000	0.716	1.411	0.797	1.518	0.750

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:11	210.800	179.800	8268.000	275500.000	282900.000	139.600	289.100	212.600
2	21:36:54	214.200	181.400	8390.000	278400.000	287000.000	141.600	295.300	214.500
3	21:37:37	212.500	180.000	8265.000	275100.000	281900.000	139.600	292.800	213.300
x		212.500	180.400	8308.000	276300.000	284000.000	140.300	292.400	213.500
σ		1.713	0.844	71.490	1799.000	2713.000	1.150	3.135	0.998
%RSD		0.806	0.468	0.861	0.651	0.955	0.820	1.072	0.467

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:11	213.100	761.400	769.300	139.300	3.382	4.029	0.000	75.070
2	21:36:54	217.400	773.700	783.800	140.500	3.604	3.801	0.000	76.490
3	21:37:37	215.400	774.100	785.400	140.400	3.601	3.266	0.000	75.740
x		215.300	769.700	779.500	140.100	3.529	3.699	0.000	75.760
σ		2.145	7.178	8.852	0.686	0.127	0.392	0.000	0.709
%RSD		0.997	0.933	1.136	0.489	3.601	10.590	0.000	0.936

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:11	0.000	10.880	10.670	96.862%	0.279	0.198	1.610	1.267
2	21:36:54	0.000	10.810	10.860	98.397%	0.281	0.215	1.645	1.326
3	21:37:37	0.000	11.020	10.890	98.880%	0.292	0.209	1.597	1.300
x		0.000	10.910	10.810	98.046%	0.284	0.207	1.617	1.298
σ		0.000	0.105	0.117	1.054%	0.007	0.009	0.025	0.030
%RSD		0.000	0.962	1.086	1.075	2.614	4.286	1.529	2.280

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:11	101.072%	3.710	0.486	0.499	904.800	896.200	115.403%	113.916%
2	21:36:54	103.469%	3.476	0.492	0.481	920.100	909.200	116.921%	116.349%
3	21:37:37	104.536%	3.408	0.497	0.488	904.900	897.400	118.436%	117.280%
x		103.025%	3.531	0.492	0.489	909.900	900.900	116.920%	115.848%
σ		1.774%	0.158	0.005	0.009	8.770	7.178	1.517%	1.737%
%RSD		1.722	4.478	1.090	1.826	0.964	0.797	1.297	1.500

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:11	1.994	1.963	140.300	137.600	139.100	100.222%
2	21:36:54	2.061	2.057	145.000	143.300	144.500	99.566%
3	21:37:37	2.038	2.043	144.900	141.600	143.500	99.600%
x		2.031	2.021	143.400	140.800	142.400	99.796%
σ		0.034	0.051	2.691	2.892	2.906	0.369%
%RSD		1.668	2.516	1.876	2.053	2.041	0.370

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:23	98.425%	1.503	8.517	8.631	0.000	103.500	7222.000	7241.000
2	21:45:06	99.456%	1.488	8.496	8.201	0.000	104.300	7174.000	7173.000
3	21:45:49	99.798%	1.504	8.591	8.757	0.000	103.600	7101.000	7141.000
x		99.226%	1.498	8.535	8.530	0.000	103.800	7165.000	7185.000
σ		0.715%	0.009	0.050	0.291	0.000	0.459	60.680	50.910
%RSD		0.720	0.626	0.585	3.418	0.000	0.442	0.847	0.709

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:23	31040.000	1879.000	0.000	2586.000	985.400	913.500	108.676%	209.400
2	21:45:06	30830.000	1861.000	0.000	2606.000	1038.000	907.000	109.360%	208.700
3	21:45:49	30520.000	1826.000	0.000	2585.000	1011.000	916.100	108.947%	207.800
x		30800.000	1855.000	0.000	2592.000	1012.000	912.200	108.994%	208.600
σ		262.600	27.030	0.000	11.680	26.560	4.702	0.345%	0.830
%RSD		0.853	1.457	0.000	0.451	2.625	0.515	0.316	0.398

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:23	44.390	37.610	1725.000	58880.000	58690.000	29.360	61.070	44.460
2	21:45:06	44.280	37.510	1723.000	58530.000	58420.000	29.220	61.360	45.240
3	21:45:49	44.060	37.410	1713.000	58290.000	58170.000	28.920	60.470	44.320
x		44.240	37.510	1720.000	58570.000	58430.000	29.170	60.970	44.670
σ		0.170	0.101	6.314	293.900	260.600	0.225	0.456	0.496
%RSD		0.385	0.270	0.367	0.502	0.446	0.771	0.749	1.110

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:23	44.300	159.600	161.100	28.770	1.580	0.482	0.000	14.650
2	21:45:06	44.820	159.900	161.800	28.640	1.461	0.613	0.000	14.870
3	21:45:49	44.340	158.500	160.900	28.790	1.088	1.221	0.000	14.840
x		44.480	159.300	161.300	28.740	1.376	0.772	0.000	14.790
σ		0.287	0.702	0.437	0.080	0.257	0.394	0.000	0.119
%RSD		0.645	0.441	0.271	0.280	18.670	51.080	0.000	0.804

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:23	0.000	1.852	1.950	104.354%	0.048	0.035	0.382	0.284
2	21:45:06	0.000	2.016	1.997	104.938%	0.053	0.031	0.347	0.279
3	21:45:49	0.000	1.909	1.980	104.681%	0.050	0.033	0.272	0.260
x		0.000	1.926	1.976	104.658%	0.050	0.033	0.334	0.274
σ		0.000	0.083	0.024	0.292%	0.002	0.002	0.057	0.013
%RSD		0.000	4.333	1.218	0.279	4.774	5.810	16.960	4.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:23	105.665%	0.644	0.106	0.092	187.100	185.300	107.988%	107.959%
2	21:45:06	107.306%	0.647	0.092	0.085	187.300	185.900	110.345%	109.624%
3	21:45:49	108.410%	0.591	0.093	0.106	183.300	184.000	110.570%	110.410%
x		107.127%	0.628	0.097	0.094	185.900	185.100	109.634%	109.331%
σ		1.381%	0.032	0.008	0.011	2.265	0.935	1.430%	1.251%
%RSD		1.289	5.024	7.952	11.410	1.218	0.505	1.304	1.145

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:23	0.398	0.402	28.350	27.860	28.120	100.283%
2	21:45:06	0.431	0.421	28.940	28.470	28.690	100.507%
3	21:45:49	0.417	0.412	28.740	28.330	28.550	101.173%
x		0.415	0.412	28.680	28.220	28.450	100.654%
σ		0.017	0.010	0.297	0.321	0.297	0.463%
%RSD		4.008	2.391	1.036	1.138	1.043	0.460

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:36	81.609%	56.490	927.700	936.300	0.000	49390.000	88640.000	88510.000
2	21:53:19	83.158%	55.850	946.200	938.700	0.000	49030.000	88560.000	87630.000
3	21:54:02	82.808%	56.510	952.300	954.200	0.000	49380.000	88870.000	88090.000
x		82.525%	56.280	942.100	943.100	0.000	49260.000	88690.000	88080.000
σ		0.812%	0.376	12.800	9.689	0.000	205.600	164.600	441.800
%RSD		0.984	0.669	1.358	1.027	0.000	0.417	0.186	0.502
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:36	205400.000	21200.000	0.000	61230.000	47900.000	47900.000	105.268%	1898.000
2	21:53:19	204800.000	20920.000	0.000	61520.000	48370.000	48340.000	106.244%	1900.000
3	21:54:02	206100.000	21040.000	0.000	61580.000	48290.000	48210.000	106.312%	1903.000
x		205400.000	21050.000	0.000	61440.000	48190.000	48150.000	105.941%	1901.000
σ		698.300	140.400	0.000	186.700	249.100	224.900	0.584%	2.756
%RSD		0.340	0.667	0.000	0.304	0.517	0.467	0.551	0.145
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:36	752.500	381.500	8072.000	277500.000	285100.000	575.100	731.200	428.000
2	21:53:19	750.100	382.000	8077.000	278200.000	286000.000	572.400	728.100	428.700
3	21:54:02	756.300	384.200	8134.000	278800.000	285600.000	573.700	730.700	429.900
x		753.000	382.500	8094.000	278100.000	285600.000	573.800	730.000	428.900
σ		3.110	1.412	34.570	667.900	410.600	1.337	1.689	0.968
%RSD		0.413	0.369	0.427	0.240	0.144	0.233	0.231	0.226
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:36	430.200	1209.000	1223.000	172.000	10.920	11.490	0.000	1145.000
2	21:53:19	431.800	1221.000	1231.000	171.900	10.810	11.360	0.000	1148.000
3	21:54:02	432.500	1222.000	1236.000	172.900	11.100	11.260	0.000	1154.000
x		431.500	1217.000	1230.000	172.300	10.940	11.370	0.000	1149.000
σ		1.168	7.167	6.364	0.557	0.148	0.116	0.000	4.649
%RSD		0.271	0.589	0.517	0.323	1.357	1.020	0.000	0.405
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:36	0.000	906.800	910.100	91.217%	45.630	45.160	48.560	46.420
2	21:53:19	0.000	915.200	916.400	92.032%	45.720	45.640	48.660	46.420
3	21:54:02	0.000	918.500	924.700	92.258%	46.080	45.470	48.330	45.660
x		0.000	913.500	917.100	91.836%	45.810	45.420	48.510	46.170
σ		0.000	6.019	7.325	0.548%	0.238	0.244	0.168	0.441
%RSD		0.000	0.659	0.799	0.596	0.519	0.538	0.346	0.954
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:36	95.583%	533.600	124.800	123.600	2555.000	2866.000	111.597%	109.381%
2	21:53:19	97.572%	534.000	124.100	123.600	2658.000	2838.000	113.854%	112.630%
3	21:54:02	99.119%	529.700	124.500	124.000	2651.000	2828.000	115.347%	114.304%
x		97.425%	532.400	124.500	123.800	2621.000	2844.000	113.599%	112.105%
σ		1.773%	2.360	0.358	0.197	57.330	19.670	1.888%	2.503%
%RSD		1.820	0.443	0.287	0.159	2.187	0.692	1.662	2.233
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:52:36	46.900	46.970	160.400	160.100	160.700	93.782%		
2	21:53:19	47.480	47.740	163.000	162.600	163.500	94.562%		
3	21:54:02	47.630	47.900	163.900	164.400	165.300	95.255%		
x		47.340	47.540	162.400	162.400	163.200	94.533%		
σ		0.389	0.496	1.835	2.182	2.312	0.737%		
%RSD		0.822	1.044	1.130	1.344	1.417	0.780		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:48	79.900%	56.480	943.000	948.700	0.000	48620.000	88010.000	87400.000
2	22:01:31	80.691%	56.570	958.400	960.700	0.000	49220.000	88670.000	87990.000
3	22:02:14	80.551%	54.980	968.500	963.400	0.000	49000.000	88870.000	88240.000
x		80.381%	56.010	956.600	957.600	0.000	48950.000	88520.000	87880.000
σ		0.422%	0.891	12.850	7.852	0.000	303.300	449.700	434.800
%RSD		0.525	1.590	1.343	0.820	0.000	0.620	0.508	0.495
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:48	216400.000	18650.000	0.000	63700.000	47220.000	47820.000	102.566%	1849.000
2	22:01:31	218400.000	18600.000	0.000	64280.000	47650.000	47740.000	104.000%	1867.000
3	22:02:14	218500.000	18560.000	0.000	63730.000	47700.000	47710.000	103.930%	1855.000
x		217800.000	18610.000	0.000	63900.000	47520.000	47760.000	103.499%	1857.000
σ		1187.000	41.830	0.000	330.700	261.900	51.600	0.808%	8.742
%RSD		0.545	0.225	0.000	0.518	0.551	0.108	0.781	0.471
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:48	716.300	388.400	7126.000	274300.000	282900.000	562.800	710.500	419.800
2	22:01:31	773.700	392.100	7132.000	274400.000	282400.000	565.500	710.100	422.200
3	22:02:14	763.300	389.800	7155.000	273300.000	282300.000	552.000	710.600	420.700
x		751.100	390.100	7138.000	274000.000	282600.000	560.100	710.400	420.900
σ		30.560	1.853	14.980	629.900	331.000	7.145	0.245	1.224
%RSD		4.069	0.475	0.210	0.230	0.117	1.276	0.034	0.291
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:48	423.400	1181.000	1191.000	169.600	11.130	11.850	0.000	1145.000
2	22:01:31	425.900	1192.000	1203.000	170.300	11.180	12.230	0.000	1159.000
3	22:02:14	422.600	1193.000	1203.000	170.000	11.250	12.210	0.000	1145.000
x		424.000	1188.000	1199.000	170.000	11.190	12.100	0.000	1150.000
σ		1.704	6.337	6.979	0.327	0.057	0.211	0.000	7.793
%RSD		0.402	0.533	0.582	0.193	0.505	1.742	0.000	0.678
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:48	0.000	890.500	897.200	89.152%	45.220	44.790	48.160	46.490
2	22:01:31	0.000	904.600	912.000	90.166%	45.620	45.060	48.170	45.910
3	22:02:14	0.000	900.200	911.800	90.951%	45.260	44.840	47.620	46.090
x		0.000	898.400	907.000	90.090%	45.370	44.900	47.980	46.160
σ		0.000	7.190	8.496	0.902%	0.223	0.143	0.317	0.300
%RSD		0.000	0.800	0.937	1.001	0.491	0.320	0.660	0.650
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:48	93.713%	473.900	109.500	109.300	2532.000	2839.000	109.473%	107.851%
2	22:01:31	96.424%	476.100	109.600	108.900	2530.000	2834.000	112.179%	110.586%
3	22:02:14	96.750%	474.600	109.100	108.500	2536.000	2824.000	113.435%	112.493%
x		95.629%	474.800	109.400	108.900	2533.000	2832.000	111.695%	110.310%
σ		1.667%	1.110	0.265	0.412	3.057	7.649	2.025%	2.333%
%RSD		1.744	0.234	0.242	0.378	0.121	0.270	1.813	2.115
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:00:48	46.300	46.150	158.100	158.100	158.600	91.789%		
2	22:01:31	47.520	47.810	163.200	163.400	164.100	91.829%		
3	22:02:14	47.410	47.700	162.900	163.000	163.600	92.742%		
x		47.070	47.220	161.400	161.500	162.100	92.120%		
σ		0.676	0.927	2.888	2.913	3.014	0.539%		
%RSD		1.435	1.963	1.790	1.804	1.859	0.585		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:02	80.162%	58.520	1056.000	1064.000	0.000	52440.000	86700.000	86330.000
2	22:09:45	81.063%	58.590	1079.000	1076.000	0.000	52590.000	86780.000	86510.000
3	22:10:28	81.439%	58.920	1085.000	1083.000	0.000	52740.000	86910.000	86500.000
x		80.888%	58.680	1073.000	1074.000	0.000	52590.000	86800.000	86450.000
σ		0.656%	0.216	15.170	9.558	0.000	149.900	101.800	99.920
%RSD		0.811	0.368	1.413	0.890	0.000	0.285	0.117	0.116

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:02	151800.000	16810.000	0.000	59820.000	52230.000	52200.000	98.893%	1872.000
2	22:09:45	151900.000	16660.000	0.000	59800.000	51810.000	52120.000	100.412%	1862.000
3	22:10:28	152500.000	16590.000	0.000	60110.000	51560.000	52080.000	100.677%	1868.000
x		152100.000	16690.000	0.000	59910.000	51870.000	52130.000	99.994%	1867.000
σ		396.500	112.900	0.000	175.700	336.100	61.960	0.963%	5.128
%RSD		0.261	0.676	0.000	0.293	0.648	0.119	0.963	0.275

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:02	685.100	365.500	8482.000	269300.000	276200.000	616.400	757.400	443.900
2	22:09:45	730.100	364.600	8479.000	268300.000	274800.000	598.000	757.900	442.900
3	22:10:28	686.500	364.800	8516.000	268300.000	276700.000	612.300	753.600	446.700
x		700.600	365.000	8492.000	268600.000	275900.000	608.900	756.300	444.500
σ		25.580	0.519	20.450	556.900	987.800	9.659	2.396	1.946
%RSD		3.651	0.142	0.241	0.207	0.358	1.586	0.317	0.438

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:02	447.500	1217.000	1223.000	173.000	12.860	13.200	0.000	1186.000
2	22:09:45	446.800	1217.000	1231.000	173.800	12.920	13.030	0.000	1194.000
3	22:10:28	446.800	1230.000	1245.000	174.800	12.390	13.350	0.000	1202.000
x		447.000	1221.000	1233.000	173.900	12.730	13.190	0.000	1194.000
σ		0.385	7.434	11.080	0.877	0.291	0.161	0.000	7.959
%RSD		0.086	0.609	0.899	0.504	2.284	1.218	0.000	0.667

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:02	0.000	1014.000	1020.000	89.424%	50.910	50.450	52.360	43.080
2	22:09:45	0.000	1025.000	1033.000	90.496%	51.490	51.130	51.880	43.590
3	22:10:28	0.000	1029.000	1034.000	90.178%	51.440	50.990	52.190	42.120
x		0.000	1023.000	1029.000	90.033%	51.280	50.850	52.140	42.930
σ		0.000	7.661	7.653	0.550%	0.319	0.359	0.241	0.747
%RSD		0.000	0.749	0.744	0.611	0.622	0.707	0.463	1.740

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:02	92.608%	2072.000	456.100	453.600	2389.000	3019.000	108.960%	107.271%
2	22:09:45	93.949%	2087.000	466.800	465.000	2226.000	3033.000	110.832%	109.593%
3	22:10:28	95.332%	2080.000	469.100	467.900	2056.000	3021.000	111.530%	109.753%
x		93.963%	2080.000	464.000	462.200	2224.000	3024.000	110.441%	108.872%
σ		1.362%	7.580	6.909	7.577	166.700	7.670	1.329%	1.389%
%RSD		1.450	0.364	1.489	1.639	7.494	0.254	1.203	1.276

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:02	52.370	52.410	157.100	156.600	157.400	92.411%
2	22:09:45	53.300	53.450	159.800	158.500	159.700	92.559%
3	22:10:28	53.980	53.840	160.900	160.100	160.900	92.861%
x		53.220	53.230	159.300	158.400	159.300	92.610%
σ		0.809	0.741	1.938	1.777	1.786	0.229%
%RSD		1.520	1.392	1.217	1.122	1.121	0.248

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:15	87.674%	2.449	31.220	30.300	0.000	278.400	12180.000	12130.000
2	22:17:58	87.604%	2.769	29.140	30.110	0.000	284.500	12320.000	12230.000
3	22:18:41	88.887%	2.739	29.430	28.320	0.000	278.900	12150.000	12120.000
x		88.055%	2.653	29.930	29.580	0.000	280.600	12220.000	12160.000
σ		0.721%	0.177	1.128	1.096	0.000	3.401	90.670	63.480
%RSD		0.819	6.671	3.768	3.707	0.000	1.212	0.742	0.522
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:15	47390.000	6781.000	0.000	6016.000	2717.000	2484.000	98.483%	372.500
2	22:17:58	48090.000	6852.000	0.000	6134.000	2696.000	2528.000	98.103%	380.900
3	22:18:41	47390.000	6760.000	0.000	6047.000	2765.000	2512.000	98.782%	375.100
x		47620.000	6798.000	0.000	6066.000	2726.000	2508.000	98.456%	376.200
σ		401.800	48.180	0.000	61.280	35.180	22.280	0.340%	4.291
%RSD		0.844	0.709	0.000	1.010	1.290	0.888	0.346	1.141
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:15	77.780	72.970	5803.000	131300.000	131700.000	59.210	154.800	88.340
2	22:17:58	79.110	74.110	5972.000	134100.000	134700.000	60.440	156.800	89.090
3	22:18:41	78.500	73.360	5886.000	132500.000	133400.000	59.560	155.500	88.390
x		78.460	73.480	5887.000	132600.000	133300.000	59.740	155.700	88.610
σ		0.666	0.583	84.400	1452.000	1469.000	0.634	1.041	0.421
%RSD		0.848	0.794	1.434	1.095	1.103	1.061	0.668	0.475
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:15	88.930	458.800	462.000	152.600	1.792	0.812	0.000	37.810
2	22:17:58	89.760	466.800	470.300	154.700	1.597	1.139	0.000	38.620
3	22:18:41	88.480	460.600	466.800	154.500	1.623	1.220	0.000	38.130
x		89.060	462.100	466.400	153.900	1.671	1.057	0.000	38.190
σ		0.654	4.199	4.176	1.121	0.106	0.216	0.000	0.405
%RSD		0.734	0.909	0.895	0.728	6.339	20.430	0.000	1.061
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:15	0.000	7.403	7.153	94.767%	0.202	0.149	1.264	1.139
2	22:17:58	0.000	7.190	7.101	95.658%	0.185	0.163	1.205	1.159
3	22:18:41	0.000	7.003	7.056	96.068%	0.178	0.180	1.275	1.105
x		0.000	7.199	7.104	95.498%	0.188	0.164	1.248	1.135
σ		0.000	0.200	0.048	0.665%	0.012	0.016	0.037	0.028
%RSD		0.000	2.780	0.682	0.696	6.394	9.635	2.999	2.433
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:15	96.810%	4.906	2.635	2.684	432.800	430.000	104.014%	103.403%
2	22:17:58	97.433%	4.698	2.357	2.346	439.400	436.800	104.642%	103.879%
3	22:18:41	99.292%	4.310	1.901	1.899	430.400	430.500	105.988%	105.944%
x		97.845%	4.638	2.298	2.310	434.200	432.400	104.881%	104.409%
σ		1.291%	0.302	0.371	0.394	4.643	3.787	1.009%	1.350%
%RSD		1.320	6.517	16.130	17.040	1.069	0.876	0.962	1.293
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:17:15	1.075	1.101	79.160	78.810	78.720	98.965%		
2	22:17:58	1.131	1.113	81.810	81.220	81.720	98.117%		
3	22:18:41	1.061	1.117	80.650	79.960	80.400	98.804%		
x		1.089	1.111	80.540	80.000	80.280	98.629%		
σ		0.037	0.008	1.326	1.205	1.505	0.450%		
%RSD		3.365	0.741	1.647	1.507	1.875	0.457		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:29	84.980%	4.787	31.840	33.680	0.000	333.100	20860.000	20840.000
2	22:26:12	86.698%	5.311	32.470	33.260	0.000	338.600	20900.000	20830.000
3	22:26:55	87.410%	4.996	32.130	32.970	0.000	333.400	20860.000	20740.000
x		86.363%	5.031	32.150	33.310	0.000	335.000	20870.000	20800.000
σ		1.249%	0.264	0.318	0.356	0.000	3.113	24.020	54.400
%RSD		1.446	5.242	0.989	1.068	0.000	0.929	0.115	0.262

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:29	89650.000	6941.000	0.000	9684.000	1771.000	1601.000	98.355%	600.400
2	22:26:12	89510.000	6921.000	0.000	9631.000	1815.000	1605.000	100.724%	601.800
3	22:26:55	89650.000	6879.000	0.000	9723.000	1829.000	1603.000	100.571%	604.700
x		89600.000	6913.000	0.000	9679.000	1805.000	1603.000	99.883%	602.300
σ		81.310	31.400	0.000	46.100	30.690	1.720	1.326%	2.208
%RSD		0.091	0.454	0.000	0.476	1.700	0.107	1.327	0.367

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:29	129.800	118.400	12890.000	214700.000	217700.000	119.400	230.500	133.500
2	22:26:12	129.100	118.400	12850.000	213200.000	216400.000	118.700	229.200	132.700
3	22:26:55	130.900	119.200	12830.000	214000.000	218400.000	119.900	231.400	133.400
x		129.900	118.700	12860.000	214000.000	217500.000	119.300	230.400	133.200
σ		0.933	0.493	30.270	719.500	1009.000	0.588	1.147	0.454
%RSD		0.718	0.415	0.235	0.336	0.464	0.492	0.498	0.341

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:29	132.900	634.400	643.900	121.200	2.280	2.006	0.000	39.720
2	22:26:12	132.500	635.800	641.400	121.500	2.050	2.477	0.000	39.820
3	22:26:55	133.400	642.000	650.500	121.000	2.228	2.579	0.000	40.300
x		132.900	637.400	645.300	121.200	2.186	2.354	0.000	39.950
σ		0.498	4.054	4.686	0.286	0.120	0.306	0.000	0.309
%RSD		0.374	0.636	0.726	0.236	5.500	12.980	0.000	0.774

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:29	0.000	8.434	8.349	93.842%	0.231	0.195	1.389	1.175
2	22:26:12	0.000	8.483	8.605	95.895%	0.210	0.197	1.304	1.060
3	22:26:55	0.000	8.567	8.524	95.961%	0.251	0.173	1.311	1.102
x		0.000	8.495	8.493	95.233%	0.231	0.188	1.335	1.113
σ		0.000	0.068	0.131	1.205%	0.020	0.014	0.047	0.058
%RSD		0.000	0.796	1.537	1.265	8.771	7.168	3.553	5.212

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:29	95.815%	2.659	0.661	0.663	592.500	587.700	108.586%	106.958%
2	22:26:12	98.844%	2.700	0.670	0.641	593.600	589.800	111.391%	110.372%
3	22:26:55	99.651%	2.642	0.641	0.631	590.600	585.100	111.529%	110.525%
x		98.103%	2.667	0.657	0.645	592.200	587.500	110.502%	109.285%
σ		2.022%	0.030	0.014	0.016	1.534	2.348	1.661%	2.017%
%RSD		2.061	1.131	2.204	2.524	0.259	0.400	1.503	1.845

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:29	1.302	1.309	104.600	103.500	103.800	98.384%
2	22:26:12	1.354	1.364	106.700	105.600	105.900	99.795%
3	22:26:55	1.351	1.343	106.000	104.500	105.200	100.393%
x		1.336	1.339	105.800	104.500	105.000	99.524%
σ		0.029	0.028	1.098	1.058	1.086	1.031%
%RSD		2.185	2.081	1.038	1.012	1.035	1.036

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:43	84.192%	8.132	34.780	35.540	0.000	499.100	36200.000	36020.000
2	22:34:26	84.424%	8.020	35.390	36.610	0.000	504.500	36440.000	36000.000
3	22:35:09	84.038%	8.553	37.570	36.980	0.000	515.100	36880.000	36790.000
x		84.218%	8.235	35.910	36.380	0.000	506.200	36510.000	36270.000
σ		0.194%	0.281	1.464	0.749	0.000	8.150	343.700	453.600
%RSD		0.231	3.413	4.077	2.059	0.000	1.610	0.942	1.251
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:43	142500.000	8618.000	0.000	11650.000	5599.000	5007.000	101.157%	932.900
2	22:34:26	142100.000	8608.000	0.000	11700.000	5512.000	5036.000	103.372%	932.800
3	22:35:09	145600.000	8785.000	0.000	11930.000	5567.000	5121.000	102.577%	954.700
x		143400.000	8670.000	0.000	11760.000	5559.000	5055.000	102.369%	940.100
σ		1925.000	99.450	0.000	146.700	43.960	59.600	1.122%	12.590
%RSD		1.342	1.147	0.000	1.247	0.791	1.179	1.096	1.339
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:43	204.100	168.700	4392.000	306700.000	315000.000	120.300	268.400	212.100
2	22:34:26	206.200	169.100	4399.000	305700.000	314800.000	120.500	267.100	211.900
3	22:35:09	209.400	172.300	4488.000	310800.000	321800.000	123.400	270.500	216.000
x		206.500	170.100	4426.000	307700.000	317200.000	121.400	268.700	213.300
σ		2.663	1.990	53.570	2697.000	3997.000	1.699	1.740	2.347
%RSD		1.289	1.170	1.210	0.876	1.260	1.399	0.648	1.100
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:43	211.800	785.100	802.900	140.200	2.624	3.219	0.000	84.530
2	22:34:26	213.900	790.700	805.000	140.500	2.629	3.535	0.000	85.830
3	22:35:09	219.400	811.000	822.400	144.000	2.637	3.492	0.000	87.620
x		215.000	795.600	810.100	141.600	2.630	3.416	0.000	86.000
σ		3.958	13.640	10.690	2.097	0.006	0.171	0.000	1.548
%RSD		1.840	1.715	1.320	1.481	0.246	5.013	0.000	1.800
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:43	0.000	11.690	11.880	93.333%	0.357	0.272	1.764	1.428
2	22:34:26	0.000	11.710	11.940	94.388%	0.329	0.276	1.497	1.285
3	22:35:09	0.000	12.010	12.260	94.162%	0.363	0.275	1.649	1.309
x		0.000	11.800	12.030	93.961%	0.349	0.274	1.637	1.341
σ		0.000	0.181	0.207	0.556%	0.018	0.002	0.134	0.076
%RSD		0.000	1.533	1.723	0.591	5.253	0.805	8.190	5.704
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:43	97.047%	2.274	0.470	0.458	821.500	813.300	112.356%	110.591%
2	22:34:26	99.487%	2.277	0.462	0.426	819.700	815.500	115.387%	114.070%
3	22:35:09	99.132%	2.271	0.460	0.466	838.500	836.600	114.877%	113.368%
x		98.555%	2.274	0.464	0.450	826.600	821.800	114.206%	112.677%
σ		1.318%	0.003	0.005	0.021	10.390	12.890	1.623%	1.840%
%RSD		1.338	0.141	1.096	4.649	1.257	1.568	1.421	1.633
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:33:43	1.883	1.853	145.900	144.100	145.300	98.349%		
2	22:34:26	1.908	1.954	149.600	147.400	149.200	99.033%		
3	22:35:09	1.961	1.962	153.400	151.600	153.300	98.815%		
x		1.917	1.923	149.600	147.700	149.200	98.732%		
σ		0.040	0.061	3.763	3.758	4.005	0.350%		
%RSD		2.091	3.157	2.515	2.544	2.684	0.354		

CCV 781130 4/10/2013 10:41:14 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:57	92.088%	102.000	100.700	102.600	0.000	50940.000	50920.000	50930.000
2	22:42:40	91.832%	102.100	103.900	102.800	0.000	50950.000	51220.000	51100.000
3	22:43:23	91.729%	100.700	103.800	104.100	0.000	50940.000	50990.000	51020.000
x		91.883%	101.566%	102.838%	103.168%	0.000	101.886%	102.090%	102.029%
σ		0.185%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.201	0.782	1.775	0.777	0.000	0.010	0.303	0.167
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:57	507.800	5513.000	0.000	50480.000	49520.000	49980.000	98.531%	100.200
2	22:42:40	508.700	5513.000	0.000	50820.000	50130.000	50440.000	98.007%	99.850
3	22:43:23	507.000	5499.000	0.000	50750.000	49680.000	49940.000	97.623%	100.900
x		101.568%	110.172%	0.000	101.373%	99.559%	100.235%	98.054%	100.316%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.456%	n/a
%RSD		0.175	0.148	0.000	0.354	0.638	0.555	0.465	0.558
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:57	98.620	98.650	501.600	25370.000	25210.000	99.840	99.480	100.300
2	22:42:40	98.810	98.490	498.100	25230.000	25140.000	99.940	100.400	99.920
3	22:43:23	98.350	98.500	500.500	25280.000	25210.000	99.950	99.030	100.600
x		98.594%	98.546%	100.011%	101.171%	100.744%	99.911%	99.641%	100.294%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.232	0.091	0.354	0.275	0.158	0.059	0.705	0.352
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:57	99.980	99.120	99.870	99.110	99.650	97.630	0.000	99.670
2	22:42:40	99.720	100.200	99.290	99.220	99.470	98.460	0.000	99.600
3	22:43:23	100.900	100.000	99.840	98.700	99.610	98.380	0.000	98.960
x		100.211%	99.776%	99.667%	99.008%	99.574%	98.157%	0.000	99.412%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.636	0.580	0.327	0.277	0.095	0.466	0.000	0.397
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:57	97.514%	96.600	97.930	96.183%	97.880	98.500	97.710	97.230
2	22:42:40	98.556%	99.990	101.100	96.163%	98.570	99.000	97.980	99.050
3	22:43:23	98.356%	102.300	101.700	95.473%	98.350	98.350	98.070	98.130
x		98.142%	99.646%	100.242%	95.940%	98.268%	98.616%	97.920%	98.137%
σ		0.553%	n/a	n/a	0.404%	n/a	n/a	n/a	n/a
%RSD		0.563	2.902	2.017	0.422	0.360	0.341	0.190	0.925
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:57	97.549%	98.490	98.380	97.820	99.680	100.500	98.158%	98.392%
2	22:42:40	97.820%	99.350	98.610	98.450	99.700	99.740	100.113%	100.190%
3	22:43:23	98.309%	98.610	97.720	98.030	99.510	99.290	100.146%	100.183%
x		97.893%	98.815%	98.237%	98.100%	99.630%	99.843%	99.472%	99.588%
σ		0.385%	n/a	n/a	n/a	n/a	n/a	1.139%	1.036%
%RSD		0.393	0.470	0.469	0.331	0.104	0.607	1.145	1.040
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:41:57	97.250	96.840	97.610	97.150	97.440	96.552%		
2	22:42:40	99.030	98.100	99.090	98.220	98.840	97.188%		
3	22:43:23	99.110	99.170	99.360	98.410	98.970	97.671%		
x		98.466%	98.039%	98.688%	97.928%	98.418%	97.137%		
σ		n/a	n/a	n/a	n/a	n/a	0.561%		
%RSD		1.070	1.190	0.954	0.695	0.859	0.578		

CCB2 4/10/2013 10:49:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:12	104.434%	-0.018	1.099	1.479	0.000	-3.318	2.297	2.325
2	22:50:55	105.693%	-0.027	1.216	1.302	0.000	-2.927	2.545	2.320
3	22:51:38	107.033%	-0.015	1.316	1.180	0.000	-2.468	3.445	3.031
x		105.720%	-0.020	1.210	1.320	0.000	-2.904	2.762	2.559
σ		1.300%	0.006	0.109	0.150	0.000	0.426	0.604	0.409
%RSD		1.229	29.630	8.974	11.390	0.000	14.660	21.870	15.990
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:12	2.159	0.292	0.000	13.390	12.570	-9.319	111.855%	0.010
2	22:50:55	2.405	-9.326	0.000	8.598	14.180	-8.051	114.819%	0.029
3	22:51:38	2.732	19.770	0.000	10.660	26.370	-3.294	115.115%	0.071
x		2.432	3.578	0.000	10.880	17.710	-6.888	113.930%	0.037
σ		0.288	14.820	0.000	2.404	7.543	3.177	1.803%	0.032
%RSD		11.820	414.300	0.000	22.090	42.590	46.120	1.582	86.260
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:12	0.009	-0.020	0.055	-0.830	2.574	-0.005	0.036	0.243
2	22:50:55	0.024	0.008	0.067	-1.519	1.449	-0.006	0.043	0.228
3	22:51:38	0.025	-0.020	0.095	-0.535	3.778	-0.002	0.055	0.205
x		0.019	-0.011	0.072	-0.961	2.601	-0.004	0.045	0.225
σ		0.009	0.016	0.020	0.505	1.165	0.002	0.010	0.019
%RSD		46.020	153.600	27.700	52.540	44.780	46.330	21.360	8.505
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:12	0.249	2.062	2.326	-0.152	0.306	-0.761	0.000	0.041
2	22:50:55	0.230	1.981	2.077	-0.068	0.415	-0.270	0.000	0.041
3	22:51:38	0.196	2.031	2.023	-0.114	0.369	-0.673	0.000	0.046
x		0.225	2.024	2.142	-0.111	0.363	-0.568	0.000	0.042
σ		0.027	0.041	0.162	0.042	0.054	0.262	0.000	0.003
%RSD		11.840	2.012	7.555	37.830	15.000	46.100	0.000	6.626
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:12	109.045%	0.152	0.164	102.986%	-0.005	-0.001	0.027	0.019
2	22:50:55	111.370%	0.106	0.167	104.513%	-0.006	-0.005	0.018	0.018
3	22:51:38	112.015%	0.089	0.109	105.438%	0.002	0.001	-0.003	0.005
x		110.810%	0.116	0.147	104.312%	-0.003	-0.002	0.014	0.014
σ		1.562%	0.032	0.033	1.238%	0.004	0.003	0.015	0.008
%RSD		1.410	28.030	22.300	1.187	161.100	166.800	107.800	56.360
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:12	101.399%	0.200	0.032	0.030	0.040	0.037	99.502%	99.305%
2	22:50:55	102.728%	0.190	0.028	0.038	0.099	0.050	101.724%	101.021%
3	22:51:38	104.340%	0.153	0.020	0.025	0.043	0.045	102.973%	103.370%
x		102.822%	0.181	0.026	0.031	0.061	0.044	101.400%	101.232%
σ		1.473%	0.025	0.006	0.006	0.033	0.006	1.758%	2.041%
%RSD		1.433	13.750	23.360	19.990	54.600	14.560	1.734	2.016
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:50:12	0.011	0.013	0.024	0.024	0.020	102.016%		
2	22:50:55	0.006	0.009	0.018	0.013	0.017	103.854%		
3	22:51:38	0.007	0.004	0.025	0.026	0.023	104.472%		
x		0.008	0.009	0.022	0.021	0.020	103.447%		
σ		0.003	0.005	0.003	0.007	0.003	1.277%		
%RSD		34.540	50.120	15.140	32.790	12.770	1.235		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:03	83.298%	6.173	32.640	34.040	0.000	462.900	26470.000	26420.000
2	22:55:46	83.483%	5.699	33.470	35.910	0.000	480.400	27090.000	26900.000
3	22:56:29	86.176%	6.028	34.050	34.430	0.000	457.100	25800.000	25790.000
x		84.319%	5.967	33.390	34.790	0.000	466.800	26450.000	26370.000
σ		1.611%	0.243	0.707	0.989	0.000	12.150	647.100	558.000
%RSD		1.910	4.070	2.118	2.843	0.000	2.604	2.446	2.116

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:03	113000.000	7937.000	0.000	11010.000	5830.000	5334.000	100.147%	709.000
2	22:55:46	114900.000	8042.000	0.000	11250.000	5950.000	5419.000	101.031%	718.300
3	22:56:29	110300.000	7696.000	0.000	10890.000	5727.000	5271.000	102.253%	703.300
x		112700.000	7892.000	0.000	11050.000	5836.000	5341.000	101.143%	710.200
σ		2354.000	177.600	0.000	184.400	111.800	73.960	1.057%	7.579
%RSD		2.088	2.250	0.000	1.669	1.915	1.385	1.045	1.067

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:03	151.300	143.500	2979.000	237900.000	242700.000	137.600	330.000	178.900
2	22:55:46	154.800	146.900	3044.000	242700.000	248100.000	140.300	337.600	182.900
3	22:56:29	149.000	142.800	2960.000	235500.000	241200.000	136.600	330.700	176.500
x		151.700	144.400	2994.000	238700.000	244000.000	138.100	332.800	179.400
σ		2.879	2.230	44.240	3662.000	3626.000	1.906	4.172	3.267
%RSD		1.898	1.544	1.477	1.534	1.486	1.380	1.254	1.821

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:03	178.800	563.000	568.600	174.800	1.968	3.093	0.000	70.180
2	22:55:46	184.200	571.400	580.200	178.700	2.449	2.982	0.000	72.260
3	22:56:29	176.400	558.100	567.400	175.300	2.299	2.822	0.000	69.950
x		179.800	564.100	572.100	176.300	2.239	2.966	0.000	70.800
σ		3.959	6.714	7.086	2.092	0.246	0.136	0.000	1.275
%RSD		2.202	1.190	1.239	1.187	11.000	4.594	0.000	1.801

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:03	0.000	6.955	7.009	93.799%	0.211	0.126	1.259	1.035
2	22:55:46	0.000	7.376	7.277	93.853%	0.225	0.166	1.271	1.020
3	22:56:29	0.000	7.144	7.005	95.892%	0.234	0.149	1.155	0.962
x		0.000	7.158	7.097	94.515%	0.224	0.147	1.228	1.006
σ		0.000	0.211	0.156	1.193%	0.012	0.020	0.064	0.038
%RSD		0.000	2.944	2.198	1.263	5.209	13.740	5.175	3.822

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:03	95.589%	2.417	0.334	0.312	605.700	602.000	108.437%	106.171%
2	22:55:46	96.947%	2.373	0.353	0.364	618.600	618.400	109.414%	108.653%
3	22:56:29	98.603%	2.236	0.336	0.365	595.800	593.900	111.390%	109.621%
x		97.046%	2.342	0.341	0.347	606.700	604.800	109.747%	108.149%
σ		1.510%	0.095	0.011	0.030	11.450	12.460	1.504%	1.779%
%RSD		1.556	4.045	3.113	8.719	1.887	2.061	1.371	1.645

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:03	1.843	1.875	120.800	119.400	120.200	99.394%
2	22:55:46	1.932	1.939	126.000	125.000	125.700	98.588%
3	22:56:29	1.861	1.887	123.100	122.600	122.600	99.516%
x		1.878	1.900	123.300	122.300	122.800	99.166%
σ		0.047	0.034	2.594	2.807	2.779	0.505%
%RSD		2.503	1.787	2.103	2.295	2.262	0.509

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:16	83.614%	3.928	24.130	24.920	0.000	312.600	18830.000	18670.000
2	23:03:59	85.573%	3.932	24.080	24.970	0.000	308.700	18680.000	18600.000
3	23:04:42	84.827%	4.039	25.170	25.580	0.000	314.700	18960.000	18830.000
x		84.671%	3.966	24.460	25.160	0.000	312.000	18830.000	18700.000
σ		0.989%	0.063	0.615	0.368	0.000	3.082	136.900	117.700
%RSD		1.168	1.587	2.513	1.461	0.000	0.988	0.727	0.630

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:16	83110.000	7868.000	0.000	8026.000	3159.000	2925.000	97.640%	629.100
2	23:03:59	82900.000	7849.000	0.000	8027.000	3174.000	2927.000	99.063%	631.500
3	23:04:42	83570.000	7915.000	0.000	8041.000	3225.000	2990.000	99.192%	632.400
x		83200.000	7877.000	0.000	8031.000	3186.000	2947.000	98.632%	631.000
σ		344.000	33.730	0.000	8.642	34.540	36.520	0.862%	1.704
%RSD		0.413	0.428	0.000	0.108	1.084	1.239	0.874	0.270

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:16	129.900	106.900	1650.000	170400.000	172400.000	66.440	194.100	107.100
2	23:03:59	127.900	106.300	1645.000	168600.000	170400.000	66.040	192.700	105.700
3	23:04:42	130.300	107.500	1661.000	169300.000	171100.000	66.270	193.900	106.900
x		129.400	106.900	1652.000	169400.000	171300.000	66.250	193.600	106.600
σ		1.259	0.588	8.240	881.800	977.100	0.202	0.778	0.754
%RSD		0.973	0.550	0.499	0.520	0.570	0.305	0.402	0.708

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:16	105.600	477.800	481.300	205.500	1.954	1.868	0.000	46.130
2	23:03:59	106.000	483.200	484.000	204.700	1.961	1.938	0.000	46.450
3	23:04:42	105.800	481.800	487.700	205.500	1.852	2.495	0.000	46.810
x		105.800	480.900	484.300	205.200	1.922	2.100	0.000	46.460
σ		0.169	2.841	3.211	0.467	0.061	0.344	0.000	0.339
%RSD		0.159	0.591	0.663	0.227	3.173	16.360	0.000	0.729

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:16	0.000	7.325	7.499	92.994%	0.217	0.140	0.970	0.858
2	23:03:59	0.000	7.559	7.618	94.628%	0.204	0.148	0.960	0.828
3	23:04:42	0.000	7.770	7.696	94.838%	0.189	0.141	1.030	0.870
x		0.000	7.551	7.605	94.153%	0.204	0.143	0.987	0.852
σ		0.000	0.222	0.099	1.010%	0.014	0.004	0.038	0.022
%RSD		0.000	2.943	1.305	1.072	6.907	3.059	3.845	2.529

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:16	95.395%	2.547	0.281	0.270	416.100	412.200	103.976%	102.978%
2	23:03:59	97.631%	2.520	0.287	0.271	414.000	412.500	106.963%	106.475%
3	23:04:42	97.481%	2.589	0.315	0.319	415.700	414.800	108.392%	106.817%
x		96.836%	2.552	0.294	0.286	415.300	413.200	106.444%	105.423%
σ		1.250%	0.035	0.018	0.028	1.137	1.435	2.253%	2.124%
%RSD		1.290	1.373	5.976	9.744	0.274	0.347	2.117	2.015

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:16	1.415	1.403	89.080	88.060	88.640	98.151%
2	23:03:59	1.411	1.408	90.080	88.660	89.540	100.468%
3	23:04:42	1.446	1.425	91.100	89.770	90.620	100.142%
x		1.424	1.412	90.090	88.830	89.600	99.587%
σ		0.019	0.011	1.011	0.866	0.993	1.254%
%RSD		1.346	0.796	1.123	0.975	1.109	1.259

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:28	82.795%	5.172	26.350	25.500	0.000	344.400	25560.000	25440.000
2	23:12:11	83.083%	5.194	26.900	26.050	0.000	347.200	25630.000	25560.000
3	23:12:54	83.147%	5.025	26.030	26.740	0.000	347.400	25470.000	25480.000
x		83.008%	5.130	26.430	26.100	0.000	346.300	25550.000	25490.000
σ		0.188%	0.092	0.438	0.620	0.000	1.688	81.730	57.590
%RSD		0.226	1.796	1.658	2.374	0.000	0.487	0.320	0.226

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:28	97200.000	6577.000	0.000	9147.000	3784.000	3482.000	96.466%	764.300
2	23:12:11	96600.000	6522.000	0.000	9167.000	3782.000	3472.000	98.254%	760.100
3	23:12:54	96840.000	6485.000	0.000	9136.000	3810.000	3481.000	97.938%	758.500
x		96880.000	6528.000	0.000	9150.000	3792.000	3478.000	97.553%	761.000
σ		304.700	46.310	0.000	16.050	15.220	5.293	0.954%	3.012
%RSD		0.315	0.709	0.000	0.175	0.401	0.152	0.978	0.396

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:28	149.400	130.300	9454.000	197800.000	200500.000	112.800	225.700	148.300
2	23:12:11	146.900	127.900	9430.000	196400.000	199000.000	112.600	225.400	146.700
3	23:12:54	147.300	127.300	9359.000	195200.000	197900.000	111.200	222.000	145.000
x		147.900	128.500	9414.000	196500.000	199100.000	112.200	224.400	146.700
σ		1.319	1.581	49.360	1320.000	1314.000	0.849	2.060	1.662
%RSD		0.892	1.231	0.524	0.672	0.660	0.757	0.918	1.133

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:28	148.000	832.400	841.300	196.200	2.141	2.244	0.000	58.280
2	23:12:11	147.100	833.600	843.500	197.300	2.065	1.896	0.000	59.070
3	23:12:54	147.500	832.300	838.900	196.000	2.308	2.690	0.000	59.250
x		147.500	832.800	841.200	196.500	2.171	2.277	0.000	58.870
σ		0.455	0.719	2.289	0.715	0.125	0.398	0.000	0.512
%RSD		0.309	0.086	0.272	0.364	5.737	17.480	0.000	0.870

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:28	0.000	10.170	10.240	91.865%	0.205	0.136	3.280	3.090
2	23:12:11	0.000	10.510	10.360	93.102%	0.200	0.117	3.259	2.961
3	23:12:54	0.000	10.320	10.530	93.853%	0.182	0.147	3.288	3.051
x		0.000	10.340	10.380	92.940%	0.196	0.133	3.276	3.034
σ		0.000	0.169	0.146	1.004%	0.012	0.015	0.015	0.066
%RSD		0.000	1.631	1.403	1.080	6.206	11.260	0.459	2.180

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:28	93.291%	1.981	0.267	0.260	847.300	841.300	105.104%	104.953%
2	23:12:11	95.981%	1.951	0.268	0.258	840.500	833.700	109.195%	107.340%
3	23:12:54	97.103%	1.941	0.245	0.256	836.600	833.200	109.222%	108.472%
x		95.458%	1.958	0.260	0.258	841.500	836.100	107.840%	106.921%
σ		1.959%	0.021	0.013	0.002	5.415	4.538	2.370%	1.797%
%RSD		2.052	1.073	4.974	0.865	0.643	0.543	2.198	1.680

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:28	1.422	1.452	107.400	106.300	107.200	97.036%
2	23:12:11	1.500	1.493	109.300	107.400	108.200	98.718%
3	23:12:54	1.458	1.481	108.100	107.200	108.200	98.567%
x		1.460	1.475	108.200	107.000	107.800	98.107%
σ		0.039	0.021	0.961	0.591	0.585	0.931%
%RSD		2.654	1.422	0.888	0.552	0.542	0.949

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:40	83.099%	2.678	13.150	12.780	0.000	263.900	12130.000	12130.000
2	23:20:23	84.212%	2.647	13.440	13.040	0.000	266.600	12220.000	12190.000
3	23:21:06	84.594%	2.838	11.720	13.150	0.000	262.500	12180.000	12120.000
x		83.968%	2.721	12.770	12.990	0.000	264.300	12180.000	12150.000
σ		0.777%	0.102	0.917	0.187	0.000	2.080	42.380	40.310
%RSD		0.925	3.766	7.178	1.441	0.000	0.787	0.348	0.332

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:40	101500.000	7682.000	0.000	4642.000	4516.000	4157.000	93.941%	767.800
2	23:20:23	101900.000	7657.000	0.000	4665.000	4572.000	4142.000	94.958%	755.000
3	23:21:06	101600.000	7637.000	0.000	4670.000	4364.000	4130.000	95.977%	746.000
x		101700.000	7659.000	0.000	4659.000	4484.000	4143.000	94.959%	756.300
σ		175.400	22.790	0.000	14.880	107.500	13.410	1.018%	10.920
%RSD		0.172	0.298	0.000	0.319	2.398	0.324	1.072	1.444

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:40	202.300	103.400	2078.000	148300.000	149400.000	24.340	65.080	43.430
2	23:20:23	204.700	104.500	2088.000	148900.000	150200.000	24.440	64.770	43.600
3	23:21:06	202.200	103.200	2084.000	147600.000	148700.000	24.300	64.160	43.000
x		203.100	103.700	2083.000	148300.000	149400.000	24.360	64.670	43.340
σ		1.407	0.680	5.023	656.500	713.200	0.072	0.468	0.311
%RSD		0.693	0.656	0.241	0.443	0.477	0.294	0.724	0.716

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:40	44.330	288.200	288.200	72.250	3.141	2.913	0.000	34.410
2	23:20:23	43.710	291.000	293.700	72.820	3.256	2.283	0.000	34.780
3	23:21:06	43.220	288.500	288.200	71.890	3.021	3.059	0.000	34.700
x		43.750	289.200	290.000	72.320	3.139	2.752	0.000	34.630
σ		0.557	1.530	3.137	0.465	0.117	0.413	0.000	0.198
%RSD		1.274	0.529	1.082	0.643	3.733	14.990	0.000	0.571

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:40	0.000	7.294	7.193	91.717%	0.265	0.229	0.618	0.467
2	23:20:23	0.000	7.431	7.492	93.123%	0.280	0.257	0.474	0.380
3	23:21:06	0.000	7.277	7.447	93.484%	0.275	0.219	0.545	0.414
x		0.000	7.334	7.377	92.774%	0.273	0.235	0.546	0.420
σ		0.000	0.085	0.161	0.934%	0.008	0.020	0.072	0.044
%RSD		0.000	1.154	2.188	1.006	2.774	8.391	13.180	10.410

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:40	92.807%	1.808	0.137	0.161	473.100	474.200	98.089%	97.466%
2	23:20:23	95.445%	1.696	0.154	0.146	473.100	471.600	101.242%	100.579%
3	23:21:06	96.030%	1.824	0.140	0.122	474.200	473.800	101.640%	101.377%
x		94.760%	1.776	0.144	0.143	473.400	473.200	100.324%	99.807%
σ		1.717%	0.070	0.009	0.019	0.643	1.403	1.946%	2.067%
%RSD		1.812	3.923	6.436	13.610	0.136	0.296	1.939	2.071

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:40	1.504	1.527	101.800	99.110	100.100	96.336%
2	23:20:23	1.524	1.508	103.500	101.200	101.900	98.188%
3	23:21:06	1.532	1.516	103.600	100.900	102.300	98.289%
x		1.520	1.517	103.000	100.400	101.500	97.604%
σ		0.014	0.010	1.028	1.123	1.172	1.099%
%RSD		0.950	0.638	0.999	1.118	1.155	1.126

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:54	82.460%	4.938	15.560	16.790	0.000	261.800	15210.000	15180.000
2	23:28:37	83.161%	5.277	17.470	16.810	0.000	267.100	15360.000	15240.000
3	23:29:20	83.321%	4.983	16.700	17.340	0.000	270.400	15380.000	15220.000
x		82.980%	5.066	16.580	16.980	0.000	266.400	15320.000	15210.000
σ		0.458%	0.184	0.962	0.311	0.000	4.336	93.450	33.280
%RSD		0.552	3.630	5.804	1.833	0.000	1.628	0.610	0.219

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:54	121200.000	6906.000	0.000	5984.000	4350.000	4026.000	96.144%	840.000
2	23:28:37	121600.000	6906.000	0.000	6028.000	4434.000	4049.000	96.547%	847.700
3	23:29:20	122000.000	6917.000	0.000	6001.000	4571.000	4048.000	96.814%	853.400
x		121600.000	6910.000	0.000	6004.000	4451.000	4041.000	96.502%	847.000
σ		376.300	6.607	0.000	22.180	111.600	12.840	0.337%	6.702
%RSD		0.310	0.096	0.000	0.369	2.508	0.318	0.349	0.791

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:54	252.700	142.900	1950.000	259100.000	265100.000	30.950	87.510	116.600
2	23:28:37	255.900	144.700	1970.000	261100.000	267800.000	31.780	88.520	117.000
3	23:29:20	256.300	145.000	1980.000	261900.000	268700.000	31.740	87.710	117.200
x		255.000	144.200	1967.000	260700.000	267200.000	31.490	87.910	116.900
σ		1.990	1.123	15.260	1433.000	1871.000	0.470	0.536	0.291
%RSD		0.780	0.779	0.776	0.550	0.700	1.494	0.610	0.249

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:54	116.000	309.400	315.700	182.000	3.973	4.071	0.000	36.720
2	23:28:37	116.200	313.000	316.800	183.500	3.947	3.989	0.000	37.140
3	23:29:20	117.200	316.900	320.300	187.600	4.677	3.759	0.000	37.800
x		116.400	313.100	317.600	184.400	4.199	3.939	0.000	37.220
σ		0.659	3.760	2.398	2.913	0.414	0.162	0.000	0.545
%RSD		0.566	1.201	0.755	1.580	9.855	4.107	0.000	1.464

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:54	0.000	11.310	11.360	91.745%	0.234	0.177	0.860	0.691
2	23:28:37	0.000	11.560	11.480	92.838%	0.216	0.158	0.857	0.682
3	23:29:20	0.000	11.780	11.750	92.011%	0.243	0.152	0.788	0.671
x		0.000	11.550	11.530	92.198%	0.231	0.163	0.835	0.681
σ		0.000	0.238	0.198	0.570%	0.014	0.013	0.040	0.010
%RSD		0.000	2.064	1.718	0.618	6.022	7.997	4.819	1.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:54	93.419%	2.007	0.257	0.263	492.500	490.400	99.986%	99.276%
2	23:28:37	95.046%	2.057	0.272	0.251	496.000	494.400	101.172%	101.246%
3	23:29:20	95.207%	2.047	0.269	0.260	504.400	496.900	101.597%	101.789%
x		94.557%	2.037	0.266	0.258	497.600	493.900	100.919%	100.770%
σ		0.989%	0.026	0.008	0.006	6.131	3.260	0.835%	1.323%
%RSD		1.046	1.299	2.973	2.448	1.232	0.660	0.827	1.313

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:54	1.481	1.455	142.700	140.000	140.900	95.950%
2	23:28:37	1.523	1.505	144.400	141.400	143.000	96.782%
3	23:29:20	1.516	1.482	146.800	144.400	145.600	96.999%
x		1.507	1.481	144.600	141.900	143.200	96.577%
σ		0.022	0.025	2.059	2.264	2.370	0.554%
%RSD		1.485	1.679	1.424	1.595	1.655	0.574

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:07	79.083%	6.628	17.940	18.810	0.000	394.600	27670.000	27540.000
2	23:36:50	79.920%	6.193	17.760	19.560	0.000	396.200	27610.000	27440.000
3	23:37:33	78.889%	6.636	18.980	19.550	0.000	403.400	28020.000	27880.000
x		79.297%	6.486	18.230	19.310	0.000	398.100	27760.000	27620.000
σ		0.548%	0.253	0.661	0.428	0.000	4.713	222.100	228.000
%RSD		0.691	3.905	3.626	2.219	0.000	1.184	0.800	0.825
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:07	139400.000	6671.000	0.000	7072.000	6392.000	5632.000	90.664%	1113.000
2	23:36:50	138500.000	6666.000	0.000	7088.000	6217.000	5613.000	90.594%	1117.000
3	23:37:33	141000.000	6716.000	0.000	7185.000	6368.000	5716.000	89.829%	1131.000
x		139700.000	6684.000	0.000	7115.000	6326.000	5653.000	90.362%	1120.000
σ		1275.000	27.550	0.000	61.180	95.070	54.840	0.463%	9.291
%RSD		0.913	0.412	0.000	0.860	1.503	0.970	0.513	0.829
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:07	257.900	486.600	45470.000	221900.000	225600.000	111.700	484.200	128.900
2	23:36:50	258.500	490.900	45830.000	223100.000	225600.000	111.800	486.200	128.100
3	23:37:33	259.900	495.700	46430.000	223800.000	227000.000	113.500	489.100	130.100
x		258.800	491.100	45910.000	222900.000	226100.000	112.300	486.500	129.000
σ		1.013	4.511	483.100	967.900	799.100	1.037	2.433	1.011
%RSD		0.391	0.919	1.052	0.434	0.353	0.923	0.500	0.784
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:07	128.600	567.300	572.700	197.900	5.129	5.316	0.000	415.500
2	23:36:50	129.300	571.500	579.200	198.100	5.497	4.998	0.000	458.500
3	23:37:33	129.400	580.200	582.800	201.300	5.411	5.260	0.000	465.000
x		129.100	573.000	578.200	199.100	5.346	5.192	0.000	446.400
σ		0.439	6.605	5.134	1.893	0.192	0.170	0.000	26.930
%RSD		0.340	1.153	0.888	0.951	3.599	3.276	0.000	6.033
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:07	0.000	71.330	70.960	88.443%	1.062	0.984	1.630	1.415
2	23:36:50	0.000	73.000	72.180	88.635%	1.059	1.022	1.686	1.406
3	23:37:33	0.000	73.200	73.600	87.398%	1.104	1.017	1.596	1.369
x		0.000	72.510	72.250	88.159%	1.075	1.008	1.637	1.397
σ		0.000	1.024	1.322	0.666%	0.025	0.021	0.045	0.024
%RSD		0.000	1.412	1.829	0.755	2.325	2.056	2.766	1.737
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:07	90.997%	1.762	0.499	0.501	6338.000	6365.000	98.896%	98.439%
2	23:36:50	91.781%	1.741	0.489	0.546	6302.000	6290.000	100.445%	99.904%
3	23:37:33	91.090%	1.791	0.542	0.540	6407.000	6391.000	100.159%	99.918%
x		91.289%	1.764	0.510	0.529	6349.000	6349.000	99.834%	99.420%
σ		0.428%	0.025	0.028	0.025	52.920	52.460	0.824%	0.850%
%RSD		0.469	1.427	5.536	4.647	0.834	0.826	0.826	0.855
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:36:07	5.956	5.903	194.000	188.200	191.100	94.919%		
2	23:36:50	6.069	6.080	196.900	192.500	195.200	95.316%		
3	23:37:33	6.154	6.239	201.700	195.900	198.100	94.274%		
x		6.060	6.074	197.500	192.200	194.800	94.836%		
σ		0.099	0.168	3.904	3.818	3.536	0.526%		
%RSD		1.635	2.763	1.976	1.986	1.815	0.554		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:20	79.195%	5.787	25.400	26.090	0.000	400.500	71540.000	71530.000
2	23:45:03	79.895%	5.861	27.450	27.160	0.000	401.900	71210.000	71230.000
3	23:45:46	80.686%	5.372	26.950	26.060	0.000	400.100	71120.000	70790.000
x		79.925%	5.673	26.600	26.440	0.000	400.800	71290.000	71180.000
σ		0.746%	0.263	1.066	0.624	0.000	0.945	219.100	372.600
%RSD		0.933	4.642	4.006	2.361	0.000	0.236	0.307	0.523

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:20	120800.000	6523.000	0.000	6678.000	13640.000	12290.000	91.109%	947.700
2	23:45:03	119700.000	6416.000	0.000	6702.000	13400.000	12380.000	92.242%	947.000
3	23:45:46	118800.000	6375.000	0.000	6660.000	13710.000	12360.000	92.488%	938.900
x		119700.000	6438.000	0.000	6680.000	13580.000	12340.000	91.946%	944.500
σ		989.100	76.240	0.000	21.040	159.300	47.630	0.736%	4.869
%RSD		0.826	1.184	0.000	0.315	1.173	0.386	0.800	0.515

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:20	211.900	563.800	38420.000	213000.000	215600.000	90.490	1078.000	94.880
2	23:45:03	209.300	563.300	38170.000	212000.000	215100.000	90.200	1073.000	93.920
3	23:45:46	209.300	560.000	38100.000	211600.000	215200.000	89.700	1073.000	94.430
x		210.200	562.400	38230.000	212200.000	215300.000	90.130	1075.000	94.410
σ		1.514	2.059	170.200	732.100	282.000	0.401	3.075	0.481
%RSD		0.720	0.366	0.445	0.345	0.131	0.445	0.286	0.510

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:20	94.340	437.300	440.600	117.000	4.343	3.492	0.000	125.300
2	23:45:03	93.310	441.200	442.800	116.700	4.320	3.887	0.000	126.000
3	23:45:46	93.550	438.900	443.200	117.800	4.229	4.121	0.000	126.900
x		93.730	439.100	442.200	117.100	4.297	3.833	0.000	126.100
σ		0.543	1.950	1.431	0.560	0.060	0.318	0.000	0.798
%RSD		0.579	0.444	0.324	0.478	1.398	8.298	0.000	0.633

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:20	0.000	16.320	16.130	88.760%	0.401	0.337	1.663	1.548
2	23:45:03	0.000	16.680	16.390	89.101%	0.394	0.325	1.705	1.480
3	23:45:46	0.000	16.570	16.550	89.325%	0.384	0.349	1.643	1.581
x		0.000	16.520	16.360	89.062%	0.393	0.337	1.671	1.536
σ		0.000	0.187	0.212	0.284%	0.009	0.012	0.031	0.051
%RSD		0.000	1.129	1.295	0.319	2.189	3.577	1.884	3.339

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:20	90.974%	1.797	0.388	0.380	761.900	753.100	99.043%	98.964%
2	23:45:03	92.912%	1.801	0.383	0.357	757.800	754.800	101.245%	102.039%
3	23:45:46	93.728%	1.725	0.361	0.340	751.200	749.900	102.385%	102.623%
x		92.538%	1.774	0.377	0.359	757.000	752.600	100.891%	101.209%
σ		1.415%	0.043	0.014	0.020	5.405	2.468	1.699%	1.966%
%RSD		1.529	2.415	3.763	5.619	0.714	0.328	1.684	1.942

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:20	1.486	1.478	136.100	132.200	133.900	95.568%
2	23:45:03	1.517	1.496	136.300	132.300	134.600	96.881%
3	23:45:46	1.520	1.501	137.100	133.500	135.000	96.839%
x		1.508	1.492	136.500	132.700	134.500	96.429%
σ		0.019	0.012	0.554	0.680	0.599	0.746%
%RSD		1.280	0.823	0.406	0.512	0.446	0.774

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:34	94.447%	-0.040	-0.489	-0.099	0.000	-8.993	6.487	6.485
2	23:53:17	96.887%	-0.019	-0.034	-0.156	0.000	-9.462	6.503	6.360
3	23:54:00	97.450%	-0.015	-0.506	-0.118	0.000	-11.220	7.466	7.146
x		96.261%	-0.024	-0.343	-0.124	0.000	-9.892	6.819	6.663
σ		1.596%	0.014	0.268	0.029	0.000	1.175	0.561	0.422
%RSD		1.658	55.470	78.030	23.400	0.000	11.870	8.226	6.340

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:34	2.809	101.800	0.000	15.950	20.260	13.740	102.668%	0.396
2	23:53:17	3.632	89.310	0.000	13.860	22.780	12.740	104.627%	0.174
3	23:54:00	5.107	88.350	0.000	12.420	11.360	11.980	105.874%	0.179
x		3.850	93.160	0.000	14.080	18.130	12.820	104.390%	0.249
σ		1.164	7.505	0.000	1.773	6.000	0.886	1.616%	0.127
%RSD		30.250	8.056	0.000	12.600	33.090	6.914	1.548	50.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:34	0.035	0.031	0.933	9.583	8.960	-0.014	0.067	0.101
2	23:53:17	0.005	0.049	1.131	9.382	9.328	-0.011	0.071	0.067
3	23:54:00	0.025	0.043	1.564	11.620	11.320	-0.011	-0.015	0.050
x		0.022	0.041	1.209	10.200	9.871	-0.012	0.041	0.073
σ		0.015	0.009	0.322	1.238	1.272	0.002	0.049	0.026
%RSD		71.450	22.690	26.670	12.140	12.890	14.280	119.300	35.640

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:34	0.007	0.375	0.332	0.059	0.751	-0.148	0.000	0.061
2	23:53:17	0.065	0.338	0.380	0.023	0.569	-0.079	0.000	0.046
3	23:54:00	0.029	0.360	0.415	0.095	0.772	0.322	0.000	0.047
x		0.034	0.358	0.376	0.059	0.697	0.032	0.000	0.051
σ		0.029	0.019	0.042	0.036	0.112	0.254	0.000	0.008
%RSD		86.080	5.297	11.200	61.490	16.050	798.900	0.000	16.450

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:34	102.616%	-0.106	-0.096	104.583%	-0.007	-0.008	0.008	0.010
2	23:53:17	105.051%	-0.080	-0.106	105.995%	-0.007	-0.007	-0.033	-0.020
3	23:54:00	106.646%	-0.095	-0.109	106.907%	-0.004	-0.001	-0.010	-0.006
x		104.771%	-0.094	-0.103	105.828%	-0.006	-0.005	-0.012	-0.006
σ		2.030%	0.013	0.007	1.171%	0.002	0.004	0.021	0.015
%RSD		1.937	13.950	6.768	1.106	33.520	76.130	173.800	268.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:34	101.808%	1.872	-0.004	-0.011	0.128	0.096	102.237%	102.315%
2	23:53:17	104.542%	1.841	-0.003	-0.015	0.132	0.115	104.039%	103.926%
3	23:54:00	105.807%	1.784	-0.005	-0.003	0.162	0.118	104.476%	105.070%
x		104.052%	1.832	-0.004	-0.010	0.141	0.110	103.584%	103.770%
σ		2.044%	0.045	0.001	0.006	0.018	0.012	1.187%	1.384%
%RSD		1.964	2.434	28.070	62.260	13.050	10.620	1.146	1.334

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:34	-0.007	-0.010	0.037	0.035	0.038	105.608%
2	23:53:17	-0.007	-0.008	0.038	0.038	0.035	107.509%
3	23:54:00	-0.006	-0.009	0.041	0.033	0.036	108.708%
x		-0.007	-0.009	0.039	0.035	0.036	107.275%
σ		0.000	0.001	0.002	0.002	0.002	1.563%
%RSD		7.304	10.110	4.850	7.039	4.900	1.457

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:48	80.334%	46.990	919.300	921.800	0.000	47320.000	47650.000	47530.000
2	00:01:31	81.903%	45.670	897.400	904.500	0.000	46100.000	46000.000	45990.000
3	00:02:14	80.278%	46.630	935.000	943.400	0.000	47610.000	47360.000	47400.000
x		80.838%	46.430	917.200	923.300	0.000	47010.000	47000.000	46970.000
σ		0.922%	0.682	18.870	19.500	0.000	801.800	880.600	853.200
%RSD		1.141	1.469	2.057	2.112	0.000	1.706	1.874	1.816
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:48	1994.000	4690.000	0.000	47030.000	46790.000	47520.000	86.299%	927.100
2	00:01:31	1950.000	4550.000	0.000	46000.000	45890.000	46230.000	87.283%	898.200
3	00:02:14	2002.000	4689.000	0.000	46970.000	46860.000	47630.000	86.175%	927.600
x		1982.000	4643.000	0.000	46670.000	46510.000	47130.000	86.586%	917.600
σ		28.250	80.830	0.000	577.300	538.500	774.900	0.607%	16.870
%RSD		1.425	1.741	0.000	1.237	1.158	1.644	0.702	1.839
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:48	472.100	185.700	439.000	1032.000	1003.000	465.300	467.600	239.100
2	00:01:31	459.000	180.100	427.100	1000.000	964.000	451.200	455.100	229.900
3	00:02:14	471.700	184.400	441.300	1031.000	995.100	467.100	470.600	237.800
x		467.600	183.400	435.800	1021.000	987.500	461.200	464.400	235.600
σ		7.441	2.918	7.629	17.840	20.730	8.695	8.240	5.018
%RSD		1.591	1.591	1.751	1.748	2.100	1.885	1.774	2.130
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:48	238.600	452.800	454.700	35.190	9.555	9.443	0.000	1041.000
2	00:01:31	230.800	439.500	441.300	34.670	9.356	8.380	0.000	1023.000
3	00:02:14	238.300	456.300	457.800	35.470	9.424	8.877	0.000	1042.000
x		235.900	449.600	451.300	35.110	9.445	8.900	0.000	1036.000
σ		4.398	8.875	8.805	0.407	0.101	0.532	0.000	10.640
%RSD		1.864	1.974	1.951	1.159	1.070	5.981	0.000	1.027
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:48	82.884%	969.800	969.200	86.066%	45.380	45.560	45.810	36.040
2	00:01:31	84.729%	954.100	944.000	86.944%	44.690	44.600	44.490	36.290
3	00:02:14	83.554%	972.500	966.600	86.139%	45.490	45.780	45.700	36.850
x		83.723%	965.500	959.900	86.383%	45.190	45.310	45.340	36.390
σ		0.934%	9.925	13.880	0.487%	0.434	0.627	0.732	0.416
%RSD		1.116	1.028	1.446	0.564	0.959	1.384	1.614	1.143
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:48	86.234%	2082.000	456.100	453.900	1857.000	1853.000	91.055%	91.409%
2	00:01:31	88.698%	1999.000	439.700	443.000	1819.000	1805.000	93.065%	94.540%
3	00:02:14	86.919%	2068.000	454.200	453.000	1847.000	1841.000	92.712%	94.159%
x		87.284%	2049.000	450.000	450.000	1841.000	1833.000	92.277%	93.369%
σ		1.272%	44.320	8.953	6.048	19.610	24.750	1.073%	1.709%
%RSD		1.457	2.163	1.990	1.344	1.065	1.350	1.163	1.830
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:00:48	45.160	44.930	17.410	18.940	18.200	91.868%		
2	00:01:31	44.520	44.190	17.140	18.660	17.950	94.262%		
3	00:02:14	45.690	45.460	17.450	19.280	18.270	93.624%		
x		45.120	44.860	17.330	18.960	18.140	93.251%		
σ		0.585	0.637	0.171	0.310	0.169	1.240%		
%RSD		1.297	1.421	0.985	1.634	0.932	1.329		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:03	71.925%	6.846	44.280	41.850	0.000	881.200	29440.000	29260.000
2	00:09:46	71.593%	7.051	42.140	42.650	0.000	925.500	30330.000	30140.000
3	00:10:29	74.706%	6.350	39.510	39.700	0.000	882.200	29140.000	28970.000
x		72.741%	6.749	41.980	41.400	0.000	896.300	29640.000	29460.000
σ		1.709%	0.361	2.385	1.527	0.000	25.280	617.700	608.600
%RSD		2.350	5.347	5.682	3.688	0.000	2.821	2.084	2.066

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:03	137500.000	9893.000	0.000	9826.000	39790.000	40840.000	82.846%	1246.000
2	00:09:46	142400.000	10130.000	0.000	10110.000	41050.000	41990.000	84.109%	1275.000
3	00:10:29	137000.000	9724.000	0.000	9865.000	40020.000	41070.000	85.486%	1253.000
x		139000.000	9916.000	0.000	9933.000	40290.000	41300.000	84.147%	1258.000
σ		2971.000	203.500	0.000	153.400	673.300	610.000	1.320%	15.260
%RSD		2.137	2.053	0.000	1.544	1.671	1.477	1.569	1.213

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:03	249.400	301.400	127800.000	211500.000	215500.000	83.640	335.500	135.800
2	00:09:46	255.400	310.200	130600.000	217100.000	220700.000	85.420	346.200	138.200
3	00:10:29	250.000	302.000	127300.000	212200.000	214900.000	83.370	338.600	135.200
x		251.600	304.500	128600.000	213600.000	217000.000	84.140	340.100	136.400
σ		3.291	4.936	1767.000	3053.000	3161.000	1.117	5.490	1.564
%RSD		1.308	1.621	1.374	1.429	1.456	1.327	1.614	1.147

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:03	136.200	1068.000	1077.000	125.900	5.425	5.559	0.000	593.100
2	00:09:46	139.500	1101.000	1116.000	129.500	5.290	5.127	0.000	610.300
3	00:10:29	135.900	1074.000	1087.000	125.300	5.179	5.631	0.000	598.800
x		137.200	1081.000	1093.000	126.900	5.298	5.439	0.000	600.700
σ		1.999	17.270	20.410	2.256	0.123	0.273	0.000	8.740
%RSD		1.458	1.598	1.867	1.777	2.330	5.016	0.000	1.455

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:03	0.000	13.020	13.190	81.161%	2.890	2.651	3.036	3.013
2	00:09:46	0.000	13.670	13.920	81.914%	2.839	2.777	3.205	3.033
3	00:10:29	0.000	13.480	13.640	83.141%	2.853	2.748	3.038	2.910
x		0.000	13.390	13.580	82.072%	2.861	2.725	3.093	2.986
σ		0.000	0.331	0.366	1.000%	0.026	0.066	0.097	0.066
%RSD		0.000	2.473	2.695	1.218	0.916	2.427	3.136	2.206

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:03	83.330%	3.247	0.644	0.651	2758.000	3402.000	91.615%	91.996%
2	00:09:46	85.413%	2.965	0.644	0.648	2969.000	3488.000	93.365%	93.802%
3	00:10:29	86.496%	2.805	0.651	0.675	2862.000	3406.000	95.935%	96.216%
x		85.080%	3.005	0.646	0.658	2863.000	3432.000	93.639%	94.004%
σ		1.610%	0.224	0.004	0.015	105.800	48.320	2.173%	2.117%
%RSD		1.892	7.445	0.613	2.214	3.695	1.408	2.320	2.252

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:03	5.419	5.385	271.300	270.000	270.800	89.667%
2	00:09:46	5.629	5.608	284.200	282.000	282.600	90.133%
3	00:10:29	5.590	5.604	283.800	281.800	282.600	90.683%
x		5.546	5.533	279.800	277.900	278.700	90.161%
σ		0.112	0.128	7.326	6.906	6.838	0.509%
%RSD		2.010	2.307	2.618	2.485	2.454	0.564

CCV 781130 4/11/2013 12:16:33 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:16	80.237%	102.700	107.900	103.600	0.000	51390.000	51440.000	51350.000
2	00:17:59	80.627%	103.000	104.500	107.600	0.000	51790.000	51850.000	51560.000
3	00:18:42	81.491%	103.100	104.000	105.700	0.000	51410.000	51650.000	51150.000
x		80.785%	102.949%	105.460%	105.629%	0.000	103.061%	103.284%	102.711%
σ		0.642%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.794	0.205	2.017	1.889	0.000	0.433	0.397	0.392
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:16	510.800	5556.000	0.000	51080.000	49210.000	50590.000	85.641%	99.000
2	00:17:59	509.800	5569.000	0.000	51230.000	50070.000	51090.000	85.349%	100.700
3	00:18:42	508.500	5512.000	0.000	50930.000	49620.000	50820.000	85.422%	100.200
x		101.939%	110.913%	0.000	102.158%	99.271%	101.666%	85.471%	99.972%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.152%	n/a
%RSD		0.223	0.539	0.000	0.300	0.862	0.501	0.178	0.873
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:16	98.660	99.180	447.000	25700.000	23860.000	100.800	100.400	100.700
2	00:17:59	100.300	100.600	476.600	25890.000	24160.000	101.100	101.300	101.700
3	00:18:42	99.430	99.950	473.700	25740.000	23560.000	100.300	100.800	101.300
x		99.479%	99.922%	93.158%	103.111%	95.437%	100.734%	100.827%	101.196%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.848	0.724	3.503	0.379	1.249	0.377	0.423	0.505
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:16	101.500	99.180	99.240	97.430	99.350	97.890	0.000	98.850
2	00:17:59	101.200	99.820	100.600	100.000	99.600	101.100	0.000	100.000
3	00:18:42	100.900	100.800	99.880	97.900	98.510	97.540	0.000	100.100
x		101.168%	99.930%	99.910%	98.444%	99.154%	98.862%	0.000	99.642%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.301	0.811	0.687	1.386	0.579	2.012	0.000	0.688
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:16	86.417%	97.090	97.070	86.160%	97.360	97.650	98.550	99.190
2	00:17:59	86.650%	100.600	101.400	85.779%	98.460	99.100	98.620	99.890
3	00:18:42	86.724%	101.000	102.100	85.631%	98.770	98.840	98.780	99.370
x		86.597%	99.565%	100.185%	85.856%	98.197%	98.532%	98.649%	99.486%
σ		0.160%	n/a	n/a	0.273%	n/a	n/a	n/a	n/a
%RSD		0.185	2.160	2.724	0.318	0.754	0.784	0.118	0.367
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:16	86.150%	98.540	98.310	98.290	100.400	100.600	88.998%	90.013%
2	00:17:59	87.245%	99.140	99.180	98.540	100.300	100.100	90.908%	91.452%
3	00:18:42	86.991%	100.000	98.900	99.030	100.900	100.300	90.483%	91.797%
x		86.795%	99.227%	98.798%	98.620%	100.533%	100.315%	90.129%	91.087%
σ		0.573%	n/a	n/a	n/a	n/a	n/a	1.003%	0.946%
%RSD		0.660	0.742	0.448	0.384	0.299	0.238	1.113	1.039
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:17:16	96.040	95.590	95.220	95.890	95.440	91.873%		
2	00:17:59	97.830	97.870	98.000	96.620	97.670	92.037%		
3	00:18:42	98.300	97.990	97.820	98.160	98.090	91.395%		
x		97.389%	97.150%	97.014%	96.891%	97.067%	91.768%		
σ		n/a	n/a	n/a	n/a	n/a	0.334%		
%RSD		1.222	1.392	1.605	1.196	1.467	0.364		

CCB3 4/11/2013 12:24:49 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:32	106.082%	-0.014	1.064	1.032	0.000	-8.659	2.545	2.243
2	00:26:15	107.070%	-0.015	0.785	1.009	0.000	-9.931	2.744	2.624
3	00:26:58	109.549%	-0.008	0.677	1.028	0.000	-10.140	3.254	3.578
x		107.567%	-0.013	0.842	1.023	0.000	-9.576	2.848	2.815
σ		1.786%	0.004	0.200	0.012	0.000	0.800	0.366	0.688
%RSD		1.661	29.670	23.720	1.178	0.000	8.360	12.850	24.440

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:32	2.218	-109.800	0.000	-0.377	8.725	-3.249	102.701%	0.035
2	00:26:15	2.424	-121.100	0.000	-0.525	11.480	-10.990	104.494%	0.001
3	00:26:58	2.680	-118.100	0.000	0.305	9.920	-3.317	104.870%	0.072
x		2.441	-116.400	0.000	-0.199	10.040	-5.852	104.022%	0.036
σ		0.231	5.856	0.000	0.443	1.381	4.451	1.159%	0.035
%RSD		9.464	5.033	0.000	222.600	13.750	76.050	1.114	97.660

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:32	0.009	0.006	0.084	0.243	1.523	-0.005	0.070	0.205
2	00:26:15	0.041	0.013	0.145	-0.841	0.936	-0.010	0.056	0.234
3	00:26:58	0.020	0.001	0.349	-0.252	2.421	-0.001	0.095	0.250
x		0.024	0.007	0.193	-0.283	1.627	-0.005	0.074	0.230
σ		0.016	0.006	0.139	0.543	0.748	0.004	0.020	0.023
%RSD		69.880	85.300	72.000	191.700	45.990	76.380	27.040	9.925

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:32	0.219	2.083	2.232	-0.129	-0.117	-0.579	0.000	0.048
2	00:26:15	0.202	2.137	2.128	-0.190	-0.334	-0.984	0.000	0.043
3	00:26:58	0.241	1.962	2.264	-0.109	0.015	-0.603	0.000	0.049
x		0.221	2.061	2.208	-0.143	-0.146	-0.722	0.000	0.047
σ		0.020	0.089	0.071	0.042	0.176	0.227	0.000	0.003
%RSD		9.002	4.327	3.219	29.750	120.900	31.470	0.000	6.575

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:32	97.421%	0.174	0.189	100.264%	-0.004	-0.002	-0.018	0.001
2	00:26:15	99.382%	0.220	0.180	101.234%	-0.004	-0.000	-0.034	-0.016
3	00:26:58	99.909%	0.160	0.161	100.950%	0.002	0.006	0.000	0.007
x		98.904%	0.185	0.177	100.816%	-0.002	0.001	-0.017	-0.003
σ		1.311%	0.032	0.014	0.498%	0.004	0.004	0.017	0.012
%RSD		1.326	17.030	7.962	0.494	212.900	300.300	99.120	461.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:32	90.073%	0.249	0.007	0.010	0.042	0.050	91.378%	92.157%
2	00:26:15	91.803%	0.256	0.004	0.017	0.064	0.058	93.305%	93.065%
3	00:26:58	92.346%	0.268	0.015	0.018	0.064	0.057	93.709%	93.681%
x		91.407%	0.258	0.009	0.015	0.057	0.055	92.797%	92.968%
σ		1.187%	0.009	0.006	0.004	0.013	0.004	1.246%	0.767%
%RSD		1.298	3.641	65.100	29.120	22.330	7.285	1.343	0.825

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:32	0.015	0.012	0.019	0.019	0.019	97.455%
2	00:26:15	0.005	0.011	0.018	0.021	0.021	98.626%
3	00:26:58	0.007	0.003	0.037	0.024	0.029	99.209%
x		0.009	0.009	0.025	0.021	0.023	98.430%
σ		0.005	0.005	0.011	0.003	0.005	0.893%
%RSD		59.170	57.560	43.650	12.090	22.630	0.908

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:49	78.546%	1.418	8.028	7.345	0.000	157.500	5432.000	5479.000
2	00:34:32	80.287%	1.487	8.258	7.277	0.000	160.100	5442.000	5453.000
3	00:35:15	80.230%	1.256	7.039	7.767	0.000	160.200	5457.000	5485.000
x		79.687%	1.387	7.775	7.463	0.000	159.300	5444.000	5472.000
σ		0.989%	0.119	0.648	0.265	0.000	1.530	12.650	17.080
%RSD		1.241	8.558	8.332	3.554	0.000	0.961	0.232	0.312

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:49	28150.000	2363.000	0.000	2109.000	8487.000	7656.000	85.696%	259.500
2	00:34:32	27910.000	2313.000	0.000	2097.000	8342.000	7707.000	86.790%	259.400
3	00:35:15	28050.000	2309.000	0.000	2097.000	8354.000	7715.000	87.067%	258.300
x		28040.000	2329.000	0.000	2101.000	8394.000	7693.000	86.518%	259.100
σ		119.300	29.830	0.000	6.787	80.520	31.760	0.725%	0.666
%RSD		0.425	1.281	0.000	0.323	0.959	0.413	0.838	0.257

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:49	51.400	62.400	26380.000	44020.000	43740.000	16.770	68.710	27.370
2	00:34:32	51.750	62.430	26250.000	43830.000	43720.000	16.800	68.980	27.560
3	00:35:15	51.520	61.830	26310.000	43700.000	43830.000	16.730	68.940	27.490
x		51.560	62.220	26310.000	43850.000	43760.000	16.770	68.880	27.470
σ		0.177	0.335	65.590	159.300	60.480	0.038	0.146	0.100
%RSD		0.344	0.538	0.249	0.363	0.138	0.228	0.212	0.364

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:49	26.950	213.300	214.900	23.640	1.007	-0.532	0.000	96.380
2	00:34:32	27.600	214.000	215.800	23.590	0.944	-0.246	0.000	97.090
3	00:35:15	26.970	215.400	217.800	24.250	0.693	-0.333	0.000	97.640
x		27.170	214.200	216.200	23.830	0.881	-0.370	0.000	97.040
σ		0.367	1.106	1.485	0.369	0.166	0.147	0.000	0.635
%RSD		1.349	0.516	0.687	1.548	18.870	39.590	0.000	0.655

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:49	96.084%	3.026	3.095	87.608%	0.565	0.578	0.576	0.595
2	00:34:32	97.484%	3.275	3.208	87.628%	0.543	0.525	0.535	0.532
3	00:35:15	97.475%	3.234	3.399	88.150%	0.542	0.547	0.686	0.606
x		97.015%	3.178	3.234	87.795%	0.550	0.550	0.599	0.578
σ		0.806%	0.133	0.153	0.307%	0.013	0.027	0.078	0.040
%RSD		0.830	4.191	4.742	0.350	2.314	4.828	13.050	6.934

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:49	86.958%	0.469	0.135	0.121	643.000	642.300	90.458%	90.907%
2	00:34:32	89.814%	0.521	0.132	0.119	634.500	633.800	92.707%	93.888%
3	00:35:15	89.921%	0.525	0.116	0.116	635.500	634.400	94.094%	94.085%
x		88.897%	0.505	0.128	0.119	637.700	636.800	92.420%	92.960%
σ		1.681%	0.031	0.010	0.003	4.674	4.737	1.835%	1.781%
%RSD		1.891	6.177	7.723	2.243	0.733	0.744	1.985	1.916

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:49	1.123	1.086	55.260	54.980	55.060	92.837%
2	00:34:32	1.111	1.128	56.830	56.100	56.420	92.710%
3	00:35:15	1.158	1.115	57.310	56.810	56.920	91.972%
x		1.131	1.110	56.470	55.960	56.140	92.506%
σ		0.024	0.022	1.071	0.921	0.962	0.467%
%RSD		2.138	1.947	1.897	1.645	1.713	0.505

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:04	67.638%	54.120	966.300	947.900	0.000	49190.000	80330.000	80380.000
2	00:42:47	69.141%	55.600	955.600	961.400	0.000	49230.000	81030.000	81030.000
3	00:43:30	70.056%	54.190	971.500	962.900	0.000	49410.000	81100.000	80400.000
x		68.945%	54.640	964.500	957.400	0.000	49280.000	80820.000	80600.000
σ		1.221%	0.833	8.088	8.230	0.000	121.200	427.500	371.900
%RSD		1.771	1.525	0.839	0.860	0.000	0.246	0.529	0.461

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:04	197400.000	16520.000	0.000	63610.000	89720.000	91680.000	82.875%	2599.000
2	00:42:47	197500.000	16510.000	0.000	63770.000	90630.000	91780.000	84.962%	2624.000
3	00:43:30	197100.000	16380.000	0.000	63570.000	90930.000	91800.000	85.258%	2614.000
x		197300.000	16470.000	0.000	63650.000	90430.000	91750.000	84.365%	2612.000
σ		204.200	79.180	0.000	103.900	626.500	64.810	1.299%	12.390
%RSD		0.103	0.481	0.000	0.163	0.693	0.071	1.539	0.474

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:04	754.500	523.300	175300.000	210900.000	213800.000	514.100	769.800	367.400
2	00:42:47	764.100	525.300	175200.000	211000.000	214100.000	514.200	768.500	364.900
3	00:43:30	763.700	527.100	175900.000	212100.000	215900.000	519.900	773.600	370.100
x		760.800	525.200	175500.000	211300.000	214600.000	516.000	770.600	367.400
σ		5.426	1.939	383.700	644.500	1107.000	3.307	2.639	2.629
%RSD		0.713	0.369	0.219	0.305	0.516	0.641	0.343	0.715

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:04	367.500	1632.000	1636.000	179.100	13.100	12.610	0.000	1960.000
2	00:42:47	367.800	1641.000	1656.000	179.200	13.470	13.370	0.000	1965.000
3	00:43:30	370.500	1651.000	1670.000	180.600	13.590	13.330	0.000	1961.000
x		368.600	1641.000	1654.000	179.600	13.390	13.100	0.000	1962.000
σ		1.653	9.472	16.900	0.861	0.253	0.426	0.000	2.517
%RSD		0.448	0.577	1.022	0.479	1.886	3.253	0.000	0.128

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:04	0.000	885.000	887.400	78.388%	47.340	46.990	48.340	46.490
2	00:42:47	0.000	894.400	896.700	80.110%	47.440	47.440	49.040	46.670
3	00:43:30	0.000	903.300	907.400	80.251%	47.850	47.180	48.660	46.510
x		0.000	894.200	897.100	79.583%	47.540	47.200	48.680	46.560
σ		0.000	9.143	10.030	1.037%	0.272	0.225	0.350	0.099
%RSD		0.000	1.022	1.118	1.303	0.571	0.477	0.719	0.213

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:04	81.889%	657.600	128.700	128.100	6655.000	6655.000	90.524%	91.531%
2	00:42:47	83.816%	666.100	128.700	128.500	6650.000	6632.000	93.524%	94.591%
3	00:43:30	84.619%	664.100	128.500	129.000	6595.000	6611.000	94.415%	94.887%
x		83.441%	662.600	128.600	128.600	6633.000	6633.000	92.821%	93.670%
σ		1.403%	4.444	0.145	0.473	33.180	21.970	2.039%	1.858%
%RSD		1.682	0.671	0.113	0.368	0.500	0.331	2.196	1.983

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:04	48.640	48.670	266.700	266.600	265.900	88.147%
2	00:42:47	48.980	49.170	270.100	270.800	270.300	89.891%
3	00:43:30	50.260	50.210	276.100	276.900	275.200	88.747%
x		49.290	49.350	271.000	271.400	270.500	88.928%
σ		0.856	0.787	4.783	5.199	4.663	0.886%
%RSD		1.737	1.595	1.765	1.915	1.724	0.997

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:20	66.259%	56.520	965.100	963.300	0.000	49480.000	82040.000	81660.000
2	00:51:03	68.602%	54.530	964.100	964.200	0.000	48840.000	81330.000	80820.000
3	00:51:46	69.092%	54.900	961.000	966.700	0.000	49050.000	81490.000	81210.000
x		67.984%	55.320	963.400	964.700	0.000	49120.000	81620.000	81230.000
σ		1.514%	1.058	2.147	1.759	0.000	327.400	370.600	420.200
%RSD		2.227	1.912	0.223	0.182	0.000	0.666	0.454	0.517

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:20	203700.000	16440.000	0.000	61250.000	91720.000	93410.000	81.757%	2590.000
2	00:51:03	201100.000	16290.000	0.000	61210.000	91940.000	92800.000	84.437%	2588.000
3	00:51:46	201900.000	16260.000	0.000	62160.000	92580.000	93150.000	84.188%	2607.000
x		202200.000	16330.000	0.000	61540.000	92080.000	93120.000	83.461%	2595.000
σ		1315.000	98.750	0.000	538.700	451.100	308.300	1.481%	10.560
%RSD		0.650	0.605	0.000	0.875	0.490	0.331	1.774	0.407

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:20	767.700	524.500	170300.000	222900.000	226000.000	527.200	785.300	356.300
2	00:51:03	764.800	521.000	170000.000	222200.000	224500.000	526.200	787.700	356.400
3	00:51:46	772.500	528.100	170700.000	223600.000	228400.000	529.700	788.200	356.300
x		768.400	524.500	170300.000	222900.000	226300.000	527.700	787.100	356.300
σ		3.869	3.534	344.700	669.700	1931.000	1.796	1.547	0.051
%RSD		0.503	0.674	0.202	0.300	0.853	0.340	0.197	0.014

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:20	357.800	1636.000	1655.000	174.300	13.550	14.530	0.000	1716.000
2	00:51:03	358.900	1642.000	1652.000	174.700	13.420	13.780	0.000	1732.000
3	00:51:46	360.000	1660.000	1680.000	176.000	13.690	13.610	0.000	1735.000
x		358.900	1646.000	1662.000	175.000	13.550	13.980	0.000	1728.000
σ		1.124	12.520	15.150	0.884	0.135	0.488	0.000	10.250
%RSD		0.313	0.760	0.912	0.505	0.999	3.493	0.000	0.594

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:20	0.000	880.900	885.700	77.496%	47.330	47.250	49.020	47.340
2	00:51:03	0.000	900.200	903.700	78.807%	47.640	47.200	49.430	47.190
3	00:51:46	0.000	901.600	910.100	79.370%	47.790	47.530	49.800	47.320
x		0.000	894.200	899.800	78.558%	47.590	47.330	49.410	47.280
σ		0.000	11.530	12.640	0.962%	0.236	0.177	0.390	0.083
%RSD		0.000	1.290	1.405	1.224	0.496	0.375	0.790	0.175

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:20	80.429%	630.000	120.300	120.500	10020.000	10070.000	90.671%	91.017%
2	00:51:03	83.322%	633.400	121.500	120.200	10010.000	10010.000	93.639%	93.950%
3	00:51:46	83.908%	633.500	121.000	121.100	10050.000	10040.000	94.184%	94.487%
x		82.553%	632.300	120.900	120.600	10030.000	10040.000	92.831%	93.151%
σ		1.863%	1.998	0.587	0.454	17.830	30.850	1.890%	1.868%
%RSD		2.256	0.316	0.485	0.376	0.178	0.307	2.036	2.005

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:20	49.060	49.200	232.800	232.600	232.900	86.673%
2	00:51:03	49.660	50.070	236.600	236.900	236.900	88.367%
3	00:51:46	50.260	50.740	240.900	240.400	240.500	88.123%
x		49.660	50.000	236.800	236.600	236.800	87.721%
σ		0.599	0.775	4.025	3.892	3.768	0.916%
%RSD		1.205	1.550	1.700	1.645	1.591	1.044

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:34	67.095%	57.870	1080.000	1079.000	0.000	53640.000	81580.000	81250.000
2	00:59:17	68.121%	59.010	1086.000	1085.000	0.000	54120.000	81350.000	81000.000
3	01:00:00	68.453%	58.620	1083.000	1086.000	0.000	53470.000	81240.000	80600.000
x		67.890%	58.500	1083.000	1083.000	0.000	53740.000	81390.000	80950.000
σ		0.708%	0.580	3.013	4.012	0.000	337.700	173.900	328.600
%RSD		1.043	0.992	0.278	0.370	0.000	0.628	0.214	0.406

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:34	138100.000	19850.000	0.000	58940.000	87620.000	89180.000	80.421%	2168.000
2	00:59:17	138900.000	19810.000	0.000	59830.000	88230.000	88790.000	81.741%	2167.000
3	01:00:00	137000.000	19610.000	0.000	59240.000	87380.000	89070.000	82.530%	2166.000
x		138000.000	19760.000	0.000	59340.000	87740.000	89010.000	81.564%	2167.000
σ		983.600	129.800	0.000	455.000	440.900	197.900	1.065%	0.938
%RSD		0.713	0.657	0.000	0.767	0.502	0.222	1.306	0.043

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:34	732.200	486.900	124700.000	206800.000	209800.000	571.000	814.000	373.700
2	00:59:17	737.100	486.500	124900.000	206300.000	209300.000	566.500	806.700	373.200
3	01:00:00	732.200	486.600	124600.000	205600.000	208400.000	564.300	806.100	371.700
x		733.800	486.700	124700.000	206200.000	209200.000	567.300	808.900	372.900
σ		2.811	0.221	179.700	627.200	715.300	3.387	4.393	0.997
%RSD		0.383	0.045	0.144	0.304	0.342	0.597	0.543	0.267

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:34	375.800	1520.000	1539.000	160.900	14.720	15.590	0.000	1716.000
2	00:59:17	374.200	1527.000	1539.000	160.200	14.480	14.880	0.000	1722.000
3	01:00:00	370.600	1520.000	1539.000	159.100	15.290	15.170	0.000	1710.000
x		373.500	1522.000	1539.000	160.100	14.830	15.220	0.000	1716.000
σ		2.648	3.980	0.077	0.947	0.415	0.360	0.000	5.705
%RSD		0.709	0.261	0.005	0.592	2.799	2.363	0.000	0.332

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:34	0.000	1044.000	1050.000	77.150%	53.000	53.360	53.450	42.460
2	00:59:17	0.000	1053.000	1060.000	79.067%	53.240	53.190	53.780	42.610
3	01:00:00	0.000	1052.000	1053.000	79.610%	52.920	53.020	53.060	43.010
x		0.000	1050.000	1054.000	78.609%	53.050	53.190	53.430	42.690
σ		0.000	4.978	5.197	1.292%	0.162	0.171	0.362	0.281
%RSD		0.000	0.474	0.493	1.644	0.306	0.322	0.677	0.658

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:34	79.320%	2227.000	482.500	478.700	5564.000	5540.000	89.457%	89.700%
2	00:59:17	81.125%	2228.000	491.200	488.500	5546.000	5529.000	92.620%	92.317%
3	01:00:00	82.067%	2231.000	494.500	492.800	5553.000	5536.000	92.623%	93.358%
x		80.837%	2229.000	489.400	486.700	5554.000	5535.000	91.566%	91.792%
σ		1.396%	1.981	6.188	7.224	9.095	5.487	1.827%	1.884%
%RSD		1.727	0.089	1.264	1.484	0.164	0.099	1.995	2.053

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:34	55.500	55.540	288.100	286.400	287.200	85.847%
2	00:59:17	55.780	55.930	291.500	291.400	290.600	87.652%
3	01:00:00	55.800	56.090	292.800	292.700	292.200	88.167%
x		55.690	55.860	290.800	290.200	290.000	87.222%
σ		0.171	0.287	2.395	3.308	2.531	1.218%
%RSD		0.307	0.514	0.824	1.140	0.873	1.397

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:47	66.699%	5.841	43.270	43.150	0.000	584.500	18750.000	18560.000
2	01:07:30	67.422%	6.059	41.370	41.550	0.000	586.000	18580.000	18480.000
3	01:08:13	67.267%	5.384	41.170	42.940	0.000	590.600	18600.000	18560.000
x		67.129%	5.761	41.940	42.550	0.000	587.000	18640.000	18530.000
σ		0.381%	0.344	1.160	0.870	0.000	3.174	92.810	47.860
%RSD		0.567	5.977	2.766	2.044	0.000	0.541	0.498	0.258

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:47	120000.000	6237.000	0.000	8782.000	13490.000	12140.000	75.764%	890.700
2	01:07:30	119900.000	6171.000	0.000	8728.000	13350.000	12200.000	76.613%	878.900
3	01:08:13	120000.000	6135.000	0.000	8779.000	13300.000	12300.000	76.359%	883.400
x		120000.000	6181.000	0.000	8763.000	13380.000	12210.000	76.246%	884.300
σ		31.480	51.910	0.000	29.860	96.840	85.810	0.435%	5.944
%RSD		0.026	0.840	0.000	0.341	0.724	0.703	0.571	0.672

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:47	280.300	139.500	228500.000	225200.000	228300.000	102.100	310.600	166.600
2	01:07:30	277.900	138.700	227800.000	224500.000	226900.000	101.800	307.000	165.500
3	01:08:13	280.000	139.500	229000.000	224800.000	227400.000	102.800	309.300	166.500
x		279.400	139.200	228400.000	224800.000	227500.000	102.200	309.000	166.200
σ		1.309	0.492	605.100	369.800	734.900	0.469	1.790	0.606
%RSD		0.469	0.354	0.265	0.165	0.323	0.459	0.579	0.364

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:47	167.300	1509.000	1518.000	146.000	4.484	4.927	0.000	351.800
2	01:07:30	167.600	1522.000	1536.000	147.200	4.703	4.709	0.000	355.300
3	01:08:13	169.000	1519.000	1539.000	146.900	4.418	5.036	0.000	357.400
x		168.000	1517.000	1531.000	146.700	4.535	4.891	0.000	354.800
σ		0.918	7.068	11.280	0.615	0.149	0.167	0.000	2.846
%RSD		0.546	0.466	0.737	0.419	3.293	3.410	0.000	0.802

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:47	0.000	20.350	19.660	76.524%	3.567	3.579	3.445	3.318
2	01:07:30	0.000	20.010	19.550	77.255%	3.638	3.561	3.367	3.255
3	01:08:13	0.000	19.630	19.350	77.609%	3.608	3.532	3.292	3.173
x		0.000	19.990	19.520	77.129%	3.604	3.557	3.368	3.249
σ		0.000	0.361	0.154	0.553%	0.036	0.024	0.076	0.073
%RSD		0.000	1.803	0.789	0.717	0.996	0.676	2.267	2.236

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:47	78.435%	4.218	2.679	2.602	10850.000	10910.000	87.318%	87.537%
2	01:07:30	80.406%	3.674	2.250	2.279	10790.000	10820.000	90.047%	90.546%
3	01:08:13	81.644%	3.052	1.782	1.801	10700.000	10760.000	90.565%	91.387%
x		80.162%	3.648	2.237	2.227	10780.000	10830.000	89.310%	89.823%
σ		1.618%	0.583	0.449	0.403	76.730	76.340	1.745%	2.024%
%RSD		2.018	15.990	20.070	18.090	0.712	0.705	1.953	2.253

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:47	3.125	3.098	447.800	459.600	476.800	85.474%
2	01:07:30	3.132	3.148	452.000	462.900	479.600	87.134%
3	01:08:13	3.168	3.144	453.100	465.300	480.800	87.567%
x		3.142	3.130	451.000	462.600	479.000	86.725%
σ		0.023	0.028	2.790	2.849	2.048	1.105%
%RSD		0.734	0.883	0.619	0.616	0.428	1.274

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:00	63.134%	8.655	53.990	55.610	0.000	1373.000	51540.000	51400.000
2	01:15:43	64.085%	9.288	56.440	55.540	0.000	1366.000	50900.000	50750.000
3	01:16:26	63.944%	8.984	53.300	56.960	0.000	1363.000	50550.000	50250.000
x		63.721%	8.976	54.580	56.040	0.000	1367.000	51000.000	50800.000
σ		0.513%	0.317	1.649	0.801	0.000	4.779	502.600	579.700
%RSD		0.806	3.529	3.021	1.429	0.000	0.349	0.986	1.141

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:00	121500.000	6698.000	0.000	14530.000	61480.000	63600.000	73.731%	1205.000
2	01:15:43	119800.000	6568.000	0.000	14370.000	61780.000	63320.000	74.691%	1196.000
3	01:16:26	118300.000	6479.000	0.000	14360.000	61380.000	62710.000	74.008%	1188.000
x		119900.000	6582.000	0.000	14420.000	61550.000	63210.000	74.143%	1196.000
σ		1586.000	110.000	0.000	96.890	208.400	456.600	0.494%	8.799
%RSD		1.323	1.671	0.000	0.672	0.339	0.722	0.667	0.736

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:00	273.000	389.000	440100.000	207700.000	211200.000	117.300	482.000	221.100
2	01:15:43	269.700	387.400	433700.000	205500.000	208500.000	116.500	476.300	218.400
3	01:16:26	267.700	383.400	431300.000	204000.000	207600.000	115.900	477.000	217.100
x		270.100	386.600	435000.000	205700.000	209100.000	116.600	478.400	218.900
σ		2.647	2.863	4535.000	1877.000	1893.000	0.733	3.077	2.038
%RSD		0.980	0.741	1.042	0.912	0.905	0.629	0.643	0.931

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:00	223.200	7553.000	7680.000	499.500	5.196	5.900	0.000	1111.000
2	01:15:43	221.800	7457.000	7635.000	498.100	4.883	5.630	0.000	1100.000
3	01:16:26	221.700	7445.000	7599.000	495.700	4.995	6.179	0.000	1101.000
x		222.300	7485.000	7638.000	497.700	5.025	5.903	0.000	1104.000
σ		0.853	59.180	40.870	1.912	0.159	0.275	0.000	6.182
%RSD		0.384	0.791	0.535	0.384	3.159	4.655	0.000	0.560

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:00	0.000	25.380	24.750	73.927%	48.900	48.300	14.060	13.890
2	01:15:43	0.000	25.930	25.180	74.537%	48.930	48.220	14.030	13.590
3	01:16:26	0.000	25.820	25.030	74.423%	48.050	48.480	13.610	13.450
x		0.000	25.710	24.990	74.296%	48.630	48.330	13.900	13.640
σ		0.000	0.293	0.214	0.324%	0.499	0.135	0.250	0.227
%RSD		0.000	1.139	0.857	0.436	1.025	0.280	1.795	1.664

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:00	76.319%	2.985	2.220	2.171	12320.000	12440.000	86.144%	86.644%
2	01:15:43	77.472%	3.049	2.107	2.195	12250.000	12240.000	87.781%	88.916%
3	01:16:26	76.746%	2.927	2.114	2.110	12260.000	12280.000	87.690%	88.838%
x		76.846%	2.987	2.147	2.159	12280.000	12320.000	87.205%	88.133%
σ		0.583%	0.061	0.063	0.044	38.290	103.500	0.920%	1.290%
%RSD		0.758	2.040	2.954	2.047	0.312	0.840	1.055	1.464

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:00	12.000	11.850	2200.000	2253.000	2229.000	85.184%
2	01:15:43	12.150	12.020	2208.000	2264.000	2237.000	85.391%
3	01:16:26	12.140	12.130	2206.000	2262.000	2238.000	84.768%
x		12.100	12.000	2205.000	2260.000	2235.000	85.115%
σ		0.081	0.142	4.542	5.981	4.741	0.317%
%RSD		0.672	1.188	0.206	0.265	0.212	0.373

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:13	62.570%	9.396	67.500	68.060	0.000	1200.000	45130.000	44770.000
2	01:23:56	64.148%	9.039	66.910	68.220	0.000	1201.000	44560.000	44390.000
3	01:24:38	65.368%	8.804	65.070	66.110	0.000	1178.000	43930.000	43680.000
x		64.029%	9.080	66.500	67.460	0.000	1193.000	44540.000	44280.000
σ		1.403%	0.298	1.271	1.171	0.000	13.190	601.000	553.400
%RSD		2.191	3.284	1.911	1.736	0.000	1.105	1.349	1.250
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:13	145900.000	8368.000	0.000	8476.000	148900.000	151800.000	74.216%	1360.000
2	01:23:56	144200.000	8204.000	0.000	8414.000	148000.000	150700.000	75.204%	1356.000
3	01:24:38	141800.000	8080.000	0.000	8419.000	147500.000	150000.000	75.143%	1348.000
x		144000.000	8217.000	0.000	8437.000	148100.000	150800.000	74.854%	1355.000
σ		2019.000	144.200	0.000	34.550	681.100	893.100	0.553%	6.010
%RSD		1.403	1.755	0.000	0.410	0.460	0.592	0.739	0.444
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:13	223.200	764.000	36730.000	207400.000	209500.000	103.500	543.800	134.200
2	01:23:56	227.100	768.300	36500.000	205800.000	208400.000	102.600	542.200	132.600
3	01:24:38	222.600	757.700	36420.000	205500.000	206900.000	101.700	533.900	131.700
x		224.300	763.300	36550.000	206200.000	208300.000	102.600	540.000	132.800
σ		2.446	5.360	161.700	1008.000	1314.000	0.909	5.302	1.244
%RSD		1.090	0.702	0.442	0.489	0.631	0.886	0.982	0.937
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:13	134.000	514.900	520.300	150.500	5.422	5.253	0.000	2323.000
2	01:23:56	132.000	512.400	520.700	150.900	5.180	5.315	0.000	2315.000
3	01:24:38	132.900	512.100	522.100	148.400	5.571	5.732	0.000	2317.000
x		133.000	513.100	521.000	149.900	5.391	5.433	0.000	2318.000
σ		0.977	1.525	0.970	1.327	0.197	0.260	0.000	3.880
%RSD		0.735	0.297	0.186	0.885	3.662	4.791	0.000	0.167
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:13	0.000	28.860	29.450	73.250%	0.487	0.433	2.266	2.140
2	01:23:56	0.000	29.230	29.120	74.725%	0.467	0.410	2.343	1.955
3	01:24:38	0.000	29.150	29.360	74.654%	0.498	0.417	2.251	2.065
x		0.000	29.080	29.310	74.210%	0.484	0.420	2.286	2.054
σ		0.000	0.191	0.173	0.832%	0.016	0.012	0.049	0.093
%RSD		0.000	0.656	0.589	1.121	3.237	2.795	2.156	4.530
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:23:13	75.941%	2.721	0.681	0.660	1797.000	1786.000	85.776%	86.925%
2	01:23:56	77.170%	2.754	0.677	0.666	1791.000	1788.000	88.135%	88.970%
3	01:24:38	77.904%	2.714	0.670	0.674	1782.000	1772.000	89.279%	89.437%
x		77.005%	2.730	0.676	0.667	1790.000	1782.000	87.730%	88.444%
σ		0.992%	0.021	0.006	0.007	7.512	8.813	1.786%	1.336%
%RSD		1.288	0.782	0.830	1.053	0.420	0.495	2.036	1.511
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:23:13	1.720	1.709	419.400	423.200	448.000	85.789%		
2	01:23:56	1.709	1.733	421.800	428.400	451.400	87.111%		
3	01:24:38	1.708	1.719	415.700	423.200	444.900	87.576%		
x		1.712	1.720	419.000	424.900	448.100	86.825%		
σ		0.007	0.012	3.036	3.000	3.251	0.927%		
%RSD		0.402	0.704	0.725	0.706	0.726	1.068		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:26	65.207%	5.250	35.020	35.450	0.000	994.200	32440.000	32280.000
2	01:32:09	66.177%	5.264	36.500	36.600	0.000	999.700	32420.000	32370.000
3	01:32:52	67.990%	5.353	36.430	35.400	0.000	982.500	31960.000	32000.000
x		66.458%	5.289	35.980	35.820	0.000	992.100	32280.000	32220.000
σ		1.413%	0.056	0.837	0.681	0.000	8.790	269.800	194.000
%RSD		2.126	1.058	2.326	1.902	0.000	0.886	0.836	0.602

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:26	132000.000	6676.000	0.000	8177.000	15950.000	14820.000	75.890%	918.000
2	01:32:09	132200.000	6616.000	0.000	8085.000	16080.000	14760.000	77.762%	914.900
3	01:32:52	131200.000	6579.000	0.000	8137.000	16130.000	14900.000	78.010%	916.300
x		131800.000	6624.000	0.000	8133.000	16050.000	14830.000	77.221%	916.400
σ		539.100	48.900	0.000	45.840	93.190	71.300	1.159%	1.545
%RSD		0.409	0.738	0.000	0.564	0.581	0.481	1.501	0.169

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:26	264.500	999.800	32440.000	241700.000	244800.000	103.200	804.100	116.800
2	01:32:09	266.500	1004.000	32470.000	241900.000	244100.000	102.900	804.400	117.000
3	01:32:52	266.000	1004.000	32570.000	241700.000	244600.000	103.100	799.700	116.600
x		265.700	1003.000	32490.000	241800.000	244500.000	103.000	802.700	116.800
σ		1.021	2.499	69.800	141.600	365.100	0.154	2.642	0.194
%RSD		0.384	0.249	0.215	0.059	0.149	0.149	0.329	0.166

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:26	116.200	437.700	445.900	100.500	3.506	3.922	0.000	198.900
2	01:32:09	116.800	441.900	449.400	100.800	3.684	3.876	0.000	201.800
3	01:32:52	116.100	440.600	446.700	101.900	3.373	3.696	0.000	202.000
x		116.400	440.000	447.300	101.100	3.521	3.831	0.000	200.900
σ		0.364	2.154	1.844	0.747	0.156	0.120	0.000	1.744
%RSD		0.313	0.490	0.412	0.739	4.425	3.119	0.000	0.868

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:26	0.000	11.050	11.100	76.740%	0.395	0.341	1.480	1.289
2	01:32:09	0.000	11.670	11.240	77.929%	0.415	0.319	1.355	1.265
3	01:32:52	0.000	11.220	11.310	78.283%	0.379	0.336	1.447	1.280
x		0.000	11.310	11.220	77.650%	0.396	0.332	1.427	1.278
σ		0.000	0.321	0.108	0.808%	0.018	0.011	0.065	0.012
%RSD		0.000	2.837	0.958	1.040	4.498	3.438	4.560	0.951

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:26	78.684%	1.981	0.363	0.371	1571.000	1569.000	87.083%	87.275%
2	01:32:09	80.826%	2.026	0.382	0.408	1584.000	1580.000	90.049%	90.568%
3	01:32:52	81.235%	2.095	0.379	0.384	1576.000	1564.000	90.829%	91.267%
x		80.248%	2.034	0.374	0.388	1577.000	1571.000	89.320%	89.703%
σ		1.370%	0.057	0.010	0.019	6.705	8.079	1.976%	2.132%
%RSD		1.707	2.820	2.738	4.862	0.425	0.514	2.213	2.376

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:31:26	1.775	1.798	151.200	148.000	148.900	88.244%
2	01:32:09	1.794	1.809	153.300	150.200	151.200	90.555%
3	01:32:52	1.817	1.786	153.500	150.300	152.100	90.755%
x		1.795	1.797	152.700	149.500	150.700	89.851%
σ		0.021	0.011	1.249	1.328	1.673	1.396%
%RSD		1.182	0.632	0.818	0.889	1.110	1.553

240-22141-B-6-C 4/11/2013 1:38:57 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:40	61.553%	9.595	62.650	62.470	0.000	1822.000	29500.000	29340.000
2	01:40:23	61.843%	9.848	64.540	63.520	0.000	1813.000	29260.000	29160.000
3	01:41:06	61.811%	9.795	62.470	65.250	0.000	1807.000	29210.000	29050.000
x		61.736%	9.746	63.220	63.740	0.000	1814.000	29320.000	29190.000
σ		0.159%	0.134	1.146	1.402	0.000	7.416	154.500	144.800
%RSD		0.257	1.369	1.813	2.199	0.000	0.409	0.527	0.496
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:40	137900.000	8136.000	0.000	19530.000	31070.000	28350.000	70.532%	1217.000
2	01:40:23	137400.000	8000.000	0.000	19430.000	30890.000	28390.000	71.027%	1207.000
3	01:41:06	136400.000	7905.000	0.000	19480.000	31030.000	28320.000	70.593%	1213.000
x		137200.000	8014.000	0.000	19480.000	31000.000	28350.000	70.717%	1212.000
σ		747.300	116.200	0.000	50.010	95.970	36.870	0.270%	4.964
%RSD		0.544	1.451	0.000	0.257	0.310	0.130	0.382	0.410
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:40	283.400	327.700	464600.000	235200.000	239300.000	224.000	592.000	252.400
2	01:40:23	283.000	326.200	460300.000	232900.000	236500.000	223.000	592.000	253.400
3	01:41:06	283.200	324.900	461800.000	233700.000	235900.000	222.000	593.300	250.800
x		283.200	326.200	462200.000	233900.000	237300.000	223.000	592.400	252.200
σ		0.210	1.390	2167.000	1172.000	1806.000	1.006	0.780	1.329
%RSD		0.074	0.426	0.469	0.501	0.761	0.451	0.132	0.527
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:40	254.800	751.200	758.300	206.800	4.013	5.082	0.000	1553.000
2	01:40:23	254.000	751.500	756.800	208.600	4.340	4.794	0.000	1548.000
3	01:41:06	253.900	755.200	761.000	206.300	4.207	4.365	0.000	1551.000
x		254.200	752.600	758.700	207.300	4.187	4.747	0.000	1551.000
σ		0.469	2.204	2.124	1.204	0.164	0.361	0.000	2.459
%RSD		0.185	0.293	0.280	0.581	3.925	7.601	0.000	0.159
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:40	0.000	24.270	24.220	71.526%	0.466	0.432	2.804	2.772
2	01:40:23	0.000	24.300	24.450	72.455%	0.441	0.426	2.998	2.888
3	01:41:06	0.000	25.080	24.340	71.887%	0.452	0.403	3.099	2.915
x		0.000	24.550	24.340	71.956%	0.453	0.420	2.967	2.858
σ		0.000	0.458	0.116	0.469%	0.013	0.016	0.150	0.076
%RSD		0.000	1.866	0.477	0.651	2.853	3.696	5.051	2.643
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:40	74.713%	2.490	0.998	0.958	14860.000	14840.000	90.825%	87.187%
2	01:40:23	75.640%	2.526	0.935	0.928	14850.000	14850.000	93.132%	89.084%
3	01:41:06	75.377%	2.524	0.961	0.896	14810.000	14850.000	93.356%	89.546%
x		75.243%	2.513	0.965	0.928	14840.000	14850.000	92.438%	88.606%
σ		0.478%	0.020	0.031	0.031	23.300	4.128	1.401%	1.250%
%RSD		0.635	0.796	3.240	3.333	0.157	0.028	1.516	1.411
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:39:40	6.309	6.183	201.700	201.300	200.900	83.571%		
2	01:40:23	6.205	6.289	204.300	203.500	203.700	85.171%		
3	01:41:06	6.364	6.350	205.200	203.400	204.500	84.846%		
x		6.293	6.274	203.700	202.700	203.000	84.529%		
σ		0.081	0.084	1.795	1.252	1.912	0.846%		
%RSD		1.286	1.346	0.881	0.618	0.942	1.000		

240-22141-B-7-C 4/11/2013 1:47:11 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:54	59.495%	6.333	140.800	139.400	0.000	5325.000	36190.000	36100.000
2	01:48:38	60.413%	5.843	143.500	140.800	0.000	5296.000	35990.000	35760.000
3	01:49:21	59.219%	6.068	149.100	143.500	0.000	5336.000	36120.000	35980.000
x		59.709%	6.081	144.400	141.200	0.000	5319.000	36100.000	35950.000
σ		0.625%	0.245	4.240	2.077	0.000	20.340	100.200	176.500
%RSD		1.047	4.032	2.935	1.471	0.000	0.382	0.278	0.491
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:54	99990.000	8399.000	0.000	14370.000	70370.000	68580.000	68.208%	1132.000
2	01:48:38	99310.000	8312.000	0.000	14450.000	70310.000	68590.000	68.435%	1142.000
3	01:49:21	99230.000	8286.000	0.000	14450.000	70240.000	68110.000	68.426%	1136.000
x		99510.000	8332.000	0.000	14420.000	70310.000	68430.000	68.357%	1137.000
σ		421.400	58.860	0.000	46.700	65.710	273.100	0.128%	4.846
%RSD		0.423	0.706	0.000	0.324	0.093	0.399	0.188	0.426
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:54	206.400	406.400	370000.000	151200.000	152200.000	190.600	249.600	875.200
2	01:48:38	208.200	406.600	368200.000	151000.000	152300.000	190.400	248.400	876.100
3	01:49:21	208.300	405.100	368500.000	151100.000	151500.000	191.100	248.600	884.400
x		207.600	406.000	368900.000	151100.000	152000.000	190.700	248.800	878.600
σ		1.097	0.858	957.500	79.790	437.400	0.389	0.662	5.089
%RSD		0.528	0.211	0.260	0.053	0.288	0.204	0.266	0.579
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:54	884.100	884.800	890.000	2242.000	4.529	4.972	0.000	37030.000
2	01:48:38	878.200	892.100	901.000	2236.000	4.118	4.004	0.000	37000.000
3	01:49:21	876.600	887.200	903.000	2240.000	4.363	5.413	0.000	36960.000
x		879.600	888.000	898.000	2239.000	4.337	4.796	0.000	36990.000
σ		3.975	3.718	6.999	3.018	0.207	0.721	0.000	32.630
%RSD		0.452	0.419	0.779	0.135	4.770	15.030	0.000	0.088
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:54	0.000	706.400	703.500	70.483%	0.617	0.541	2.230	1.909
2	01:48:38	0.000	707.000	707.100	71.566%	0.552	0.520	2.024	1.726
3	01:49:21	0.000	712.800	714.400	70.773%	0.532	0.550	1.853	1.791
x		0.000	708.700	708.300	70.941%	0.567	0.537	2.036	1.809
σ		0.000	3.557	5.533	0.561%	0.044	0.015	0.189	0.093
%RSD		0.000	0.502	0.781	0.791	7.838	2.862	9.281	5.147
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:54	72.537%	2.570	0.809	0.853	2724.000	2699.000	82.517%	83.454%
2	01:48:38	74.850%	2.532	0.791	0.825	2692.000	2696.000	84.946%	85.630%
3	01:49:21	74.076%	2.481	0.825	0.827	2730.000	2703.000	85.119%	86.403%
x		73.821%	2.528	0.808	0.835	2715.000	2699.000	84.194%	85.162%
σ		1.177%	0.045	0.017	0.016	20.450	3.570	1.455%	1.529%
%RSD		1.595	1.780	2.082	1.897	0.753	0.132	1.728	1.795
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:47:54	2.644	2.722	8184.000	8347.000	8366.000	83.135%		
2	01:48:38	2.723	2.730	8224.000	8461.000	8467.000	83.761%		
3	01:49:21	2.696	2.693	8172.000	8438.000	8441.000	84.808%		
x		2.688	2.715	8193.000	8415.000	8425.000	83.901%		
σ		0.040	0.019	27.450	60.440	52.600	0.846%		
%RSD		1.505	0.709	0.335	0.718	0.624	1.008		

CCV 781130 4/11/2013 1:55:26 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:09	64.984%	104.400	106.100	107.800	0.000	51820.000	51960.000	51870.000
2	01:56:52	66.121%	104.100	103.500	106.700	0.000	51130.000	51310.000	51140.000
3	01:57:35	67.467%	101.600	105.200	104.600	0.000	50890.000	51340.000	51100.000
x		66.191%	103.391%	104.933%	106.388%	0.000	102.560%	103.067%	102.741%
σ		1.243%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.878	1.513	1.251	1.516	0.000	0.949	0.712	0.837
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:09	511.100	5575.000	0.000	51950.000	50260.000	52150.000	67.713%	102.000
2	01:56:52	508.000	5442.000	0.000	51310.000	49410.000	51570.000	68.728%	102.000
3	01:57:35	502.700	5409.000	0.000	51860.000	51010.000	51960.000	68.709%	102.100
x		101.453%	109.509%	0.000	103.411%	100.447%	103.786%	68.383%	102.010%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.581%	n/a
%RSD		0.845	1.608	0.000	0.663	1.591	0.575	0.849	0.058
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:09	101.500	101.300	477.600	26470.000	24260.000	101.200	101.000	102.100
2	01:56:52	100.400	100.400	477.800	26360.000	24180.000	100.800	100.900	102.300
3	01:57:35	100.900	100.500	482.300	26480.000	24370.000	102.200	101.200	102.500
x		100.957%	100.738%	95.849%	105.748%	97.079%	101.387%	101.032%	102.284%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.544	0.476	0.558	0.248	0.389	0.716	0.161	0.214
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:09	102.000	100.100	102.500	100.200	98.770	101.700	0.000	101.400
2	01:56:52	100.300	100.300	101.700	99.770	100.500	99.120	0.000	100.700
3	01:57:35	101.400	101.200	101.500	99.440	100.400	101.100	0.000	101.700
x		101.257%	100.530%	101.881%	99.805%	99.887%	100.620%	0.000	101.253%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.834	0.570	0.531	0.387	0.967	1.322	0.000	0.503
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:09	70.295%	98.980	99.210	72.249%	98.350	98.940	100.800	100.500
2	01:56:52	72.021%	100.500	102.000	73.070%	98.100	98.190	98.990	100.500
3	01:57:35	71.932%	103.000	103.000	73.328%	98.360	99.170	99.530	100.700
x		71.416%	100.824%	101.399%	72.882%	98.267%	98.766%	99.763%	100.551%
σ		0.972%	n/a	n/a	0.563%	n/a	n/a	n/a	n/a
%RSD		1.361	2.007	1.941	0.773	0.151	0.521	0.917	0.121
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:09	72.256%	99.810	100.300	99.690	100.000	101.400	77.394%	78.135%
2	01:56:52	73.538%	99.860	100.300	100.100	100.700	101.100	79.146%	80.819%
3	01:57:35	74.112%	99.730	99.710	99.370	100.100	100.400	79.932%	81.439%
x		73.302%	99.799%	100.118%	99.703%	100.267%	100.929%	78.824%	80.131%
σ		0.950%	n/a	n/a	n/a	n/a	n/a	1.299%	1.756%
%RSD		1.296	0.063	0.358	0.345	0.374	0.498	1.648	2.191
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:56:09	96.180	95.420	96.120	95.600	95.720	83.176%		
2	01:56:52	97.630	96.860	96.710	96.370	96.380	84.062%		
3	01:57:35	97.070	96.330	97.120	97.210	96.900	85.112%		
x		96.958%	96.203%	96.650%	96.391%	96.335%	84.117%		
σ		n/a	n/a	n/a	n/a	n/a	0.969%		
%RSD		0.755	0.754	0.518	0.837	0.611	1.152		

CCB4 4/11/2013 2:03:43 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:26	89.725%	-0.005	0.489	0.659	0.000	-11.640	2.349	2.607
2	02:05:09	90.919%	-0.034	0.392	0.445	0.000	-11.470	2.843	2.380
3	02:05:52	92.115%	-0.025	0.678	0.628	0.000	-10.620	4.190	3.686
x		90.920%	-0.022	0.520	0.577	0.000	-11.240	3.127	2.891
σ		1.195%	0.015	0.146	0.116	0.000	0.546	0.953	0.698
%RSD		1.315	68.030	28.020	20.060	0.000	4.860	30.460	24.140
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:26	2.261	-267.300	0.000	-25.630	7.247	-23.920	96.504%	0.036
2	02:05:09	2.345	-262.300	0.000	-25.330	7.077	-25.540	97.878%	0.051
3	02:05:52	2.713	-236.100	0.000	-21.820	5.468	-21.570	97.895%	-0.009
x		2.440	-255.200	0.000	-24.260	6.597	-23.670	97.426%	0.026
σ		0.240	16.790	0.000	2.117	0.982	1.997	0.798%	0.031
%RSD		9.853	6.579	0.000	8.725	14.890	8.434	0.819	118.800
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:26	0.032	0.005	0.309	-7.201	0.185	-0.001	0.117	0.198
2	02:05:09	0.008	-0.017	0.425	-7.689	-0.350	-0.002	0.039	0.207
3	02:05:52	0.023	0.000	1.261	-7.175	0.867	-0.001	0.090	0.168
x		0.021	-0.004	0.665	-7.355	0.234	-0.001	0.082	0.191
σ		0.012	0.011	0.519	0.289	0.610	0.000	0.039	0.021
%RSD		58.480	276.500	78.110	3.934	260.800	35.220	47.940	10.840
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:26	0.198	1.749	1.998	-0.137	-0.473	-1.503	0.000	0.053
2	02:05:09	0.223	1.852	2.058	-0.020	-0.458	-1.025	0.000	0.066
3	02:05:52	0.186	1.947	1.858	-0.119	-0.547	-1.420	0.000	0.127
x		0.203	1.849	1.971	-0.092	-0.492	-1.316	0.000	0.082
σ		0.019	0.099	0.103	0.063	0.047	0.255	0.000	0.040
%RSD		9.303	5.371	5.223	68.050	9.635	19.400	0.000	48.520
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:26	79.938%	0.278	0.331	87.975%	-0.002	-0.006	-0.020	-0.015
2	02:05:09	81.528%	0.272	0.249	88.913%	-0.007	-0.006	-0.024	-0.013
3	02:05:52	81.926%	0.216	0.265	88.580%	-0.002	-0.003	-0.002	0.006
x		81.130%	0.255	0.281	88.489%	-0.004	-0.005	-0.015	-0.007
σ		1.052%	0.034	0.044	0.475%	0.003	0.002	0.012	0.011
%RSD		1.297	13.410	15.510	0.537	81.450	29.650	78.340	163.700
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:04:26	83.997%	0.172	0.016	0.022	0.055	0.056	86.200%	87.106%
2	02:05:09	85.693%	0.188	0.008	0.013	0.072	0.044	88.194%	88.707%
3	02:05:52	86.373%	0.156	0.025	0.033	0.062	0.069	88.162%	89.531%
x		85.354%	0.172	0.016	0.023	0.063	0.056	87.519%	88.448%
σ		1.224%	0.016	0.008	0.010	0.009	0.012	1.142%	1.233%
%RSD		1.434	9.294	49.610	45.290	13.610	21.650	1.305	1.394
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:04:26	0.005	0.009	0.043	0.052	0.043	99.517%		
2	02:05:09	0.005	0.006	0.040	0.033	0.043	100.715%		
3	02:05:52	0.006	0.007	0.052	0.062	0.055	100.621%		
x		0.005	0.007	0.045	0.049	0.047	100.284%		
σ		0.001	0.002	0.006	0.015	0.007	0.666%		
%RSD		13.650	22.640	14.070	30.020	14.850	0.664		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:44	58.427%	6.462	110.400	105.100	0.000	2453.000	29490.000	29300.000
2	02:13:27	60.698%	5.902	107.400	105.700	0.000	2435.000	29220.000	29200.000
3	02:14:10	61.520%	6.027	107.400	103.700	0.000	2393.000	28550.000	28350.000
x		60.215%	6.130	108.400	104.800	0.000	2427.000	29090.000	28950.000
σ		1.602%	0.293	1.693	1.002	0.000	30.480	482.400	523.500
%RSD		2.660	4.788	1.562	0.955	0.000	1.256	1.659	1.808
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:44	127700.000	7302.000	0.000	14500.000	14580.000	12090.000	69.602%	1041.000
2	02:13:27	126300.000	7203.000	0.000	14520.000	14530.000	12140.000	70.444%	1052.000
3	02:14:10	122800.000	7000.000	0.000	14120.000	14340.000	11830.000	71.490%	1026.000
x		125600.000	7168.000	0.000	14380.000	14480.000	12020.000	70.512%	1040.000
σ		2557.000	153.600	0.000	226.000	128.500	166.500	0.946%	12.990
%RSD		2.036	2.143	0.000	1.572	0.887	1.386	1.341	1.249
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:44	224.100	264.700	54420.000	200900.000	201800.000	95.490	251.700	250.600
2	02:13:27	226.600	266.200	55200.000	203400.000	203200.000	95.280	251.800	252.900
3	02:14:10	221.500	261.400	53750.000	196700.000	197500.000	92.660	247.800	246.500
x		224.100	264.100	54460.000	200300.000	200800.000	94.480	250.400	250.000
σ		2.527	2.470	727.400	3370.000	3001.000	1.577	2.320	3.285
%RSD		1.128	0.935	1.336	1.682	1.495	1.669	0.926	1.314
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:44	249.500	593.000	599.400	1714.000	4.800	4.849	0.000	9079.000
2	02:13:27	251.300	596.200	605.300	1725.000	4.662	4.838	0.000	9118.000
3	02:14:10	244.000	589.300	595.000	1697.000	4.644	5.000	0.000	8948.000
x		248.300	592.900	599.900	1712.000	4.702	4.896	0.000	9048.000
σ		3.769	3.455	5.186	14.210	0.085	0.091	0.000	88.890
%RSD		1.518	0.583	0.864	0.830	1.817	1.851	0.000	0.982
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:44	0.000	382.100	382.500	71.667%	0.508	0.487	1.806	1.660
2	02:13:27	0.000	388.200	389.000	73.002%	0.524	0.450	1.721	1.630
3	02:14:10	0.000	379.700	380.900	74.001%	0.476	0.471	1.520	1.490
x		0.000	383.300	384.100	72.890%	0.503	0.469	1.682	1.593
σ		0.000	4.355	4.296	1.171%	0.025	0.019	0.147	0.091
%RSD		0.000	1.136	1.118	1.607	4.907	3.965	8.745	5.688
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:12:44	72.411%	2.174	0.412	0.406	1014.000	1011.000	82.426%	82.778%
2	02:13:27	74.605%	2.197	0.418	0.419	1013.000	1011.000	84.794%	85.115%
3	02:14:10	75.300%	2.203	0.424	0.440	993.500	987.100	86.168%	86.215%
x		74.105%	2.192	0.418	0.421	1007.000	1003.000	84.462%	84.702%
σ		1.508%	0.015	0.006	0.017	11.760	13.800	1.893%	1.755%
%RSD		2.035	0.698	1.453	4.039	1.168	1.376	2.241	2.072
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:12:44	1.490	1.514	1667.000	1699.000	1698.000	85.106%		
2	02:13:27	1.483	1.507	1683.000	1722.000	1720.000	86.176%		
3	02:14:10	1.476	1.497	1633.000	1674.000	1674.000	87.181%		
x		1.483	1.506	1661.000	1699.000	1697.000	86.154%		
σ		0.007	0.008	25.570	23.900	22.950	1.037%		
%RSD		0.470	0.557	1.540	1.407	1.352	1.204		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:00	60.741%	7.387	43.120	41.920	0.000	625.000	44010.000	43540.000
2	02:21:43	61.372%	7.864	45.270	43.110	0.000	630.300	44080.000	43910.000
3	02:22:26	61.835%	8.317	44.840	44.600	0.000	638.100	44660.000	44510.000
x		61.316%	7.856	44.410	43.210	0.000	631.200	44250.000	43990.000
σ		0.549%	0.465	1.141	1.346	0.000	6.593	356.500	486.700
%RSD		0.895	5.921	2.569	3.115	0.000	1.045	0.806	1.106

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:00	154100.000	8271.000	0.000	10820.000	41760.000	43170.000	71.597%	1215.000
2	02:21:43	155300.000	8249.000	0.000	10830.000	41680.000	43220.000	73.403%	1203.000
3	02:22:26	156900.000	8335.000	0.000	10930.000	42450.000	43970.000	73.608%	1225.000
x		155400.000	8285.000	0.000	10860.000	41970.000	43450.000	72.869%	1214.000
σ		1407.000	44.440	0.000	62.720	425.100	450.100	1.106%	11.070
%RSD		0.905	0.536	0.000	0.577	1.013	1.036	1.518	0.912

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:00	229.700	277.500	15110.000	235000.000	237200.000	103.300	271.400	143.600
2	02:21:43	228.100	279.000	15040.000	234400.000	238400.000	104.500	273.500	145.500
3	02:22:26	232.100	283.200	15220.000	239200.000	241000.000	105.300	280.000	147.900
x		230.000	279.900	15120.000	236200.000	238900.000	104.400	275.000	145.700
σ		2.034	2.967	92.650	2621.000	1951.000	1.011	4.496	2.187
%RSD		0.884	1.060	0.613	1.110	0.817	0.969	1.635	1.501

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:00	145.200	574.700	585.000	115.600	4.812	5.037	0.000	268.900
2	02:21:43	144.900	578.200	587.800	115.300	4.956	4.685	0.000	269.700
3	02:22:26	148.200	590.700	597.000	117.800	4.757	5.403	0.000	277.800
x		146.100	581.200	589.900	116.200	4.842	5.042	0.000	272.100
σ		1.802	8.390	6.289	1.365	0.103	0.359	0.000	4.896
%RSD		1.233	1.444	1.066	1.174	2.129	7.115	0.000	1.799

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:00	0.000	25.500	25.680	72.873%	0.471	0.437	2.024	1.762
2	02:21:43	0.000	25.800	25.700	74.083%	0.493	0.444	2.078	1.800
3	02:22:26	0.000	26.090	26.400	74.256%	0.508	0.458	1.964	1.866
x		0.000	25.800	25.930	73.737%	0.491	0.446	2.022	1.810
σ		0.000	0.297	0.411	0.753%	0.018	0.011	0.057	0.053
%RSD		0.000	1.153	1.587	1.022	3.726	2.410	2.830	2.915

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:00	73.935%	2.111	0.296	0.299	882.800	879.400	85.409%	85.188%
2	02:21:43	75.697%	2.110	0.282	0.275	891.100	888.300	88.285%	88.122%
3	02:22:26	76.708%	2.165	0.300	0.299	895.800	892.800	88.604%	88.601%
x		75.446%	2.129	0.293	0.291	889.900	886.800	87.433%	87.304%
σ		1.404%	0.031	0.009	0.014	6.572	6.778	1.760%	1.848%
%RSD		1.860	1.463	3.230	4.767	0.739	0.764	2.013	2.117

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:00	1.705	1.675	170.900	168.300	169.600	86.178%
2	02:21:43	1.744	1.702	175.800	172.700	173.600	87.392%
3	02:22:26	1.779	1.757	178.300	176.700	177.900	87.279%
x		1.743	1.712	175.000	172.600	173.700	86.950%
σ		0.037	0.042	3.749	4.204	4.167	0.671%
%RSD		2.132	2.439	2.143	2.436	2.399	0.772

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:16	57.396%	5.012	107.500	105.700	0.000	8860.000	37250.000	37040.000
2	02:29:59	59.042%	4.814	105.700	106.200	0.000	8670.000	36630.000	36550.000
3	02:30:42	57.943%	4.786	107.100	105.500	0.000	8745.000	36980.000	36800.000
x		58.127%	4.871	106.800	105.800	0.000	8759.000	36950.000	36800.000
σ		0.838%	0.123	0.919	0.365	0.000	95.560	313.200	245.900
%RSD		1.442	2.530	0.861	0.345	0.000	1.091	0.848	0.668

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:16	121500.000	8729.000	0.000	17170.000	50190.000	49680.000	66.993%	1223.000
2	02:29:59	119600.000	8541.000	0.000	17100.000	49760.000	49800.000	67.284%	1225.000
3	02:30:42	120100.000	8552.000	0.000	17020.000	49550.000	49560.000	66.980%	1229.000
x		120400.000	8607.000	0.000	17100.000	49830.000	49680.000	67.086%	1226.000
σ		972.800	105.100	0.000	72.410	326.200	124.000	0.172%	2.875
%RSD		0.808	1.222	0.000	0.423	0.655	0.250	0.256	0.235

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:16	261.300	145.700	489300.000	190500.000	192400.000	715.900	289.800	1056.000
2	02:29:59	262.000	144.700	489800.000	191200.000	192800.000	718.000	295.200	1069.000
3	02:30:42	261.600	144.500	491600.000	190400.000	192500.000	719.700	292.200	1069.000
x		261.600	145.000	490200.000	190700.000	192600.000	717.900	292.400	1065.000
σ		0.345	0.630	1206.000	399.300	196.200	1.869	2.694	7.558
%RSD		0.132	0.435	0.246	0.209	0.102	0.260	0.921	0.710

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:16	1060.000	568.300	574.000	916.700	3.834	4.105	0.000	16790.000
2	02:29:59	1069.000	574.500	579.200	915.700	3.575	4.206	0.000	16890.000
3	02:30:42	1067.000	576.700	581.400	924.000	3.722	3.972	0.000	16940.000
x		1065.000	573.200	578.200	918.800	3.710	4.094	0.000	16870.000
σ		4.870	4.365	3.801	4.541	0.130	0.117	0.000	78.560
%RSD		0.457	0.761	0.657	0.494	3.497	2.861	0.000	0.466

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:16	0.000	582.800	578.300	69.204%	0.333	0.291	1.288	1.074
2	02:29:59	0.000	587.400	586.600	69.911%	0.326	0.258	1.096	0.933
3	02:30:42	0.000	591.500	590.700	68.873%	0.319	0.271	1.075	1.007
x		0.000	587.300	585.200	69.329%	0.326	0.273	1.153	1.004
σ		0.000	4.367	6.359	0.530%	0.007	0.017	0.117	0.071
%RSD		0.000	0.744	1.087	0.765	2.054	6.128	10.170	7.037

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:16	72.010%	2.172	0.963	0.977	5225.000	5254.000	81.550%	81.701%
2	02:29:59	72.766%	2.211	0.970	0.968	5177.000	5232.000	83.410%	84.013%
3	02:30:42	72.812%	2.124	1.003	0.915	5177.000	5221.000	83.644%	84.071%
x		72.529%	2.169	0.979	0.953	5193.000	5236.000	82.868%	83.262%
σ		0.450%	0.044	0.021	0.034	27.490	17.030	1.148%	1.352%
%RSD		0.621	2.023	2.185	3.519	0.529	0.325	1.385	1.623

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:29:16	9.860	9.661	1247.000	1274.000	1267.000	82.310%
2	02:29:59	9.878	9.819	1251.000	1277.000	1275.000	83.524%
3	02:30:42	10.070	9.874	1249.000	1281.000	1277.000	83.509%
x		9.935	9.785	1249.000	1277.000	1273.000	83.114%
σ		0.114	0.111	2.003	3.715	5.188	0.697%
%RSD		1.150	1.130	0.160	0.291	0.407	0.838

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:32	55.127%	6.125	138.900	133.400	0.000	4897.000	34400.000	34170.000
2	02:38:15	55.854%	6.445	142.100	134.500	0.000	4887.000	34080.000	34160.000
3	02:38:58	55.443%	6.425	142.200	138.800	0.000	4981.000	34660.000	34610.000
x		55.475%	6.332	141.100	135.600	0.000	4922.000	34380.000	34310.000
σ		0.364%	0.179	1.887	2.868	0.000	51.520	292.500	256.000
%RSD		0.657	2.830	1.338	2.115	0.000	1.047	0.851	0.746
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:32	142200.000	9294.000	0.000	24640.000	27910.000	22730.000	64.975%	1335.000
2	02:38:15	141800.000	9165.000	0.000	24690.000	27300.000	22720.000	65.593%	1329.000
3	02:38:58	144100.000	9278.000	0.000	25100.000	28070.000	23180.000	65.113%	1362.000
x		142700.000	9246.000	0.000	24810.000	27760.000	22880.000	65.227%	1342.000
σ		1236.000	70.390	0.000	256.100	405.600	261.600	0.325%	17.560
%RSD		0.867	0.761	0.000	1.032	1.461	1.143	0.498	1.308
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:32	262.300	158.900	282300.000	244800.000	247200.000	262.200	256.500	374.700
2	02:38:15	262.100	157.800	281700.000	244500.000	246700.000	261.000	256.700	374.100
3	02:38:58	266.400	159.500	285100.000	247400.000	249200.000	265.000	258.900	377.100
x		263.600	158.700	283000.000	245600.000	247700.000	262.700	257.400	375.300
σ		2.435	0.842	1808.000	1578.000	1314.000	2.034	1.309	1.590
%RSD		0.924	0.531	0.639	0.642	0.530	0.774	0.508	0.424
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:32	374.100	640.700	647.400	1651.000	4.342	4.279	0.000	23770.000
2	02:38:15	375.800	641.300	649.500	1662.000	4.259	4.685	0.000	23870.000
3	02:38:58	378.100	652.300	663.700	1693.000	4.650	4.501	0.000	24260.000
x		376.000	644.800	653.600	1669.000	4.417	4.488	0.000	23960.000
σ		2.003	6.543	8.855	21.510	0.206	0.204	0.000	256.800
%RSD		0.533	1.015	1.355	1.289	4.661	4.537	0.000	1.072
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:32	0.000	1022.000	1022.000	67.536%	0.413	0.326	1.574	1.362
2	02:38:15	0.000	1029.000	1031.000	68.472%	0.414	0.331	1.704	1.437
3	02:38:58	0.000	1059.000	1056.000	67.341%	0.417	0.332	1.480	1.279
x		0.000	1037.000	1036.000	67.783%	0.415	0.330	1.586	1.359
σ		0.000	19.460	17.500	0.605%	0.002	0.003	0.113	0.079
%RSD		0.000	1.877	1.689	0.892	0.408	0.977	7.105	5.816
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:37:32	69.190%	2.204	0.411	0.433	2138.000	2137.000	81.236%	81.182%
2	02:38:15	71.079%	2.192	0.419	0.380	2144.000	2148.000	82.767%	83.357%
3	02:38:58	70.678%	2.361	0.382	0.436	2184.000	2169.000	83.093%	83.041%
x		70.316%	2.252	0.404	0.416	2155.000	2151.000	82.365%	82.527%
σ		0.995%	0.094	0.020	0.031	25.070	16.290	0.991%	1.175%
%RSD		1.415	4.191	4.883	7.542	1.163	0.757	1.203	1.424
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:37:32	7.983	7.952	1330.000	1358.000	1356.000	80.619%		
2	02:38:15	8.149	8.038	1333.000	1363.000	1363.000	82.325%		
3	02:38:58	8.295	8.242	1358.000	1388.000	1386.000	81.939%		
x		8.142	8.077	1341.000	1369.000	1368.000	81.628%		
σ		0.156	0.149	15.510	15.900	15.580	0.894%		
%RSD		1.914	1.845	1.157	1.161	1.139	1.096		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:48	57.625%	7.083	38.090	38.320	0.000	486.300	33360.000	33170.000
2	02:46:31	57.988%	6.935	39.020	38.900	0.000	487.500	33500.000	33450.000
3	02:47:14	59.377%	6.910	40.050	38.870	0.000	478.800	33140.000	32950.000
x		58.330%	6.976	39.050	38.700	0.000	484.200	33340.000	33190.000
σ		0.925%	0.094	0.980	0.329	0.000	4.733	181.000	247.500
%RSD		1.585	1.347	2.510	0.850	0.000	0.977	0.543	0.746
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:48	150400.000	9272.000	0.000	11020.000	7235.000	6560.000	67.765%	1143.000
2	02:46:31	151400.000	9294.000	0.000	11120.000	7245.000	6600.000	69.648%	1152.000
3	02:47:14	149800.000	9107.000	0.000	11090.000	7232.000	6576.000	70.645%	1146.000
x		150600.000	9224.000	0.000	11080.000	7237.000	6579.000	69.352%	1147.000
σ		789.800	102.300	0.000	54.470	7.170	20.440	1.463%	4.700
%RSD		0.525	1.109	0.000	0.492	0.099	0.311	2.109	0.410
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:48	219.500	170.100	3118.000	283900.000	287500.000	95.940	208.100	198.800
2	02:46:31	218.400	170.500	3118.000	281400.000	284700.000	95.500	206.500	197.200
3	02:47:14	218.600	170.300	3111.000	282100.000	286100.000	95.760	206.400	197.700
x		218.800	170.300	3115.000	282500.000	286100.000	95.730	207.000	197.900
σ		0.588	0.220	3.970	1274.000	1393.000	0.221	0.967	0.849
%RSD		0.269	0.129	0.127	0.451	0.487	0.231	0.467	0.429
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:48	198.700	549.300	555.700	141.100	2.235	3.128	0.000	83.190
2	02:46:31	197.200	547.600	556.900	140.400	2.692	3.480	0.000	82.590
3	02:47:14	197.100	551.300	556.700	140.100	2.756	3.637	0.000	82.790
x		197.700	549.400	556.500	140.500	2.561	3.415	0.000	82.850
σ		0.880	1.847	0.622	0.546	0.284	0.261	0.000	0.302
%RSD		0.445	0.336	0.112	0.389	11.090	7.628	0.000	0.365
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:48	0.000	11.020	11.330	69.184%	0.260	0.169	1.126	0.931
2	02:46:31	0.000	10.700	10.940	71.413%	0.247	0.202	1.241	0.951
3	02:47:14	0.000	10.800	11.020	71.700%	0.230	0.181	1.075	0.899
x		0.000	10.840	11.100	70.766%	0.246	0.184	1.147	0.927
σ		0.000	0.164	0.208	1.377%	0.015	0.017	0.085	0.026
%RSD		0.000	1.508	1.871	1.946	6.200	9.172	7.422	2.840
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:48	70.150%	1.974	0.256	0.240	745.500	742.700	83.637%	84.032%
2	02:46:31	72.376%	1.913	0.239	0.234	751.600	741.800	87.226%	87.066%
3	02:47:14	72.551%	1.938	0.248	0.225	759.400	751.300	88.087%	88.159%
x		71.692%	1.942	0.248	0.233	752.200	745.300	86.317%	86.419%
σ		1.339%	0.030	0.008	0.008	6.963	5.243	2.360%	2.138%
%RSD		1.868	1.558	3.379	3.321	0.926	0.703	2.734	2.474
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:45:48	1.844	1.809	138.000	134.700	136.600	82.122%		
2	02:46:31	1.842	1.826	139.200	137.400	138.400	83.978%		
3	02:47:14	1.830	1.823	140.900	138.300	139.600	84.611%		
x		1.839	1.819	139.400	136.800	138.200	83.571%		
σ		0.008	0.009	1.472	1.838	1.468	1.294%		
%RSD		0.433	0.498	1.056	1.344	1.062	1.548		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:03	58.681%	5.827	29.210	31.020	0.000	620.300	26650.000	26780.000
2	02:54:46	59.857%	5.508	31.560	29.680	0.000	619.200	26410.000	26210.000
3	02:55:29	60.401%	5.509	31.430	29.550	0.000	629.000	26690.000	26490.000
x		59.646%	5.615	30.730	30.090	0.000	622.800	26590.000	26490.000
σ		0.879%	0.184	1.322	0.810	0.000	5.360	151.200	288.800
%RSD		1.473	3.274	4.303	2.693	0.000	0.861	0.569	1.090

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:03	101800.000	7538.000	0.000	9945.000	2852.000	2510.000	68.291%	713.600
2	02:54:46	100200.000	7366.000	0.000	9825.000	2802.000	2509.000	69.459%	706.200
3	02:55:29	100600.000	7459.000	0.000	9993.000	2759.000	2557.000	68.486%	720.300
x		100900.000	7454.000	0.000	9921.000	2804.000	2525.000	68.745%	713.400
σ		818.900	86.160	0.000	86.750	46.430	27.110	0.626%	7.079
%RSD		0.812	1.156	0.000	0.874	1.656	1.074	0.910	0.992

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:03	139.800	125.600	2855.000	220700.000	222000.000	88.650	208.500	160.700
2	02:54:46	138.700	125.300	2823.000	218000.000	220900.000	88.220	205.900	159.400
3	02:55:29	141.900	128.800	2899.000	223700.000	224100.000	89.700	209.500	162.600
x		140.100	126.600	2859.000	220800.000	222300.000	88.860	208.000	160.900
σ		1.602	1.928	37.830	2845.000	1645.000	0.760	1.846	1.570
%RSD		1.143	1.523	1.323	1.289	0.740	0.855	0.887	0.976

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:03	159.900	497.700	501.900	137.600	1.444	1.830	0.000	55.280
2	02:54:46	158.600	500.600	506.200	137.200	1.052	1.927	0.000	56.220
3	02:55:29	161.500	506.000	517.300	141.400	1.370	2.518	0.000	56.910
x		160.000	501.500	508.500	138.800	1.288	2.092	0.000	56.140
σ		1.457	4.225	7.947	2.307	0.208	0.372	0.000	0.817
%RSD		0.910	0.843	1.563	1.662	16.150	17.790	0.000	1.456

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:03	0.000	8.112	8.283	71.220%	0.271	0.194	0.909	0.719
2	02:54:46	0.000	8.292	8.439	71.932%	0.241	0.194	0.940	0.711
3	02:55:29	0.000	8.265	8.525	71.036%	0.283	0.198	0.872	0.690
x		0.000	8.223	8.416	71.396%	0.265	0.195	0.907	0.707
σ		0.000	0.097	0.122	0.473%	0.022	0.003	0.034	0.015
%RSD		0.000	1.186	1.455	0.663	8.195	1.391	3.757	2.095

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:03	70.984%	2.338	0.242	0.269	645.700	640.000	85.596%	85.067%
2	02:54:46	72.726%	2.361	0.264	0.238	642.500	640.800	87.643%	87.045%
3	02:55:29	72.442%	2.509	0.277	0.236	650.500	650.200	87.438%	86.939%
x		72.051%	2.402	0.261	0.248	646.200	643.700	86.892%	86.351%
σ		0.935%	0.093	0.018	0.019	4.023	5.689	1.127%	1.113%
%RSD		1.298	3.862	6.734	7.493	0.623	0.884	1.298	1.289

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:03	1.398	1.452	121.200	119.600	120.300	83.700%
2	02:54:46	1.415	1.490	123.400	122.400	122.600	84.353%
3	02:55:29	1.488	1.475	124.600	123.800	124.200	85.072%
x		1.434	1.472	123.100	122.000	122.400	84.375%
σ		0.048	0.020	1.720	2.125	1.991	0.686%
%RSD		3.334	1.329	1.397	1.742	1.627	0.813

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:16	59.242%	4.930	26.550	28.950	0.000	337.600	23260.000	23220.000
2	03:02:59	59.871%	5.266	30.000	30.340	0.000	340.300	23380.000	23190.000
3	03:03:42	60.318%	5.298	29.750	29.440	0.000	338.800	23150.000	22990.000
x		59.810%	5.165	28.760	29.580	0.000	338.900	23260.000	23130.000
σ		0.541%	0.204	1.923	0.705	0.000	1.339	116.700	123.100
%RSD		0.904	3.948	6.685	2.384	0.000	0.395	0.502	0.532

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:16	96930.000	6997.000	0.000	9825.000	1927.000	1778.000	68.071%	647.500
2	03:02:59	96990.000	6943.000	0.000	9845.000	1922.000	1780.000	68.528%	652.500
3	03:03:42	96250.000	6895.000	0.000	9746.000	1991.000	1772.000	68.614%	638.700
x		96730.000	6945.000	0.000	9805.000	1947.000	1777.000	68.404%	646.200
σ		413.900	51.290	0.000	52.820	38.440	3.883	0.292%	6.993
%RSD		0.428	0.739	0.000	0.539	1.974	0.219	0.427	1.082

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:16	135.000	118.500	2153.000	198600.000	198400.000	88.720	179.600	134.900
2	03:02:59	136.600	120.500	2176.000	199900.000	199900.000	89.570	180.300	135.300
3	03:03:42	134.800	118.300	2146.000	197900.000	198800.000	88.900	178.800	134.700
x		135.400	119.100	2158.000	198800.000	199100.000	89.060	179.600	135.000
σ		0.967	1.234	15.440	998.900	795.300	0.450	0.750	0.331
%RSD		0.714	1.036	0.716	0.502	0.400	0.505	0.417	0.245

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:16	133.700	403.200	409.500	111.200	1.244	1.402	0.000	36.130
2	03:02:59	135.700	410.000	415.300	112.000	1.449	1.939	0.000	37.040
3	03:03:42	134.500	408.100	413.800	111.800	1.211	1.249	0.000	36.570
x		134.600	407.100	412.800	111.700	1.301	1.530	0.000	36.580
σ		0.996	3.494	3.000	0.399	0.129	0.362	0.000	0.459
%RSD		0.740	0.858	0.727	0.357	9.908	23.660	0.000	1.255

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:16	0.000	6.591	6.657	71.354%	0.155	0.090	0.940	0.759
2	03:02:59	0.000	7.041	6.992	71.486%	0.151	0.084	0.930	0.741
3	03:03:42	0.000	6.790	6.809	71.867%	0.153	0.102	0.976	0.787
x		0.000	6.807	6.819	71.569%	0.153	0.092	0.949	0.762
σ		0.000	0.225	0.168	0.267%	0.002	0.009	0.024	0.023
%RSD		0.000	3.311	2.458	0.373	1.215	10.090	2.539	3.075

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:16	70.758%	2.172	0.201	0.238	491.400	488.600	83.907%	83.832%
2	03:02:59	71.851%	2.162	0.188	0.206	495.700	492.700	85.134%	85.028%
3	03:03:42	72.460%	2.039	0.214	0.204	491.800	487.200	86.487%	85.790%
x		71.690%	2.124	0.201	0.216	493.000	489.500	85.176%	84.883%
σ		0.862%	0.074	0.013	0.019	2.346	2.829	1.291%	0.987%
%RSD		1.203	3.474	6.460	8.838	0.476	0.578	1.516	1.163

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:16	1.155	1.180	92.570	90.670	91.460	84.955%
2	03:02:59	1.201	1.181	94.260	93.050	93.580	85.359%
3	03:03:42	1.228	1.194	94.160	93.070	93.540	85.458%
x		1.195	1.185	93.670	92.260	92.860	85.257%
σ		0.037	0.008	0.948	1.382	1.215	0.266%
%RSD		3.105	0.649	1.012	1.498	1.308	0.312

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:30	57.901%	4.838	33.410	33.360	0.000	315.600	21990.000	21850.000
2	03:11:13	59.058%	5.422	34.300	33.230	0.000	316.200	22150.000	22000.000
3	03:11:56	59.312%	5.144	32.170	33.500	0.000	316.100	21800.000	21870.000
x		58.757%	5.135	33.290	33.360	0.000	316.000	21980.000	21910.000
σ		0.752%	0.292	1.070	0.134	0.000	0.314	173.000	83.520
%RSD		1.281	5.694	3.213	0.401	0.000	0.099	0.787	0.381

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:30	99580.000	6974.000	0.000	8763.000	1596.000	1439.000	67.464%	707.200
2	03:11:13	100200.000	6974.000	0.000	8845.000	1583.000	1480.000	68.102%	724.200
3	03:11:56	99560.000	6880.000	0.000	8826.000	1568.000	1449.000	68.142%	717.900
x		99780.000	6943.000	0.000	8811.000	1582.000	1456.000	67.903%	716.400
σ		375.500	54.130	0.000	42.840	14.400	21.200	0.380%	8.565
%RSD		0.376	0.780	0.000	0.486	0.910	1.456	0.560	1.195

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:30	149.200	118.000	3254.000	217900.000	218400.000	121.700	161.200	144.800
2	03:11:13	149.300	117.900	3309.000	221100.000	223500.000	124.100	163.300	146.500
3	03:11:56	148.700	117.100	3274.000	218900.000	219200.000	121.700	160.900	145.000
x		149.100	117.700	3279.000	219300.000	220300.000	122.500	161.800	145.400
σ		0.323	0.486	27.740	1661.000	2722.000	1.410	1.311	0.904
%RSD		0.217	0.413	0.846	0.757	1.235	1.151	0.810	0.622

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:30	143.600	393.700	404.100	150.900	1.746	2.094	0.000	32.710
2	03:11:13	145.600	405.400	409.600	151.800	1.984	2.014	0.000	33.600
3	03:11:56	144.700	403.700	405.900	151.000	1.720	1.755	0.000	33.070
x		144.600	400.900	406.500	151.200	1.816	1.954	0.000	33.130
σ		1.021	6.305	2.780	0.508	0.146	0.177	0.000	0.450
%RSD		0.706	1.573	0.684	0.336	8.018	9.077	0.000	1.359

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:30	0.000	8.674	9.059	70.025%	0.177	0.122	0.925	0.723
2	03:11:13	0.000	9.171	9.140	70.515%	0.209	0.118	0.807	0.674
3	03:11:56	0.000	8.972	9.125	71.163%	0.171	0.108	0.970	0.784
x		0.000	8.939	9.108	70.568%	0.186	0.116	0.901	0.727
σ		0.000	0.250	0.044	0.571%	0.020	0.007	0.085	0.055
%RSD		0.000	2.799	0.478	0.809	10.910	5.998	9.387	7.582

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:30	70.645%	2.185	0.209	0.260	512.700	512.400	83.143%	83.877%
2	03:11:13	71.285%	2.155	0.232	0.242	521.600	518.800	84.768%	85.347%
3	03:11:56	72.244%	2.134	0.230	0.223	511.100	507.200	85.762%	85.986%
x		71.392%	2.158	0.224	0.242	515.100	512.800	84.557%	85.070%
σ		0.805%	0.025	0.012	0.018	5.636	5.797	1.322%	1.081%
%RSD		1.127	1.181	5.537	7.630	1.094	1.130	1.564	1.271

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:30	1.402	1.393	120.800	118.500	119.300	84.931%
2	03:11:13	1.449	1.430	123.800	121.700	122.500	85.267%
3	03:11:56	1.398	1.431	124.500	122.200	123.100	85.232%
x		1.416	1.418	123.000	120.800	121.600	85.143%
σ		0.028	0.022	1.954	1.999	2.038	0.185%
%RSD		2.008	1.537	1.588	1.654	1.675	0.217

240-22141-B-16-C 4/11/2013 3:18:02 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:45	56.871%	5.749	33.270	34.770	0.000	737.800	21980.000	21820.000
2	03:19:28	57.448%	5.422	34.780	34.990	0.000	739.200	21720.000	21760.000
3	03:20:11	56.935%	5.766	36.640	34.930	0.000	755.300	22220.000	22120.000
x		57.085%	5.646	34.900	34.900	0.000	744.100	21970.000	21900.000
σ		0.316%	0.194	1.684	0.113	0.000	9.676	250.700	193.600
%RSD		0.554	3.436	4.824	0.325	0.000	1.300	1.141	0.884
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:45	83070.000	7239.000	0.000	7973.000	39680.000	36420.000	65.930%	643.900
2	03:19:28	82220.000	7163.000	0.000	8055.000	39950.000	40630.000	66.188%	645.300
3	03:20:11	83890.000	7286.000	0.000	8156.000	40300.000	41440.000	65.783%	652.000
x		83060.000	7230.000	0.000	8061.000	39980.000	39500.000	65.967%	647.100
σ		837.600	62.110	0.000	91.590	313.900	2697.000	0.205%	4.327
%RSD		1.008	0.859	0.000	1.136	0.785	6.828	0.311	0.669
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:45	129.700	119.800	21850.000	263600.000	264200.000	110.500	255.200	128.800
2	03:19:28	128.900	119.100	21850.000	262800.000	264900.000	110.600	254.800	129.200
3	03:20:11	131.900	122.300	22210.000	268500.000	271300.000	113.700	261.300	131.400
x		130.200	120.400	21970.000	265000.000	266800.000	111.600	257.100	129.800
σ		1.552	1.663	205.400	3050.000	3900.000	1.788	3.639	1.409
%RSD		1.192	1.381	0.935	1.151	1.462	1.602	1.415	1.085
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:45	128.500	396.300	402.200	174.800	1.584	2.593	0.000	170.400
2	03:19:28	128.700	400.800	408.400	174.700	1.700	1.810	0.000	170.100
3	03:20:11	130.100	409.600	415.000	178.600	1.616	2.256	0.000	175.900
x		129.100	402.300	408.500	176.000	1.633	2.220	0.000	172.100
σ		0.865	6.771	6.412	2.193	0.060	0.393	0.000	3.250
%RSD		0.670	1.683	1.570	1.246	3.692	17.690	0.000	1.888
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:45	0.000	11.720	12.010	68.858%	0.198	0.146	1.165	0.870
2	03:19:28	0.000	11.880	11.910	69.891%	0.203	0.146	1.226	1.025
3	03:20:11	0.000	12.520	12.360	68.719%	0.180	0.150	1.279	1.037
x		0.000	12.040	12.090	69.156%	0.193	0.147	1.223	0.977
σ		0.000	0.420	0.234	0.641%	0.012	0.002	0.057	0.093
%RSD		0.000	3.485	1.931	0.926	6.236	1.645	4.658	9.541
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:45	69.839%	2.107	0.488	0.481	1013.000	1005.000	83.755%	83.680%
2	03:19:28	70.553%	2.157	0.505	0.474	1013.000	1007.000	86.768%	85.616%
3	03:20:11	70.312%	2.128	0.523	0.498	1036.000	1025.000	85.757%	85.344%
x		70.235%	2.131	0.505	0.484	1021.000	1012.000	85.427%	84.880%
σ		0.363%	0.025	0.017	0.012	13.530	10.620	1.533%	1.048%
%RSD		0.517	1.172	3.416	2.561	1.325	1.049	1.795	1.235
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:18:45	2.050	2.028	119.100	117.300	117.700	83.474%		
2	03:19:28	2.061	2.068	120.900	119.200	119.900	84.737%		
3	03:20:11	2.177	2.105	124.100	122.700	123.500	83.438%		
x		2.096	2.067	121.400	119.700	120.400	83.883%		
σ		0.070	0.039	2.558	2.761	2.928	0.740%		
%RSD		3.336	1.867	2.108	2.306	2.432	0.882		

240-22141-B-17-C 4/11/2013 3:26:17 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:00	56.896%	4.445	24.350	24.600	0.000	324.000	20410.000	20180.000
2	03:27:42	57.733%	4.596	25.580	25.490	0.000	322.400	20150.000	20110.000
3	03:28:25	56.743%	4.502	26.980	26.420	0.000	335.000	20740.000	20590.000
x		57.124%	4.514	25.640	25.500	0.000	327.100	20440.000	20290.000
σ		0.533%	0.076	1.316	0.906	0.000	6.843	296.400	262.800
%RSD		0.934	1.690	5.132	3.553	0.000	2.092	1.451	1.295

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:00	88590.000	5796.000	0.000	7851.000	8442.000	7706.000	64.443%	748.900
2	03:27:42	88560.000	5735.000	0.000	7843.000	8375.000	7761.000	65.892%	775.900
3	03:28:25	90280.000	5889.000	0.000	8016.000	8539.000	7991.000	65.744%	763.300
x		89140.000	5807.000	0.000	7903.000	8452.000	7819.000	65.360%	762.700
σ		981.400	77.660	0.000	97.910	82.470	151.400	0.797%	13.530
%RSD		1.101	1.337	0.000	1.239	0.976	1.937	1.220	1.774

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:00	145.500	112.300	4405.000	204000.000	204300.000	70.340	165.700	123.100
2	03:27:42	145.100	111.100	4345.000	201800.000	201500.000	70.070	163.600	121.000
3	03:28:25	147.700	112.600	4461.000	206200.000	206900.000	71.550	168.100	124.900
x		146.100	112.000	4404.000	204000.000	204200.000	70.650	165.800	123.000
σ		1.422	0.815	58.020	2214.000	2712.000	0.789	2.243	1.964
%RSD		0.973	0.728	1.317	1.085	1.328	1.117	1.353	1.597

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:00	121.100	326.500	327.700	116.200	1.500	2.228	0.000	56.560
2	03:27:42	121.500	326.600	331.000	115.000	1.678	1.553	0.000	57.010
3	03:28:25	124.400	333.800	336.100	119.700	1.828	2.564	0.000	58.840
x		122.300	329.000	331.600	116.900	1.668	2.115	0.000	57.470
σ		1.809	4.201	4.231	2.442	0.164	0.515	0.000	1.210
%RSD		1.479	1.277	1.276	2.088	9.826	24.350	0.000	2.106

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:00	0.000	6.613	6.777	68.259%	0.179	0.113	0.867	0.687
2	03:27:42	0.000	6.622	7.025	69.437%	0.165	0.108	0.842	0.649
3	03:28:25	0.000	7.044	7.170	69.047%	0.200	0.117	0.787	0.626
x		0.000	6.760	6.991	68.915%	0.181	0.113	0.832	0.654
σ		0.000	0.246	0.199	0.600%	0.017	0.004	0.041	0.031
%RSD		0.000	3.643	2.845	0.871	9.643	3.748	4.923	4.734

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:00	67.482%	2.090	0.241	0.238	661.900	656.700	79.663%	80.221%
2	03:27:42	70.152%	1.995	0.231	0.207	658.700	655.200	82.562%	82.405%
3	03:28:25	69.731%	2.055	0.241	0.214	676.300	670.900	82.826%	82.651%
x		69.122%	2.047	0.238	0.220	665.600	660.900	81.683%	81.759%
σ		1.436%	0.048	0.006	0.016	9.371	8.654	1.755%	1.338%
%RSD		2.077	2.347	2.443	7.454	1.408	1.309	2.148	1.636

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:00	1.228	1.234	100.400	98.290	99.010	82.759%
2	03:27:42	1.227	1.248	101.900	99.860	100.600	84.422%
3	03:28:25	1.272	1.303	105.400	103.600	104.300	83.963%
x		1.243	1.261	102.600	100.600	101.300	83.715%
σ		0.026	0.036	2.572	2.737	2.734	0.859%
%RSD		2.063	2.875	2.507	2.721	2.699	1.026

CCV 781130 4/11/2013 3:34:32 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:14	60.744%	106.800	108.000	104.800	0.000	51730.000	52070.000	51910.000
2	03:35:58	62.136%	104.800	107.500	103.300	0.000	50570.000	50880.000	50760.000
3	03:36:41	61.306%	106.500	107.400	107.600	0.000	51840.000	52010.000	52000.000
x		61.395%	106.035%	107.643%	105.200%	0.000	102.754%	103.307%	103.120%
σ		0.701%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.141	1.015	0.326	2.056	0.000	1.372	1.294	1.339
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:14	510.700	5566.000	0.000	52250.000	50260.000	52420.000	63.378%	104.400
2	03:35:58	500.900	5395.000	0.000	51590.000	50360.000	51660.000	64.041%	102.000
3	03:36:41	510.400	5509.000	0.000	52510.000	51020.000	52640.000	63.170%	103.200
x		101.466%	109.799%	0.000	104.229%	101.101%	104.485%	63.530%	103.226%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.455%	n/a
%RSD		1.100	1.583	0.000	0.912	0.819	0.984	0.716	1.149
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:14	101.400	100.900	480.600	26680.000	24150.000	101.000	101.500	102.000
2	03:35:58	100.400	99.940	480.400	26410.000	24180.000	100.300	100.500	100.700
3	03:36:41	102.700	101.700	487.500	26810.000	24410.000	102.300	101.200	102.600
x		101.492%	100.821%	96.568%	106.542%	96.980%	101.187%	101.041%	101.785%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.136	0.849	0.834	0.756	0.575	0.984	0.513	0.979
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:14	101.300	100.400	101.700	99.130	100.800	98.460	0.000	100.900
2	03:35:58	99.670	99.470	101.000	97.970	99.010	98.410	0.000	101.600
3	03:36:41	101.700	101.000	100.500	98.720	101.700	100.200	0.000	101.700
x		100.909%	100.273%	101.045%	98.608%	100.492%	99.009%	0.000	101.412%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.080	0.764	0.580	0.598	1.346	1.004	0.000	0.450
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:14	66.454%	98.230	98.720	67.980%	97.980	99.060	99.690	101.600
2	03:35:58	67.066%	100.900	100.700	69.373%	97.130	97.730	98.670	99.860
3	03:36:41	67.070%	103.000	102.300	68.218%	99.310	100.300	100.700	101.500
x		66.864%	100.717%	100.575%	68.524%	98.140%	99.035%	99.698%	100.968%
σ		0.354%	n/a	n/a	0.745%	n/a	n/a	n/a	n/a
%RSD		0.530	2.397	1.805	1.088	1.121	1.311	1.041	0.952
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:14	67.823%	99.930	100.100	100.200	100.900	101.200	74.302%	74.922%
2	03:35:58	69.178%	99.600	99.230	98.710	100.600	99.950	75.343%	76.344%
3	03:36:41	68.131%	102.200	101.500	101.500	102.200	101.900	74.912%	76.029%
x		68.378%	100.568%	100.266%	100.153%	101.247%	101.036%	74.852%	75.765%
σ		0.710%	n/a	n/a	n/a	n/a	n/a	0.523%	0.747%
%RSD		1.039	1.389	1.123	1.394	0.858	0.991	0.698	0.986
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:35:14	96.240	95.560	95.200	95.040	95.100	80.183%		
2	03:35:58	96.460	95.870	96.590	95.740	95.700	81.308%		
3	03:36:41	97.900	97.400	97.520	96.270	97.000	81.058%		
x		96.865%	96.274%	96.436%	95.684%	95.934%	80.849%		
σ		n/a	n/a	n/a	n/a	n/a	0.591%		
%RSD		0.932	1.022	1.207	0.641	1.012	0.731		

CCB5 4/11/2013 3:44:15 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:44:58	90.280%	-0.034	-0.599	-0.329	0.000	-10.860	3.028	2.700
2	03:45:41	92.139%	-0.034	-0.643	-0.209	0.000	-10.540	3.579	3.803
3	03:46:24	92.375%	-0.011	-0.219	-0.290	0.000	-6.621	6.492	6.136
x		91.598%	-0.026	-0.487	-0.276	0.000	-9.341	4.366	4.213
σ		1.147%	0.013	0.233	0.061	0.000	2.360	1.861	1.754
%RSD		1.252	49.840	47.940	22.190	0.000	25.270	42.630	41.630

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:44:58	2.552	-263.600	0.000	-13.170	14.950	-19.020	86.147%	0.041
2	03:45:41	2.628	-250.500	0.000	-12.710	16.410	-15.510	87.508%	0.039
3	03:46:24	3.657	-237.000	0.000	-8.384	13.850	-6.365	86.991%	0.039
x		2.946	-250.400	0.000	-11.420	15.070	-13.630	86.882%	0.040
σ		0.617	13.300	0.000	2.639	1.286	6.534	0.687%	0.001
%RSD		20.960	5.312	0.000	23.110	8.536	47.930	0.791	2.687

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:44:58	0.008	-0.002	0.566	0.393	0.268	-0.005	0.049	0.185
2	03:45:41	0.030	0.018	0.647	0.075	0.631	-0.004	0.048	0.186
3	03:46:24	0.056	0.044	0.850	2.819	3.311	0.005	0.116	0.235
x		0.031	0.020	0.688	1.095	1.403	-0.001	0.071	0.202
σ		0.024	0.023	0.146	1.501	1.662	0.006	0.039	0.029
%RSD		77.560	116.800	21.240	137.000	118.400	434.600	55.120	14.280

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:44:58	0.245	1.950	1.948	-0.275	-0.667	-1.809	0.000	0.079
2	03:45:41	0.218	1.993	1.952	-0.117	-0.598	-0.783	0.000	0.099
3	03:46:24	0.229	1.789	1.953	-0.136	-0.416	-0.972	0.000	0.105
x		0.231	1.911	1.951	-0.176	-0.561	-1.188	0.000	0.094
σ		0.013	0.107	0.003	0.087	0.130	0.546	0.000	0.013
%RSD		5.734	5.616	0.132	49.150	23.140	45.960	0.000	13.990

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:44:58	81.120%	0.062	0.072	92.081%	-0.004	-0.001	-0.012	-0.007
2	03:45:41	82.723%	0.053	0.044	93.176%	-0.001	-0.004	-0.033	-0.011
3	03:46:24	81.687%	0.028	0.066	92.318%	0.004	0.002	-0.018	0.005
x		81.843%	0.048	0.061	92.525%	-0.001	-0.001	-0.021	-0.004
σ		0.813%	0.018	0.015	0.576%	0.004	0.003	0.011	0.009
%RSD		0.993	37.300	24.390	0.622	645.700	258.200	49.630	196.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:44:58	85.063%	0.087	0.000	-0.005	0.070	0.056	85.306%	86.386%
2	03:45:41	87.722%	0.079	-0.009	-0.000	0.062	0.068	87.407%	87.878%
3	03:46:24	86.695%	0.068	0.004	0.012	0.099	0.080	87.013%	87.131%
x		86.493%	0.078	-0.002	0.002	0.077	0.068	86.575%	87.131%
σ		1.341%	0.010	0.007	0.009	0.020	0.012	1.117%	0.746%
%RSD		1.551	12.330	442.200	394.300	25.460	17.260	1.290	0.857

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:44:58	0.009	0.009	0.029	0.027	0.030	96.545%
2	03:45:41	0.008	0.005	0.035	0.028	0.030	98.740%
3	03:46:24	0.011	0.008	0.042	0.038	0.040	98.853%
x		0.010	0.007	0.036	0.031	0.034	98.046%
σ		0.001	0.002	0.007	0.006	0.006	1.301%
%RSD		14.150	28.990	18.370	20.230	16.490	1.327

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:53:16	56.367%	5.143	25.040	24.490	0.000	322.500	21540.000	21530.000
2	03:53:59	57.317%	4.914	27.420	25.040	0.000	328.200	21700.000	21650.000
3	03:54:42	58.117%	4.994	24.600	25.040	0.000	323.700	21480.000	21330.000
x		57.267%	5.017	25.690	24.860	0.000	324.800	21570.000	21510.000
σ		0.876%	0.116	1.520	0.322	0.000	3.023	110.300	161.700
%RSD		1.529	2.317	5.916	1.295	0.000	0.931	0.511	0.752
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:53:16	92380.000	6394.000	0.000	9151.000	3426.000	3040.000	65.628%	668.900
2	03:53:59	92970.000	6380.000	0.000	9253.000	3489.000	3090.000	65.927%	679.000
3	03:54:42	92030.000	6268.000	0.000	9114.000	3423.000	3042.000	66.120%	674.000
x		92460.000	6347.000	0.000	9172.000	3446.000	3058.000	65.892%	674.000
σ		473.100	68.930	0.000	71.860	37.290	28.220	0.248%	5.072
%RSD		0.512	1.086	0.000	0.783	1.082	0.923	0.376	0.752
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:53:16	129.500	115.400	3824.000	210400.000	211200.000	101.100	180.400	154.500
2	03:53:59	131.300	116.600	3862.000	211500.000	212800.000	101.200	183.400	156.200
3	03:54:42	129.400	116.400	3852.000	211100.000	211300.000	101.200	181.600	155.500
x		130.100	116.100	3846.000	211000.000	211800.000	101.200	181.800	155.400
σ		1.066	0.616	19.440	546.900	862.800	0.058	1.553	0.884
%RSD		0.819	0.531	0.505	0.259	0.407	0.057	0.854	0.569
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:53:16	154.100	468.500	475.600	130.800	1.102	1.917	0.000	45.190
2	03:53:59	156.900	477.700	486.300	133.400	1.185	1.579	0.000	45.930
3	03:54:42	154.200	471.700	479.000	132.100	1.347	1.942	0.000	45.900
x		155.100	472.700	480.300	132.100	1.211	1.813	0.000	45.670
σ		1.542	4.688	5.494	1.327	0.124	0.203	0.000	0.421
%RSD		0.995	0.992	1.144	1.005	10.270	11.210	0.000	0.923
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:53:16	0.000	6.553	6.609	67.975%	0.182	0.095	0.900	0.770
2	03:53:59	0.000	6.619	6.604	68.803%	0.166	0.108	0.898	0.740
3	03:54:42	0.000	6.532	6.543	69.320%	0.169	0.111	0.997	0.760
x		0.000	6.568	6.585	68.699%	0.172	0.105	0.931	0.757
σ		0.000	0.046	0.037	0.679%	0.008	0.008	0.056	0.015
%RSD		0.000	0.698	0.563	0.988	4.927	7.915	6.044	1.992
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:53:16	67.193%	2.227	0.215	0.217	532.200	531.700	80.477%	79.637%
2	03:53:59	69.213%	2.263	0.224	0.234	535.900	534.500	82.251%	81.680%
3	03:54:42	69.319%	2.277	0.205	0.205	535.100	531.400	83.226%	82.607%
x		68.575%	2.256	0.215	0.219	534.400	532.500	81.985%	81.308%
σ		1.198%	0.026	0.009	0.014	1.895	1.701	1.394%	1.519%
%RSD		1.747	1.146	4.406	6.623	0.355	0.320	1.700	1.868
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:53:16	1.281	1.243	119.900	117.800	118.600	82.000%		
2	03:53:59	1.279	1.305	123.300	120.900	121.500	82.198%		
3	03:54:42	1.288	1.287	122.400	121.100	121.400	82.767%		
x		1.283	1.278	121.900	119.900	120.500	82.322%		
σ		0.005	0.032	1.782	1.833	1.669	0.398%		
%RSD		0.356	2.501	1.462	1.528	1.385	0.484		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:31	55.635%	8.151	14.440	15.570	0.000	292.000	14450.000	14500.000
2	04:02:14	56.095%	8.715	15.870	16.190	0.000	294.900	14440.000	14490.000
3	04:02:57	56.711%	8.466	16.170	15.570	0.000	292.200	14410.000	14410.000
x		56.147%	8.444	15.490	15.780	0.000	293.000	14440.000	14470.000
σ		0.540%	0.283	0.925	0.357	0.000	1.647	22.630	51.040
%RSD		0.962	3.347	5.970	2.261	0.000	0.562	0.157	0.353

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:31	122400.000	5703.000	0.000	5898.000	7982.000	7318.000	63.337%	977.400
2	04:02:14	122800.000	5696.000	0.000	5884.000	7817.000	7317.000	63.829%	986.600
3	04:02:57	121900.000	5657.000	0.000	5889.000	8086.000	7328.000	63.389%	981.500
x		122400.000	5686.000	0.000	5890.000	7962.000	7321.000	63.518%	981.800
σ		466.000	24.900	0.000	6.977	135.900	6.037	0.271%	4.620
%RSD		0.381	0.438	0.000	0.118	1.707	0.082	0.426	0.470

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:31	292.900	133.200	39860.000	276200.000	278800.000	171.300	113.500	46.210
2	04:02:14	292.700	132.700	39580.000	274300.000	276600.000	170.300	111.900	45.990
3	04:02:57	296.300	133.200	39920.000	277600.000	279700.000	171.800	112.000	46.350
x		294.000	133.000	39790.000	276000.000	278400.000	171.200	112.400	46.180
σ		2.036	0.300	184.700	1665.000	1581.000	0.781	0.875	0.181
%RSD		0.693	0.226	0.464	0.603	0.568	0.457	0.778	0.391

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:31	46.290	394.000	402.700	122.300	5.537	5.655	0.000	51.770
2	04:02:14	46.370	397.100	403.900	121.600	6.091	5.906	0.000	52.190
3	04:02:57	46.230	400.400	406.300	122.400	5.660	5.163	0.000	51.700
x		46.300	397.200	404.300	122.100	5.763	5.575	0.000	51.890
σ		0.070	3.237	1.791	0.442	0.291	0.378	0.000	0.268
%RSD		0.151	0.815	0.443	0.362	5.049	6.775	0.000	0.516

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:31	0.000	14.130	14.280	66.524%	0.455	0.370	1.375	1.186
2	04:02:14	0.000	14.320	14.080	67.595%	0.412	0.407	1.239	1.147
3	04:02:57	0.000	14.620	13.990	67.008%	0.421	0.380	1.241	1.138
x		0.000	14.360	14.120	67.042%	0.429	0.385	1.285	1.157
σ		0.000	0.243	0.148	0.536%	0.022	0.019	0.078	0.026
%RSD		0.000	1.696	1.051	0.800	5.237	4.997	6.068	2.236

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:31	67.240%	2.046	0.211	0.208	1151.000	1142.000	76.675%	77.111%
2	04:02:14	68.617%	1.994	0.202	0.192	1150.000	1145.000	78.418%	79.038%
3	04:02:57	68.479%	2.086	0.206	0.189	1154.000	1146.000	78.668%	78.670%
x		68.112%	2.042	0.206	0.197	1152.000	1144.000	77.921%	78.273%
σ		0.758%	0.046	0.004	0.010	1.969	2.152	1.086%	1.023%
%RSD		1.113	2.251	2.177	5.157	0.171	0.188	1.393	1.307

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:31	1.948	1.998	174.400	170.000	171.100	82.351%
2	04:02:14	2.010	2.001	178.800	172.700	175.600	82.428%
3	04:02:57	2.021	1.996	179.700	174.300	176.100	82.220%
x		1.993	1.998	177.700	172.300	174.300	82.333%
σ		0.039	0.003	2.869	2.187	2.762	0.105%
%RSD		1.972	0.130	1.615	1.269	1.584	0.128

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:43	54.367%	6.910	18.790	18.140	0.000	333.300	19630.000	19610.000
2	04:10:26	55.856%	6.742	18.260	17.680	0.000	333.100	19600.000	19430.000
3	04:11:09	55.500%	6.776	18.130	17.790	0.000	335.900	19650.000	19580.000
x		55.241%	6.809	18.390	17.870	0.000	334.100	19630.000	19540.000
σ		0.778%	0.089	0.352	0.238	0.000	1.581	23.090	96.130
%RSD		1.408	1.304	1.913	1.334	0.000	0.473	0.118	0.492

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:43	142700.000	6050.000	0.000	7912.000	5726.000	5342.000	62.727%	1261.000
2	04:10:26	141300.000	5969.000	0.000	7896.000	5820.000	5303.000	64.045%	1257.000
3	04:11:09	142300.000	6047.000	0.000	7899.000	5676.000	5359.000	64.904%	1263.000
x		142100.000	6022.000	0.000	7902.000	5741.000	5335.000	63.892%	1260.000
σ		706.500	46.000	0.000	8.716	73.270	28.700	1.096%	3.130
%RSD		0.497	0.764	0.000	0.110	1.276	0.538	1.716	0.248

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:43	275.800	156.200	8200.000	276600.000	278700.000	84.000	110.200	72.210
2	04:10:26	276.800	156.900	8182.000	274400.000	277000.000	84.570	109.200	71.050
3	04:11:09	277.300	154.900	8117.000	272500.000	276500.000	83.440	109.700	71.830
x		276.600	156.000	8166.000	274500.000	277400.000	84.010	109.700	71.700
σ		0.759	1.037	43.910	2057.000	1149.000	0.568	0.518	0.590
%RSD		0.274	0.665	0.538	0.749	0.414	0.675	0.472	0.823

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:43	71.320	416.600	422.300	115.800	5.722	5.942	0.000	47.270
2	04:10:26	70.380	418.700	425.500	115.200	5.868	5.956	0.000	48.230
3	04:11:09	70.350	417.600	425.200	116.100	5.917	5.899	0.000	48.000
x		70.690	417.600	424.300	115.700	5.836	5.932	0.000	47.830
σ		0.550	1.045	1.788	0.458	0.101	0.030	0.000	0.505
%RSD		0.778	0.250	0.421	0.396	1.736	0.504	0.000	1.056

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:43	0.000	10.750	10.810	66.085%	0.355	0.322	0.555	0.444
2	04:10:26	0.000	10.790	10.910	67.451%	0.334	0.323	0.669	0.527
3	04:11:09	0.000	11.110	10.990	67.925%	0.353	0.344	0.544	0.425
x		0.000	10.880	10.910	67.154%	0.347	0.330	0.589	0.465
σ		0.000	0.197	0.086	0.955%	0.012	0.013	0.069	0.054
%RSD		0.000	1.813	0.788	1.423	3.320	3.795	11.740	11.650

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:43	66.504%	2.378	0.152	0.119	690.400	688.600	77.000%	77.047%
2	04:10:26	68.661%	2.509	0.144	0.157	688.800	685.200	79.437%	79.629%
3	04:11:09	68.431%	2.372	0.149	0.140	695.800	694.800	80.075%	80.466%
x		67.866%	2.420	0.148	0.138	691.700	689.500	78.837%	79.047%
σ		1.185%	0.077	0.004	0.019	3.695	4.848	1.623%	1.782%
%RSD		1.746	3.202	2.661	13.620	0.534	0.703	2.058	2.254

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:43	1.408	1.469	132.800	129.100	130.800	81.921%
2	04:10:26	1.450	1.499	134.300	130.300	132.000	83.437%
3	04:11:09	1.528	1.477	136.000	132.600	134.000	83.919%
x		1.462	1.482	134.400	130.700	132.200	83.092%
σ		0.061	0.016	1.574	1.793	1.596	1.043%
%RSD		4.153	1.061	1.171	1.372	1.207	1.255

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:55	76.715%	-0.045	-0.772	-0.581	0.000	-16.360	6.102	5.962
2	04:18:38	77.711%	-0.045	-0.967	-0.679	0.000	-15.570	6.075	5.634
3	04:19:21	77.806%	-0.013	-0.786	-0.675	0.000	-15.860	6.441	6.347
x		77.411%	-0.034	-0.841	-0.645	0.000	-15.930	6.206	5.981
σ		0.604%	0.019	0.109	0.056	0.000	0.398	0.204	0.357
%RSD		0.781	54.320	12.920	8.632	0.000	2.498	3.287	5.966
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:55	7.365	-254.000	0.000	-33.730	19.970	-14.120	91.776%	0.302
2	04:18:38	7.222	-244.900	0.000	-34.940	18.710	-15.270	93.375%	0.216
3	04:19:21	10.650	-236.400	0.000	-36.950	20.300	-14.200	93.761%	0.214
x		8.412	-245.100	0.000	-35.210	19.660	-14.530	92.971%	0.244
σ		1.939	8.778	0.000	1.624	0.839	0.643	1.052%	0.050
%RSD		23.050	3.581	0.000	4.613	4.268	4.428	1.132	20.580
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:55	0.052	0.080	0.553	22.640	11.940	-0.015	-0.031	0.017
2	04:18:38	0.075	0.098	0.588	21.370	11.100	-0.012	-0.002	0.018
3	04:19:21	0.047	0.109	0.869	27.520	17.210	-0.011	-0.048	0.004
x		0.058	0.096	0.670	23.840	13.420	-0.012	-0.027	0.013
σ		0.015	0.015	0.173	3.244	3.314	0.002	0.023	0.008
%RSD		26.080	15.260	25.840	13.600	24.700	17.710	86.680	57.150
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:55	0.005	0.316	0.302	-0.389	-0.953	-2.365	0.000	0.054
2	04:18:38	0.012	0.341	0.347	-0.283	-1.171	-1.764	0.000	0.052
3	04:19:21	0.064	0.335	0.235	-0.462	-0.777	-2.681	0.000	0.064
x		0.027	0.331	0.295	-0.378	-0.967	-2.270	0.000	0.057
σ		0.032	0.013	0.056	0.090	0.198	0.466	0.000	0.006
%RSD		119.800	3.906	19.040	23.860	20.440	20.530	0.000	11.320
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:55	87.879%	-0.120	-0.126	76.826%	-0.004	-0.009	0.011	-0.004
2	04:18:38	89.706%	-0.154	-0.127	78.087%	-0.009	-0.006	-0.021	-0.019
3	04:19:21	90.301%	-0.136	-0.117	78.322%	-0.005	-0.007	-0.049	-0.022
x		89.295%	-0.137	-0.123	77.745%	-0.006	-0.007	-0.020	-0.015
σ		1.262%	0.017	0.005	0.804%	0.002	0.001	0.030	0.010
%RSD		1.413	12.380	4.460	1.035	37.780	16.150	150.700	66.420
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:55	73.544%	3.445	-0.012	-0.017	0.193	0.184	77.990%	79.038%
2	04:18:38	75.652%	2.614	-0.015	-0.018	0.211	0.174	80.355%	81.112%
3	04:19:21	76.100%	2.751	-0.015	-0.019	0.162	0.238	80.703%	81.581%
x		75.099%	2.937	-0.014	-0.018	0.189	0.199	79.683%	80.577%
σ		1.365%	0.446	0.002	0.001	0.025	0.034	1.476%	1.353%
%RSD		1.817	15.180	14.980	6.037	13.070	17.290	1.852	1.680
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:17:55	-0.005	-0.010	0.019	0.019	0.019	90.682%		
2	04:18:38	-0.008	-0.010	0.021	0.026	0.019	91.677%		
3	04:19:21	-0.010	-0.011	0.024	0.018	0.024	92.169%		
x		-0.008	-0.010	0.021	0.021	0.021	91.509%		
σ		0.002	0.001	0.002	0.004	0.003	0.758%		
%RSD		30.220	8.929	11.120	19.340	12.760	0.828		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:08	57.050%	49.570	937.100	942.600	0.000	47860.000	48250.000	48340.000
2	04:26:51	58.198%	48.510	954.500	960.000	0.000	48040.000	48180.000	48240.000
3	04:27:34	57.895%	48.540	958.700	969.800	0.000	47900.000	47860.000	47910.000
x		57.714%	48.880	950.100	957.500	0.000	47930.000	48090.000	48160.000
σ		0.595%	0.603	11.470	13.770	0.000	93.750	209.300	227.800
%RSD		1.031	1.234	1.208	1.438	0.000	0.196	0.435	0.473

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:08	2022.000	4322.000	0.000	48520.000	47720.000	48920.000	59.754%	943.500
2	04:26:51	2034.000	4324.000	0.000	48980.000	48240.000	49260.000	60.979%	958.300
3	04:27:34	2012.000	4298.000	0.000	48520.000	48010.000	48840.000	61.440%	945.200
x		2023.000	4314.000	0.000	48680.000	47990.000	49010.000	60.724%	949.000
σ		11.090	14.300	0.000	264.700	263.500	223.800	0.872%	8.100
%RSD		0.548	0.331	0.000	0.544	0.549	0.457	1.436	0.854

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:08	482.000	188.900	443.300	1050.000	983.000	469.400	473.100	244.900
2	04:26:51	483.300	188.700	448.700	1047.000	992.900	470.900	474.900	248.800
3	04:27:34	476.100	186.200	441.300	1030.000	977.400	466.300	467.100	245.000
x		480.500	187.900	444.400	1042.000	984.400	468.900	471.700	246.200
σ		3.837	1.488	3.857	10.740	7.832	2.342	4.084	2.184
%RSD		0.798	0.792	0.868	1.031	0.796	0.500	0.866	0.887

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:08	243.700	463.400	463.200	34.320	8.330	10.650	0.000	1036.000
2	04:26:51	246.700	467.800	472.100	35.830	8.549	11.890	0.000	1045.000
3	04:27:34	241.300	463.700	464.200	34.590	8.252	10.850	0.000	1033.000
x		243.900	465.000	466.500	34.920	8.377	11.130	0.000	1038.000
σ		2.732	2.508	4.912	0.807	0.154	0.666	0.000	6.357
%RSD		1.120	0.539	1.053	2.312	1.840	5.988	0.000	0.612

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:08	62.998%	954.300	947.200	64.917%	44.970	45.490	46.120	35.160
2	04:26:51	64.042%	970.400	973.600	65.496%	46.130	46.700	47.740	35.720
3	04:27:34	64.674%	956.200	957.800	66.002%	45.540	45.720	46.460	34.900
x		63.905%	960.300	959.500	65.472%	45.540	45.970	46.770	35.260
σ		0.847%	8.833	13.290	0.543%	0.581	0.640	0.854	0.416
%RSD		1.325	0.920	1.385	0.829	1.275	1.392	1.826	1.180

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:08	62.985%	2210.000	461.700	461.400	1875.000	1883.000	70.314%	71.223%
2	04:26:51	64.355%	2224.000	469.500	467.800	1903.000	1898.000	72.437%	73.057%
3	04:27:34	65.186%	2191.000	462.300	461.400	1888.000	1880.000	72.893%	73.929%
x		64.175%	2208.000	464.500	463.500	1889.000	1887.000	71.881%	72.737%
σ		1.111%	16.430	4.318	3.727	13.980	9.694	1.376%	1.381%
%RSD		1.731	0.744	0.930	0.804	0.740	0.514	1.915	1.899

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:08	44.040	44.130	17.510	18.950	18.090	77.604%
2	04:26:51	45.520	45.380	17.770	19.600	18.550	78.466%
3	04:27:34	45.490	45.200	17.940	19.860	18.620	78.634%
x		45.020	44.910	17.740	19.470	18.420	78.234%
σ		0.845	0.677	0.222	0.473	0.290	0.552%
%RSD		1.877	1.507	1.249	2.427	1.573	0.706

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:34:22	52.909%	3.950	62.980	60.710	0.000	401.900	16630.000	16600.000
2	04:35:04	53.902%	4.009	61.830	58.610	0.000	404.400	16510.000	16570.000
3	04:35:47	54.114%	3.822	60.710	61.330	0.000	411.500	16790.000	16750.000
x		53.642%	3.927	61.840	60.220	0.000	406.000	16650.000	16640.000
σ		0.643%	0.096	1.135	1.426	0.000	4.959	141.900	99.860
%RSD		1.199	2.440	1.835	2.369	0.000	1.221	0.853	0.600
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:34:22	72060.000	12330.000	0.000	9339.000	15940.000	14180.000	59.526%	908.500
2	04:35:04	71770.000	12180.000	0.000	9325.000	16200.000	14240.000	60.658%	912.600
3	04:35:47	72490.000	12190.000	0.000	9427.000	16350.000	14410.000	60.884%	921.600
x		72110.000	12230.000	0.000	9364.000	16160.000	14280.000	60.356%	914.200
σ		364.100	82.830	0.000	55.510	208.400	122.200	0.728%	6.674
%RSD		0.505	0.677	0.000	0.593	1.289	0.856	1.206	0.730
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:34:22	164.600	168.100	4324.000	127200.000	126100.000	52.090	174.800	129.900
2	04:35:04	161.800	167.400	4295.000	126000.000	125200.000	51.670	170.700	128.900
3	04:35:47	163.700	170.100	4349.000	128200.000	127300.000	52.370	173.600	129.200
x		163.400	168.500	4323.000	127100.000	126200.000	52.040	173.100	129.400
σ		1.384	1.439	26.960	1110.000	1036.000	0.354	2.100	0.535
%RSD		0.847	0.854	0.624	0.873	0.821	0.680	1.213	0.414
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:34:22	127.400	482.600	489.900	1458.000	4.055	3.709	0.000	4609.000
2	04:35:04	127.500	482.700	486.600	1458.000	3.337	3.489	0.000	4639.000
3	04:35:47	129.100	493.900	497.900	1477.000	4.041	3.852	0.000	4710.000
x		128.000	486.400	491.500	1464.000	3.811	3.683	0.000	4653.000
σ		0.931	6.524	5.830	11.030	0.410	0.183	0.000	51.910
%RSD		0.727	1.341	1.186	0.753	10.760	4.969	0.000	1.116
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:34:22	0.000	664.700	662.000	63.828%	0.470	0.423	2.125	2.059
2	04:35:04	0.000	670.600	669.200	64.713%	0.485	0.447	2.138	2.005
3	04:35:47	0.000	684.000	683.800	64.693%	0.493	0.462	2.039	2.004
x		0.000	673.100	671.700	64.411%	0.483	0.444	2.101	2.023
σ		0.000	9.864	11.090	0.505%	0.012	0.020	0.054	0.032
%RSD		0.000	1.465	1.652	0.784	2.438	4.530	2.565	1.559
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:34:22	63.322%	5.360	0.828	0.877	425.800	422.300	72.772%	73.114%
2	04:35:04	65.040%	4.875	0.858	0.844	428.800	428.000	75.037%	75.973%
3	04:35:47	65.253%	4.509	0.881	0.898	432.400	429.900	75.324%	76.372%
x		64.538%	4.915	0.856	0.873	429.000	426.700	74.378%	75.153%
σ		1.059%	0.427	0.026	0.027	3.276	3.922	1.398%	1.777%
%RSD		1.641	8.685	3.073	3.124	0.764	0.919	1.880	2.365
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:34:22	1.020	1.004	303.700	305.200	305.200	78.185%		
2	04:35:04	1.029	1.005	310.500	309.800	310.900	79.470%		
3	04:35:47	1.041	1.033	313.600	315.500	315.100	80.042%		
x		1.030	1.014	309.300	310.200	310.400	79.232%		
σ		0.010	0.017	5.042	5.147	4.973	0.951%		
%RSD		1.016	1.628	1.630	1.660	1.602	1.201		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:42:34	56.467%	0.764	13.580	13.420	0.000	86.100	3037.000	3059.000
2	04:43:17	56.635%	0.664	12.770	12.930	0.000	86.930	3030.000	3025.000
3	04:44:00	56.545%	0.793	12.450	13.240	0.000	89.120	3024.000	3037.000
x		56.549%	0.741	12.930	13.190	0.000	87.390	3030.000	3040.000
σ		0.084%	0.068	0.581	0.247	0.000	1.559	6.232	16.810
%RSD		0.149	9.129	4.495	1.869	0.000	1.784	0.206	0.553
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:42:34	14730.000	2688.000	0.000	1983.000	3351.000	2973.000	61.651%	186.300
2	04:43:17	14540.000	2121.000	0.000	1961.000	3333.000	2889.000	62.043%	186.200
3	04:44:00	14620.000	2160.000	0.000	1980.000	3273.000	2883.000	61.150%	188.200
x		14630.000	2323.000	0.000	1975.000	3319.000	2915.000	61.614%	186.900
σ		96.060	317.000	0.000	11.600	40.910	50.500	0.448%	1.119
%RSD		0.657	13.650	0.000	0.587	1.233	1.732	0.726	0.599
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:42:34	32.640	33.950	879.900	25830.000	23110.000	10.420	35.510	25.810
2	04:43:17	32.120	34.090	875.900	25590.000	22890.000	10.310	35.250	25.970
3	04:44:00	33.210	34.370	877.100	25840.000	23120.000	10.480	34.580	26.290
x		32.660	34.130	877.600	25750.000	23040.000	10.400	35.110	26.030
σ		0.544	0.212	2.070	143.500	129.900	0.087	0.480	0.244
%RSD		1.665	0.622	0.236	0.557	0.564	0.838	1.368	0.936
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:42:34	25.730	98.650	99.380	287.800	0.313	-0.286	0.000	888.200
2	04:43:17	26.060	98.170	99.180	290.100	0.329	-1.184	0.000	887.600
3	04:44:00	26.380	99.070	99.770	291.500	0.407	-0.774	0.000	888.800
x		26.060	98.630	99.440	289.800	0.349	-0.748	0.000	888.200
σ		0.322	0.450	0.301	1.860	0.051	0.450	0.000	0.619
%RSD		1.234	0.457	0.302	0.642	14.480	60.100	0.000	0.070
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:42:34	69.406%	127.700	129.200	65.059%	0.090	0.076	0.394	0.384
2	04:43:17	69.820%	129.200	131.100	65.110%	0.103	0.094	0.357	0.323
3	04:44:00	69.369%	130.800	132.500	64.878%	0.101	0.080	0.359	0.388
x		69.532%	129.200	130.900	65.016%	0.098	0.083	0.370	0.365
σ		0.250%	1.537	1.651	0.122%	0.007	0.010	0.021	0.037
%RSD		0.360	1.190	1.261	0.187	7.402	11.490	5.597	10.080
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:42:34	66.372%	0.846	0.172	0.183	87.390	87.270	72.725%	73.647%
2	04:43:17	67.256%	0.875	0.168	0.152	86.880	85.960	73.966%	74.479%
3	04:44:00	67.239%	0.846	0.168	0.169	85.750	85.700	73.671%	74.589%
x		66.956%	0.856	0.169	0.168	86.670	86.310	73.454%	74.238%
σ		0.506%	0.017	0.002	0.016	0.844	0.845	0.649%	0.515%
%RSD		0.756	1.951	1.393	9.315	0.973	0.979	0.883	0.694
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:42:34	0.188	0.195	61.410	61.180	61.320	81.064%		
2	04:43:17	0.195	0.197	62.380	62.560	62.600	80.379%		
3	04:44:00	0.204	0.197	62.790	62.580	62.860	80.048%		
x		0.196	0.196	62.190	62.110	62.260	80.497%		
σ		0.008	0.001	0.704	0.802	0.827	0.518%		
%RSD		4.059	0.693	1.132	1.292	1.328	0.644		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:50:46	51.865%	4.446	62.250	57.210	0.000	399.300	16950.000	16990.000
2	04:51:29	52.625%	4.171	63.180	58.380	0.000	399.900	17050.000	17020.000
3	04:52:12	54.991%	3.751	56.990	55.850	0.000	377.400	16170.000	16170.000
x		53.161%	4.123	60.800	57.150	0.000	392.200	16720.000	16730.000
σ		1.631%	0.350	3.340	1.264	0.000	12.830	480.000	481.500
%RSD		3.067	8.490	5.493	2.212	0.000	3.272	2.871	2.878

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:50:46	79520.000	13900.000	0.000	10180.000	16950.000	14990.000	59.910%	1018.000
2	04:51:29	79490.000	13910.000	0.000	10240.000	17170.000	15150.000	61.108%	1023.000
3	04:52:12	75720.000	13140.000	0.000	9787.000	16500.000	14650.000	62.174%	974.900
x		78240.000	13650.000	0.000	10070.000	16870.000	14930.000	61.064%	1005.000
σ		2187.000	439.700	0.000	244.500	343.400	258.800	1.133%	26.520
%RSD		2.794	3.221	0.000	2.429	2.035	1.734	1.855	2.638

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:50:46	175.800	162.800	4960.000	134600.000	133900.000	56.220	167.200	121.600
2	04:51:29	175.000	162.500	4980.000	134500.000	134200.000	56.130	166.900	121.800
3	04:52:12	167.500	157.500	4779.000	129200.000	128700.000	54.070	159.200	116.000
x		172.800	160.900	4907.000	132700.000	132300.000	55.470	164.400	119.800
σ		4.565	2.990	110.600	3108.000	3071.000	1.214	4.547	3.297
%RSD		2.642	1.858	2.254	2.341	2.321	2.188	2.766	2.752

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:50:46	121.800	499.100	509.900	1551.000	4.000	3.085	0.000	5120.000
2	04:51:29	121.200	500.100	507.000	1557.000	3.597	2.468	0.000	5099.000
3	04:52:12	114.500	481.300	488.100	1495.000	3.802	3.284	0.000	4934.000
x		119.200	493.500	501.700	1534.000	3.799	2.946	0.000	5051.000
σ		4.038	10.580	11.850	34.000	0.202	0.426	0.000	101.800
%RSD		3.389	2.144	2.363	2.216	5.304	14.450	0.000	2.015

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:50:46	0.000	716.400	718.400	63.824%	0.498	0.402	2.172	1.994
2	04:51:29	0.000	726.000	727.200	64.935%	0.463	0.431	2.121	2.092
3	04:52:12	0.000	699.200	697.800	66.647%	0.448	0.437	2.127	1.898
x		0.000	713.900	714.500	65.135%	0.469	0.423	2.140	1.995
σ		0.000	13.560	15.050	1.422%	0.026	0.019	0.028	0.097
%RSD		0.000	1.900	2.107	2.183	5.450	4.457	1.292	4.869

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:50:46	63.657%	3.205	0.851	0.793	460.400	464.200	73.336%	74.388%
2	04:51:29	65.747%	3.069	0.824	0.845	464.200	458.900	75.794%	76.459%
3	04:52:12	67.149%	3.104	0.797	0.853	446.800	445.800	77.712%	78.720%
x		65.518%	3.126	0.824	0.830	457.100	456.300	75.614%	76.522%
σ		1.757%	0.071	0.027	0.033	9.142	9.514	2.193%	2.166%
%RSD		2.682	2.265	3.270	3.932	2.000	2.085	2.901	2.831

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:50:46	1.121	1.074	277.900	277.800	277.300	80.334%
2	04:51:29	1.122	1.100	283.800	284.800	285.000	80.957%
3	04:52:12	1.123	1.078	273.700	274.300	274.400	82.587%
x		1.122	1.084	278.500	278.900	278.900	81.293%
σ		0.001	0.014	5.069	5.337	5.456	1.163%
%RSD		0.096	1.332	1.820	1.913	1.956	1.431

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:58:56	50.298%	53.300	1048.000	1047.000	0.000	49010.000	66080.000	65990.000
2	04:59:40	50.328%	53.260	1059.000	1070.000	0.000	49420.000	66500.000	66510.000
3	05:00:23	51.328%	52.130	1063.000	1058.000	0.000	48600.000	65670.000	65520.000
x		50.652%	52.900	1057.000	1058.000	0.000	49010.000	66080.000	66010.000
σ		0.586%	0.661	7.782	11.490	0.000	410.300	416.900	495.400
%RSD		1.157	1.249	0.737	1.086	0.000	0.837	0.631	0.750

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:58:56	116000.000	17990.000	0.000	62590.000	61080.000	62940.000	58.880%	2097.000
2	04:59:40	116300.000	17970.000	0.000	62840.000	61680.000	62960.000	59.862%	2071.000
3	05:00:23	114900.000	17720.000	0.000	62620.000	61550.000	63130.000	60.266%	2075.000
x		115700.000	17890.000	0.000	62690.000	61440.000	63010.000	59.669%	2081.000
σ		744.100	147.600	0.000	137.700	320.200	106.200	0.713%	14.200
%RSD		0.643	0.825	0.000	0.220	0.521	0.169	1.195	0.682

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:58:56	674.100	384.500	4578.000	117600.000	116900.000	493.700	609.500	335.300
2	04:59:40	673.300	383.400	4580.000	117100.000	116800.000	493.800	607.800	337.200
3	05:00:23	675.200	382.600	4576.000	117300.000	116300.000	494.200	606.100	336.800
x		674.200	383.500	4578.000	117300.000	116700.000	493.900	607.800	336.400
σ		0.970	0.999	2.340	240.100	320.800	0.261	1.738	0.966
%RSD		0.144	0.260	0.051	0.205	0.275	0.053	0.286	0.287

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:58:56	332.500	945.700	960.200	1312.000	12.420	12.500	0.000	5740.000
2	04:59:40	335.500	952.300	969.000	1316.000	12.600	11.740	0.000	5797.000
3	05:00:23	334.100	950.900	957.200	1311.000	12.070	12.510	0.000	5756.000
x		334.000	949.600	962.100	1313.000	12.360	12.250	0.000	5765.000
σ		1.482	3.458	6.133	2.562	0.269	0.442	0.000	29.620
%RSD		0.444	0.364	0.637	0.195	2.175	3.604	0.000	0.514

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:58:56	0.000	1505.000	1509.000	61.688%	44.900	45.510	48.330	45.970
2	04:59:40	0.000	1535.000	1539.000	61.828%	45.160	44.860	48.010	45.800
3	05:00:23	0.000	1531.000	1533.000	62.402%	45.330	45.710	47.910	45.690
x		0.000	1524.000	1527.000	61.972%	45.130	45.360	48.080	45.820
σ		0.000	16.290	15.650	0.378%	0.215	0.447	0.221	0.142
%RSD		0.000	1.070	1.025	0.610	0.476	0.985	0.459	0.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:58:56	62.207%	1061.000	247.400	244.400	2327.000	2325.000	71.808%	72.787%
2	04:59:40	63.937%	1065.000	247.000	247.500	2327.000	2319.000	74.017%	74.957%
3	05:00:23	64.079%	1073.000	247.700	248.700	2326.000	2319.000	74.623%	75.369%
x		63.408%	1067.000	247.400	246.900	2327.000	2321.000	73.483%	74.371%
σ		1.042%	5.958	0.381	2.215	0.901	3.581	1.482%	1.387%
%RSD		1.644	0.559	0.154	0.897	0.039	0.154	2.016	1.865

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:58:56	45.480	45.270	280.500	282.300	281.100	77.218%
2	04:59:40	46.270	45.990	285.400	287.700	286.700	78.279%
3	05:00:23	46.150	45.970	285.900	289.100	288.200	78.674%
x		45.960	45.740	283.900	286.400	285.300	78.057%
σ		0.428	0.408	2.958	3.605	3.747	0.753%
%RSD		0.931	0.893	1.042	1.259	1.313	0.965

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:07:08	50.037%	59.000	1133.000	1135.000	0.000	52700.000	68430.000	68080.000
2	05:07:51	50.867%	57.720	1149.000	1135.000	0.000	52070.000	67460.000	67510.000
3	05:08:34	52.121%	54.940	1138.000	1131.000	0.000	51900.000	67220.000	67080.000
x		51.008%	57.220	1140.000	1134.000	0.000	52220.000	67700.000	67560.000
σ		1.049%	2.076	8.179	2.316	0.000	424.200	638.200	499.600
%RSD		2.057	3.628	0.717	0.204	0.000	0.812	0.943	0.740

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:07:08	72560.000	22030.000	0.000	59370.000	64040.000	66230.000	58.314%	1873.000
2	05:07:51	72010.000	21810.000	0.000	59840.000	64180.000	66170.000	59.258%	1853.000
3	05:08:34	71730.000	21570.000	0.000	59550.000	64600.000	66390.000	59.594%	1868.000
x		72100.000	21800.000	0.000	59580.000	64280.000	66260.000	59.055%	1865.000
σ		420.000	227.000	0.000	238.600	290.900	116.100	0.664%	10.810
%RSD		0.583	1.041	0.000	0.400	0.453	0.175	1.124	0.580

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:07:08	662.100	360.200	4674.000	123000.000	122200.000	549.600	664.000	372.500
2	05:07:51	662.000	358.500	4664.000	122300.000	122200.000	548.900	660.600	372.700
3	05:08:34	662.900	359.900	4668.000	122500.000	121700.000	548.100	659.900	372.300
x		662.300	359.500	4669.000	122600.000	122000.000	548.900	661.500	372.500
σ		0.490	0.916	5.115	382.500	237.700	0.729	2.228	0.198
%RSD		0.074	0.255	0.110	0.312	0.195	0.133	0.337	0.053

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:07:08	368.000	947.300	962.100	1467.000	13.840	14.690	0.000	5633.000
2	05:07:51	369.400	955.800	969.300	1471.000	13.900	14.430	0.000	5662.000
3	05:08:34	366.400	956.700	963.900	1470.000	14.390	12.990	0.000	5684.000
x		367.900	953.300	965.100	1469.000	14.040	14.030	0.000	5660.000
σ		1.540	5.171	3.765	2.402	0.300	0.917	0.000	25.430
%RSD		0.418	0.542	0.390	0.164	2.135	6.536	0.000	0.449

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:07:08	0.000	1676.000	1672.000	61.442%	50.690	50.890	52.750	40.180
2	05:07:51	0.000	1689.000	1688.000	62.220%	50.860	51.590	52.200	39.330
3	05:08:34	0.000	1695.000	1699.000	62.962%	50.880	51.200	52.810	41.010
x		0.000	1687.000	1686.000	62.208%	50.810	51.230	52.590	40.180
σ		0.000	9.701	13.520	0.760%	0.102	0.353	0.332	0.843
%RSD		0.000	0.575	0.802	1.223	0.201	0.688	0.631	2.097

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:07:08	61.670%	2307.000	482.100	483.900	2429.000	2403.000	71.940%	72.530%
2	05:07:51	63.148%	2300.000	488.900	489.700	2425.000	2410.000	73.835%	75.060%
3	05:08:34	63.078%	2325.000	498.300	498.800	2447.000	2435.000	74.547%	75.990%
x		62.632%	2311.000	489.800	490.800	2434.000	2416.000	73.441%	74.527%
σ		0.834%	12.920	8.110	7.545	11.930	16.850	1.348%	1.791%
%RSD		1.332	0.559	1.656	1.537	0.490	0.697	1.835	2.403

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:07:08	49.750	49.550	315.400	316.500	316.800	76.353%
2	05:07:51	50.630	50.500	319.600	321.400	321.500	77.529%
3	05:08:34	50.590	50.700	322.300	324.200	323.500	78.318%
x		50.320	50.250	319.100	320.700	320.600	77.400%
σ		0.496	0.613	3.461	3.898	3.421	0.989%
%RSD		0.986	1.221	1.085	1.215	1.067	1.278

CCV 781130 4/11/2013 5:14:37 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:15:20	58.263%	102.900	109.900	111.000	0.000	50790.000	51200.000	51210.000
2	05:16:03	60.073%	102.600	110.200	110.300	0.000	50100.000	50510.000	50380.000
3	05:16:46	59.375%	102.500	110.100	115.700	0.000	50990.000	51470.000	51590.000
x		59.237%	102.665%	110.109%	112.314%	0.000	101.247%	102.121%	102.120%
σ		0.913%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.542	0.189	0.145	2.616	0.000	0.921	0.975	1.211
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:15:20	500.100	5516.000	0.000	51940.000	49690.000	51970.000	59.812%	102.700
2	05:16:03	496.800	5393.000	0.000	51840.000	49610.000	51790.000	60.285%	101.900
3	05:16:46	508.100	5504.000	0.000	52710.000	50730.000	52160.000	60.650%	100.900
x		100.338%	109.418%	0.000	104.321%	100.013%	103.946%	60.249%	101.848%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.420%	n/a
%RSD		1.164	1.237	0.000	0.912	1.249	0.351	0.698	0.914
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:15:20	100.800	100.700	481.200	26880.000	24120.000	101.600	100.500	101.600
2	05:16:03	100.100	100.500	485.100	26760.000	24250.000	100.900	101.700	101.900
3	05:16:46	101.100	101.600	483.900	26900.000	24360.000	102.300	100.800	102.500
x		100.708%	100.900%	96.682%	107.387%	96.969%	101.584%	101.031%	101.981%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.514	0.587	0.415	0.283	0.497	0.694	0.603	0.454
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:15:20	101.600	100.100	100.400	98.400	99.750	99.150	0.000	101.600
2	05:16:03	101.300	100.500	101.600	98.530	101.700	98.800	0.000	101.600
3	05:16:46	100.400	100.800	100.500	99.300	100.900	100.700	0.000	102.000
x		101.099%	100.470%	100.861%	98.742%	100.763%	99.563%	0.000	101.721%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.626	0.385	0.652	0.492	0.960	1.036	0.000	0.251
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:15:20	62.143%	99.970	99.080	65.125%	97.820	98.290	100.600	101.300
2	05:16:03	63.350%	102.900	101.400	65.653%	97.270	98.550	97.480	100.900
3	05:16:46	63.596%	104.600	103.300	65.513%	98.690	99.480	98.140	100.600
x		63.030%	102.458%	101.261%	65.430%	97.927%	98.772%	98.738%	100.942%
σ		0.778%	n/a	n/a	0.273%	n/a	n/a	n/a	n/a
%RSD		1.234	2.263	2.072	0.418	0.732	0.635	1.656	0.336
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:15:20	63.460%	102.000	101.300	101.600	101.500	102.100	69.667%	70.401%
2	05:16:03	64.991%	101.400	101.600	100.800	101.500	100.700	71.250%	72.368%
3	05:16:46	65.699%	101.800	100.300	100.700	102.100	101.400	71.650%	72.398%
x		64.716%	101.763%	101.068%	101.001%	101.697%	101.409%	70.856%	71.722%
σ		1.144%	n/a	n/a	n/a	n/a	n/a	1.048%	1.144%
%RSD		1.768	0.294	0.708	0.493	0.346	0.690	1.480	1.595
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:15:20	93.020	92.750	92.700	92.540	92.770	78.406%		
2	05:16:03	95.020	94.760	95.340	94.990	94.780	78.788%		
3	05:16:46	96.000	95.940	95.710	94.590	95.040	79.143%		
x		94.681%	94.484%	94.583%	94.037%	94.199%	78.779%		
σ		n/a	n/a	n/a	n/a	n/a	0.369%		
%RSD		1.605	1.703	1.735	1.398	1.318	0.468		

CCB6 4/11/2013 5:22:51 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:23:34	80.815%	-0.004	3.911	3.573	0.000	-4.701	3.813	3.957
2	05:24:17	82.409%	-0.005	3.254	3.430	0.000	-5.056	3.807	4.092
3	05:25:00	82.837%	-0.015	3.476	3.065	0.000	-4.189	4.456	4.502
x		82.021%	-0.008	3.547	3.356	0.000	-4.648	4.025	4.184
σ		1.065%	0.006	0.334	0.262	0.000	0.436	0.373	0.284
%RSD		1.299	82.320	9.425	7.808	0.000	9.373	9.272	6.784
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:23:34	2.904	-261.100	0.000	-2.844	12.450	-9.073	80.810%	-0.053
2	05:24:17	2.907	-267.700	0.000	-5.544	7.419	-13.600	82.145%	0.057
3	05:25:00	3.174	-246.600	0.000	-3.374	8.286	-11.820	82.657%	0.036
x		2.995	-258.500	0.000	-3.921	9.385	-11.500	81.871%	0.013
σ		0.155	10.830	0.000	1.430	2.690	2.281	0.954%	0.058
%RSD		5.187	4.190	0.000	36.480	28.670	19.840	1.165	432.700
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:23:34	0.005	-0.001	0.602	0.345	0.846	0.003	0.129	0.212
2	05:24:17	0.024	0.008	0.585	-0.582	0.830	0.004	0.141	0.205
3	05:25:00	0.056	-0.012	0.624	-0.589	2.017	0.001	0.052	0.167
x		0.028	-0.002	0.603	-0.275	1.231	0.003	0.107	0.195
σ		0.026	0.010	0.019	0.537	0.681	0.002	0.048	0.024
%RSD		91.770	621.800	3.218	195.100	55.300	56.720	45.190	12.270
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:23:34	0.213	1.854	2.065	-0.224	-0.889	-2.546	0.000	0.073
2	05:24:17	0.230	1.990	1.951	-0.225	-0.792	-2.599	0.000	0.080
3	05:25:00	0.294	1.801	2.120	-0.105	-0.568	-1.840	0.000	0.097
x		0.246	1.882	2.045	-0.185	-0.750	-2.328	0.000	0.083
σ		0.043	0.098	0.086	0.069	0.165	0.424	0.000	0.012
%RSD		17.490	5.183	4.214	37.130	21.970	18.210	0.000	14.530
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:23:34	79.685%	0.352	0.395	86.763%	-0.005	-0.004	-0.048	-0.033
2	05:24:17	81.422%	0.418	0.395	87.907%	-0.003	-0.001	-0.046	-0.028
3	05:25:00	82.587%	0.333	0.364	88.433%	-0.003	-0.002	-0.049	-0.027
x		81.232%	0.368	0.384	87.701%	-0.003	-0.002	-0.048	-0.029
σ		1.461%	0.045	0.018	0.854%	0.001	0.001	0.002	0.003
%RSD		1.798	12.150	4.678	0.974	36.850	62.220	3.741	11.620
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:23:34	79.949%	0.507	0.156	0.150	0.072	0.071	80.601%	81.226%
2	05:24:17	81.180%	0.523	0.176	0.152	0.080	0.066	82.377%	83.539%
3	05:25:00	81.594%	0.515	0.171	0.169	0.057	0.099	82.904%	84.066%
x		80.908%	0.515	0.167	0.157	0.069	0.079	81.961%	82.944%
σ		0.855%	0.008	0.010	0.010	0.012	0.018	1.207%	1.511%
%RSD		1.057	1.564	6.091	6.640	16.890	22.520	1.472	1.822
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:23:34	0.013	0.010	0.039	0.033	0.033	94.230%		
2	05:24:17	0.009	0.006	0.028	0.032	0.031	94.511%		
3	05:25:00	0.002	0.004	0.032	0.031	0.035	95.383%		
x		0.008	0.007	0.033	0.032	0.033	94.708%		
σ		0.006	0.003	0.005	0.001	0.002	0.601%		
%RSD		71.450	42.090	16.580	3.863	5.488	0.635		

CRI 787357 4/11/2013 5:31:06 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:31:49	61.545%	1.025	10.950	9.901	0.000	98.190	100.300	99.570
2	05:32:32	62.061%	1.030	10.040	10.510	0.000	100.500	99.360	103.400
3	05:33:15	61.281%	1.022	9.440	10.560	0.000	99.230	102.600	103.300
x		61.629%	102.592%	202.840%	206.480%	0.000	99.320%	100.778%	102.105%
σ		0.397%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.644	0.398	7.490	3.558	0.000	1.181	1.676	2.147
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:31:49	33.710	398.100	0.000	113.700	113.000	88.180	73.507%	4.469
2	05:32:32	33.320	399.400	0.000	111.800	100.300	98.600	73.360%	5.085
3	05:33:15	33.550	392.700	0.000	111.900	109.200	86.120	73.935%	4.969
x		111.768%	79.346%	0.000	112.477%	107.470%	90.968%	73.601%	96.818%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.299%	n/a
%RSD		0.589	0.898	0.000	0.912	6.074	7.352	0.406	6.757
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:31:49	0.932	2.043	4.716	53.240	48.010	0.483	0.989	2.052
2	05:32:32	1.030	1.953	4.799	54.250	50.010	0.483	1.077	1.986
3	05:33:15	1.052	1.973	4.720	54.320	51.580	0.495	0.895	2.108
x		100.476%	99.474%	948.960%	107.878%	99.735%	97.382%	98.689%	102.446%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		6.334	2.363	0.989	1.117	3.597	1.360	9.261	2.985
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:31:49	1.928	5.036	5.205	1.097	4.972	4.502	0.000	5.193
2	05:32:32	1.957	5.127	5.391	1.010	4.618	3.804	0.000	5.108
3	05:33:15	1.948	5.168	5.422	1.053	4.360	4.577	0.000	5.135
x		97.229%	102.208%	106.781%	105.311%	93.000%	85.888%	0.000	102.906%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.766	1.314	2.198	4.153	6.599	9.926	0.000	0.844
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:31:49	68.074%	4.245	4.170	73.715%	0.967	0.994	1.010	1.079
2	05:32:32	68.373%	4.240	4.264	74.117%	0.976	1.028	1.031	1.054
3	05:33:15	68.195%	4.428	4.452	73.627%	0.991	1.010	0.944	1.033
x		68.214%	86.092%	85.905%	73.820%	97.766%	101.053%	99.479%	105.510%
σ		0.151%	n/a	n/a	0.261%	n/a	n/a	n/a	n/a
%RSD		0.221	2.489	3.338	0.354	1.238	1.669	4.586	2.201
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:31:49	69.291%	5.178	2.035	2.031	10.130	10.430	73.360%	74.546%
2	05:32:32	69.411%	5.245	2.065	2.128	10.470	10.290	74.563%	75.692%
3	05:33:15	70.188%	5.473	2.129	2.158	10.390	10.480	74.994%	75.179%
x		69.630%	105.976%	103.812%	105.290%	103.318%	103.980%	74.306%	75.139%
σ		0.487%	n/a	n/a	n/a	n/a	n/a	0.847%	0.574%
%RSD		0.699	2.913	2.337	3.158	1.723	0.952	1.140	0.764
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:31:49	0.940	0.928	0.967	0.959	0.952	87.117%		
2	05:32:32	0.910	0.938	0.942	0.965	0.964	86.740%		
3	05:33:15	0.937	0.921	0.953	0.974	0.977	86.726%		
x		92.863%	92.900%	95.394%	96.586%	96.444%	86.861%		
σ		n/a	n/a	n/a	n/a	n/a	0.222%		
%RSD		1.770	0.905	1.356	0.760	1.255	0.255		

CRI 787357 4/11/2013 5:39:22 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:40:05	60.428%	1.086	8.588	8.788	0.000	99.690	102.600	102.800
2	05:40:48	61.686%	0.899	9.006	9.236	0.000	98.490	101.500	100.600
3	05:41:31	61.529%	1.181	9.491	9.396	0.000	99.510	100.200	102.800
x		61.215%	105.561%	180.571%	182.802%	0.000	99.227%	101.423%	102.068%
σ		0.685%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.120	13.580	5.005	3.446	0.000	0.653	1.200	1.240
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:40:05	33.420	405.400	0.000	111.700	102.700	91.240	73.241%	4.799
2	05:40:48	33.430	393.600	0.000	111.200	97.870	90.680	74.391%	4.323
3	05:41:31	33.030	381.000	0.000	109.000	101.100	84.760	74.397%	4.455
x		110.980%	78.667%	0.000	110.640%	100.558%	88.894%	74.009%	90.514%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.666%	n/a
%RSD		0.692	3.113	0.000	1.273	2.463	4.041	0.900	5.435
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:40:05	0.930	1.905	4.765	58.510	51.930	0.500	1.051	2.055
2	05:40:48	0.896	1.968	4.760	57.030	48.240	0.514	1.066	2.081
3	05:41:31	0.899	1.920	4.783	57.830	49.830	0.492	0.895	1.977
x		90.841%	96.543%	953.811%	115.580%	100.005%	100.362%	100.408%	101.885%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.067	1.722	0.252	1.283	3.694	2.257	9.441	2.641
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:40:05	1.928	5.070	5.441	0.907	4.466	4.415	0.000	5.278
2	05:40:48	1.832	5.184	5.477	0.954	5.061	4.030	0.000	5.313
3	05:41:31	1.962	5.111	4.915	0.912	5.044	4.218	0.000	5.307
x		95.350%	102.429%	105.553%	92.429%	97.142%	84.420%	0.000	105.985%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		3.540	1.134	5.955	2.783	6.975	4.554	0.000	0.357
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:40:05	65.327%	3.980	4.055	73.116%	0.979	0.971	1.053	1.160
2	05:40:48	66.396%	4.099	4.011	73.657%	0.960	1.012	0.977	0.999
3	05:41:31	66.848%	4.292	4.182	73.884%	0.997	0.993	1.040	1.005
x		66.190%	82.469%	81.655%	73.552%	97.826%	99.210%	102.303%	105.447%
σ		0.781%	n/a	n/a	0.395%	n/a	n/a	n/a	n/a
%RSD		1.180	3.817	2.171	0.537	1.875	2.035	3.983	8.646
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:40:05	68.851%	4.983	2.056	1.983	10.590	10.430	72.774%	74.128%
2	05:40:48	70.253%	5.146	2.021	1.983	10.290	10.270	74.380%	75.402%
3	05:41:31	70.339%	5.319	2.012	2.004	10.240	10.200	75.576%	76.000%
x		69.814%	102.984%	101.472%	99.504%	103.698%	103.034%	74.243%	75.177%
σ		0.835%	n/a	n/a	n/a	n/a	n/a	1.406%	0.956%
%RSD		1.196	3.259	1.163	0.611	1.817	1.156	1.894	1.272
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:40:05	0.962	0.912	0.945	0.960	0.950	85.999%		
2	05:40:48	0.905	0.915	0.944	0.976	0.949	87.216%		
3	05:41:31	0.878	0.893	0.955	0.974	0.951	87.854%		
x		91.473%	90.661%	94.771%	97.002%	94.998%	87.023%		
σ		n/a	n/a	n/a	n/a	n/a	0.942%		
%RSD		4.702	1.321	0.632	0.906	0.067	1.083		

CCV 781130 4/11/2013 5:47:38 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:48:20	56.290%	106.600	104.400	107.200	0.000	51820.000	52170.000	52250.000
2	05:49:04	57.248%	104.800	106.300	106.900	0.000	52050.000	52130.000	51990.000
3	05:49:47	57.025%	106.600	106.500	108.000	0.000	51510.000	51890.000	51920.000
x		56.854%	106.021%	105.692%	107.366%	0.000	103.587%	104.124%	104.111%
σ		0.502%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.882	0.965	1.098	0.556	0.000	0.520	0.295	0.327
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:48:20	513.200	5666.000	0.000	52450.000	50040.000	52270.000	59.398%	102.100
2	05:49:04	511.800	5617.000	0.000	52590.000	50230.000	52480.000	59.841%	101.600
3	05:49:47	509.500	5535.000	0.000	52400.000	50320.000	52160.000	60.891%	103.200
x		102.303%	112.123%	0.000	104.959%	100.393%	104.604%	60.043%	102.281%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.767%	n/a
%RSD		0.366	1.184	0.000	0.187	0.291	0.304	1.278	0.796
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:48:20	101.700	101.300	481.700	26940.000	24190.000	101.700	102.200	102.500
2	05:49:04	101.200	100.400	482.200	26870.000	24160.000	102.400	101.500	102.400
3	05:49:47	99.880	100.400	479.000	26660.000	24110.000	101.000	100.500	101.500
x		100.927%	100.713%	96.192%	107.303%	96.611%	101.694%	101.376%	102.138%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.943	0.508	0.357	0.542	0.163	0.656	0.856	0.539
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:48:20	102.300	98.830	100.000	97.920	99.460	99.400	0.000	101.100
2	05:49:04	102.000	99.250	100.700	99.300	98.400	102.100	0.000	101.300
3	05:49:47	100.500	99.030	100.300	97.810	101.200	99.610	0.000	100.900
x		101.605%	99.035%	100.343%	98.342%	99.690%	100.375%	0.000	101.091%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.946	0.210	0.362	0.844	1.426	1.510	0.000	0.205
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:48:20	61.473%	98.770	98.770	63.581%	97.930	98.890	98.170	100.800
2	05:49:04	62.127%	101.800	101.400	64.193%	97.410	99.160	99.010	100.300
3	05:49:47	62.842%	102.600	101.900	64.820%	98.010	98.580	99.180	99.860
x		62.147%	101.062%	100.685%	64.198%	97.784%	98.876%	98.786%	100.318%
σ		0.685%	n/a	n/a	0.620%	n/a	n/a	n/a	n/a
%RSD		1.102	2.009	1.668	0.965	0.335	0.290	0.546	0.448
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:48:20	62.202%	100.500	101.200	100.600	100.900	101.700	68.568%	69.123%
2	05:49:04	63.546%	101.000	100.300	100.300	100.600	100.600	70.553%	71.104%
3	05:49:47	64.980%	100.300	99.860	99.710	101.000	100.900	70.770%	71.989%
x		63.576%	100.645%	100.471%	100.212%	100.824%	101.075%	69.964%	70.738%
σ		1.389%	n/a	n/a	n/a	n/a	n/a	1.213%	1.468%
%RSD		2.185	0.356	0.706	0.453	0.205	0.592	1.734	2.075
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:48:20	93.000	92.780	92.690	92.530	91.840	77.558%		
2	05:49:04	95.640	94.870	94.190	94.250	94.260	77.550%		
3	05:49:47	95.280	95.050	95.380	94.160	94.890	78.713%		
x		94.637%	94.235%	94.088%	93.648%	93.662%	77.940%		
σ		n/a	n/a	n/a	n/a	n/a	0.669%		
%RSD		1.510	1.336	1.433	1.032	1.721	0.858		

CCB7 4/11/2013 5:55:53 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:56:36	83.763%	-0.046	0.022	0.353	0.000	-11.620	4.047	4.029
2	05:57:20	86.126%	-0.027	0.096	0.403	0.000	-11.290	4.686	4.342
3	05:58:03	85.786%	-0.012	0.242	0.359	0.000	-10.740	4.408	5.149
x		85.225%	-0.029	0.120	0.372	0.000	-11.220	4.380	4.507
σ		1.278%	0.017	0.112	0.027	0.000	0.444	0.320	0.578
%RSD		1.499	59.770	93.500	7.323	0.000	3.955	7.308	12.830
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:56:36	2.718	-307.700	0.000	-21.500	12.550	-15.950	84.881%	0.062
2	05:57:20	2.712	-292.800	0.000	-17.810	5.052	-13.420	86.006%	0.041
3	05:58:03	2.821	-302.900	0.000	-21.080	9.265	-16.750	88.081%	0.113
x		2.750	-301.100	0.000	-20.130	8.955	-15.380	86.323%	0.072
σ		0.061	7.622	0.000	2.022	3.758	1.737	1.624%	0.037
%RSD		2.225	2.531	0.000	10.050	41.970	11.300	1.881	51.220
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:56:36	0.016	0.016	0.626	-2.025	0.042	0.003	0.100	0.174
2	05:57:20	0.039	0.005	0.619	-2.671	0.513	0.001	0.060	0.142
3	05:58:03	0.035	0.034	0.655	-3.000	-0.364	0.007	0.065	0.161
x		0.030	0.018	0.633	-2.565	0.064	0.004	0.075	0.159
σ		0.013	0.014	0.019	0.496	0.439	0.003	0.022	0.016
%RSD		41.980	78.600	3.030	19.320	691.000	89.310	28.820	9.882
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:56:36	0.216	1.881	1.939	-0.393	-1.108	-2.307	0.000	0.092
2	05:57:20	0.222	1.866	1.820	-0.396	-0.633	-2.349	0.000	0.085
3	05:58:03	0.206	1.821	1.927	-0.398	-1.037	-2.342	0.000	0.092
x		0.214	1.856	1.895	-0.396	-0.926	-2.333	0.000	0.089
σ		0.008	0.031	0.065	0.002	0.257	0.022	0.000	0.004
%RSD		3.714	1.668	3.435	0.623	27.700	0.961	0.000	4.625
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:56:36	78.237%	0.156	0.207	85.488%	-0.003	0.003	-0.038	-0.018
2	05:57:20	79.834%	0.133	0.139	86.134%	-0.001	-0.005	-0.062	-0.040
3	05:58:03	81.365%	0.125	0.085	87.843%	0.001	-0.002	-0.057	-0.032
x		79.812%	0.138	0.144	86.488%	-0.001	-0.001	-0.052	-0.030
σ		1.564%	0.016	0.061	1.217%	0.002	0.004	0.013	0.011
%RSD		1.959	11.730	42.400	1.407	199.600	341.200	23.980	36.710
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:56:36	82.861%	0.191	0.025	0.017	0.063	0.068	80.912%	81.680%
2	05:57:20	84.742%	0.202	0.023	0.020	0.062	0.078	82.182%	83.227%
3	05:58:03	86.282%	0.140	0.030	0.027	0.057	0.061	84.550%	84.732%
x		84.628%	0.178	0.026	0.021	0.061	0.069	82.548%	83.213%
σ		1.713%	0.033	0.003	0.005	0.003	0.008	1.846%	1.526%
%RSD		2.024	18.620	13.150	24.290	5.209	11.900	2.237	1.834
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:56:36	0.013	0.011	0.036	0.035	0.035	91.677%		
2	05:57:20	0.010	0.005	0.036	0.036	0.036	93.100%		
3	05:58:03	0.013	0.005	0.036	0.040	0.039	94.596%		
x		0.012	0.007	0.036	0.037	0.036	93.124%		
σ		0.001	0.003	0.000	0.003	0.002	1.460%		
%RSD		11.750	47.020	1.309	7.667	5.926	1.568		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:04:53	52.179%	4.867	31.310	32.350	0.000	375.400	13070.000	13190.000
2	06:05:36	54.077%	4.296	35.630	32.290	0.000	376.400	13110.000	13170.000
3	06:06:19	54.430%	4.544	33.640	32.830	0.000	373.700	12950.000	13010.000
x		53.562%	4.569	33.520	32.490	0.000	375.200	13040.000	13120.000
σ		1.210%	0.286	2.163	0.297	0.000	1.377	83.550	99.370
%RSD		2.260	6.269	6.453	0.914	0.000	0.367	0.640	0.757

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:04:53	85940.000	14780.000	0.000	8649.000	4895.000	4288.000	60.793%	1017.000
2	06:05:36	85840.000	14580.000	0.000	8710.000	4876.000	4397.000	61.609%	1027.000
3	06:06:19	84000.000	14330.000	0.000	8578.000	4698.000	4302.000	62.651%	1019.000
x		85260.000	14560.000	0.000	8646.000	4823.000	4329.000	61.684%	1021.000
σ		1091.000	226.100	0.000	65.740	109.100	59.390	0.931%	5.646
%RSD		1.279	1.553	0.000	0.760	2.262	1.372	1.510	0.553

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:04:53	154.400	89.120	3965.000	126900.000	126700.000	78.730	98.560	76.840
2	06:05:36	156.900	90.270	4017.000	128300.000	127500.000	80.120	99.330	76.950
3	06:06:19	154.600	88.960	3953.000	126700.000	126200.000	78.600	97.930	75.910
x		155.300	89.450	3978.000	127300.000	126800.000	79.150	98.610	76.560
σ		1.375	0.713	34.290	871.100	646.600	0.843	0.702	0.571
%RSD		0.885	0.797	0.862	0.684	0.510	1.065	0.712	0.746

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:04:53	77.400	393.900	396.100	1196.000	3.106	2.587	0.000	585.100
2	06:05:36	76.830	399.100	401.800	1218.000	3.182	2.838	0.000	603.700
3	06:06:19	75.180	396.700	399.800	1205.000	3.207	3.697	0.000	668.900
x		76.470	396.600	399.200	1206.000	3.165	3.041	0.000	619.200
σ		1.153	2.566	2.890	10.690	0.053	0.582	0.000	44.010
%RSD		1.508	0.647	0.724	0.886	1.673	19.150	0.000	7.108

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:04:53	0.000	623.700	621.500	65.095%	0.337	0.312	1.998	1.949
2	06:05:36	0.000	642.100	644.400	65.276%	0.352	0.307	1.892	1.982
3	06:06:19	0.000	636.000	634.600	66.956%	0.329	0.337	2.018	1.885
x		0.000	633.900	633.500	65.776%	0.339	0.319	1.970	1.939
σ		0.000	9.360	11.490	1.027%	0.012	0.016	0.068	0.049
%RSD		0.000	1.477	1.813	1.561	3.424	5.091	3.436	2.539

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:04:53	63.367%	2.926	0.442	0.424	671.200	673.000	73.033%	73.282%
2	06:05:36	65.087%	2.967	0.430	0.424	679.000	679.300	74.361%	74.739%
3	06:06:19	66.086%	2.877	0.448	0.396	673.900	672.300	76.177%	76.570%
x		64.847%	2.923	0.440	0.415	674.700	674.900	74.524%	74.864%
σ		1.375%	0.045	0.009	0.016	3.961	3.897	1.579%	1.647%
%RSD		2.121	1.540	2.140	3.831	0.587	0.577	2.118	2.200

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:04:53	1.112	1.117	155.700	151.300	152.500	79.752%
2	06:05:36	1.136	1.156	161.900	157.600	159.400	79.499%
3	06:06:19	1.136	1.134	161.800	158.000	159.100	80.096%
x		1.128	1.135	159.800	155.600	157.000	79.782%
σ		0.014	0.020	3.544	3.757	3.897	0.300%
%RSD		1.221	1.748	2.218	2.415	2.482	0.376

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:13:05	53.326%	3.617	57.700	55.550	0.000	387.800	14600.000	14660.000
2	06:13:48	54.761%	3.684	56.590	53.760	0.000	384.800	14340.000	14390.000
3	06:14:31	54.693%	3.556	60.160	56.000	0.000	389.000	14510.000	14520.000
x		54.260%	3.619	58.150	55.100	0.000	387.200	14480.000	14520.000
σ		0.810%	0.064	1.827	1.188	0.000	2.169	133.300	134.000
%RSD		1.492	1.762	3.142	2.156	0.000	0.560	0.921	0.923
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:13:05	71760.000	13210.000	0.000	10070.000	10120.000	9063.000	62.139%	862.800
2	06:13:48	70910.000	12990.000	0.000	9942.000	10130.000	9068.000	63.341%	861.200
3	06:14:31	71400.000	13080.000	0.000	10020.000	10260.000	8953.000	63.618%	863.100
x		71360.000	13090.000	0.000	10010.000	10170.000	9028.000	63.033%	862.400
σ		426.000	110.900	0.000	66.730	78.420	64.990	0.786%	1.030
%RSD		0.597	0.847	0.000	0.666	0.771	0.720	1.247	0.120
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:13:05	150.100	143.700	2381.000	107600.000	106800.000	42.260	146.100	118.300
2	06:13:48	150.900	143.700	2381.000	107300.000	106700.000	42.270	145.700	117.900
3	06:14:31	150.700	144.300	2386.000	106900.000	106300.000	42.250	146.400	119.100
x		150.600	143.900	2383.000	107300.000	106600.000	42.260	146.100	118.400
σ		0.415	0.332	3.070	327.500	274.600	0.010	0.333	0.586
%RSD		0.275	0.231	0.129	0.305	0.258	0.023	0.228	0.495
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:13:05	118.100	398.300	400.900	880.700	3.706	2.819	0.000	2720.000
2	06:13:48	118.500	396.000	402.600	886.500	3.064	3.345	0.000	2713.000
3	06:14:31	118.100	399.200	403.100	886.800	3.292	3.592	0.000	2734.000
x		118.200	397.800	402.200	884.700	3.354	3.252	0.000	2722.000
σ		0.229	1.645	1.121	3.462	0.326	0.395	0.000	10.650
%RSD		0.194	0.414	0.279	0.391	9.705	12.140	0.000	0.391
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:13:05	0.000	585.900	586.000	66.102%	0.457	0.393	1.844	1.843
2	06:13:48	0.000	593.300	591.400	67.098%	0.439	0.375	1.851	1.757
3	06:14:31	0.000	599.900	596.200	67.142%	0.388	0.388	1.909	1.795
x		0.000	593.100	591.200	66.780%	0.428	0.386	1.868	1.798
σ		0.000	7.009	5.090	0.588%	0.036	0.009	0.035	0.043
%RSD		0.000	1.182	0.861	0.880	8.315	2.340	1.886	2.385
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:13:05	65.080%	3.250	0.734	0.713	380.900	378.200	74.012%	74.458%
2	06:13:48	66.892%	3.164	0.747	0.740	381.700	379.800	76.329%	77.241%
3	06:14:31	67.114%	3.271	0.735	0.726	379.900	381.100	77.267%	77.332%
x		66.362%	3.228	0.739	0.726	380.900	379.700	75.869%	76.343%
σ		1.116%	0.057	0.007	0.013	0.928	1.438	1.676%	1.634%
%RSD		1.682	1.758	0.924	1.821	0.244	0.379	2.209	2.140
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:13:05	0.916	0.958	233.500	231.400	232.500	80.819%		
2	06:13:48	0.993	0.956	233.200	234.200	233.800	82.507%		
3	06:14:31	0.981	0.974	236.600	236.100	236.000	82.242%		
x		0.963	0.962	234.400	233.900	234.100	81.856%		
σ		0.042	0.010	1.905	2.326	1.780	0.908%		
%RSD		4.325	1.068	0.813	0.995	0.760	1.109		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:21:17	54.942%	1.417	61.050	56.990	0.000	244.200	5630.000	5655.000
2	06:22:00	55.546%	1.378	60.620	58.040	0.000	245.700	5665.000	5671.000
3	06:22:43	56.808%	1.325	60.090	56.850	0.000	240.400	5634.000	5651.000
x		55.765%	1.373	60.580	57.290	0.000	243.400	5643.000	5659.000
σ		0.952%	0.046	0.481	0.650	0.000	2.739	18.810	10.400
%RSD		1.707	3.354	0.794	1.135	0.000	1.125	0.333	0.184

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:21:17	24820.000	10100.000	0.000	5225.000	25570.000	23210.000	60.503%	449.100
2	06:22:00	24790.000	10050.000	0.000	5227.000	25380.000	23380.000	60.811%	456.300
3	06:22:43	24680.000	9959.000	0.000	5221.000	25840.000	23330.000	61.552%	453.500
x		24760.000	10040.000	0.000	5224.000	25600.000	23310.000	60.955%	453.000
σ		74.310	73.500	0.000	3.341	230.600	88.400	0.539%	3.626
%RSD		0.300	0.732	0.000	0.064	0.901	0.379	0.884	0.800

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:21:17	78.530	77.590	1836.000	93920.000	93470.000	24.940	95.720	76.090
2	06:22:00	77.230	77.670	1846.000	93780.000	93020.000	24.910	94.820	75.400
3	06:22:43	77.270	77.760	1843.000	93430.000	92870.000	24.830	95.670	75.890
x		77.680	77.670	1842.000	93710.000	93120.000	24.890	95.400	75.800
σ		0.740	0.083	5.203	250.000	313.500	0.057	0.506	0.356
%RSD		0.953	0.107	0.282	0.267	0.337	0.230	0.530	0.469

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:21:17	74.760	237.600	239.300	1383.000	5.344	4.456	0.000	2337.000
2	06:22:00	74.880	239.200	241.500	1401.000	4.883	4.378	0.000	2330.000
3	06:22:43	74.540	236.300	241.200	1383.000	4.966	5.594	0.000	2354.000
x		74.730	237.700	240.700	1389.000	5.065	4.809	0.000	2341.000
σ		0.174	1.438	1.160	10.370	0.246	0.681	0.000	12.360
%RSD		0.233	0.605	0.482	0.747	4.849	14.160	0.000	0.528

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:21:17	0.000	567.800	565.800	65.710%	0.368	0.359	1.598	1.542
2	06:22:00	0.000	572.900	572.300	66.625%	0.411	0.350	1.577	1.459
3	06:22:43	0.000	570.700	571.900	67.068%	0.394	0.327	1.302	1.241
x		0.000	570.500	570.000	66.468%	0.391	0.345	1.492	1.414
σ		0.000	2.551	3.608	0.692%	0.022	0.016	0.165	0.155
%RSD		0.000	0.447	0.633	1.041	5.595	4.687	11.040	10.990

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:21:17	64.479%	4.608	1.744	1.751	171.000	170.600	71.621%	72.771%
2	06:22:00	66.186%	4.482	1.668	1.738	173.400	170.600	74.113%	75.112%
3	06:22:43	66.440%	4.627	1.731	1.642	173.400	171.600	75.143%	75.729%
x		65.702%	4.572	1.714	1.711	172.600	171.000	73.626%	74.537%
σ		1.066%	0.079	0.041	0.059	1.401	0.578	1.810%	1.560%
%RSD		1.623	1.728	2.382	3.477	0.812	0.338	2.459	2.093

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:21:17	1.311	1.320	237.600	235.100	235.800	80.397%
2	06:22:00	1.364	1.288	241.300	238.700	238.600	82.472%
3	06:22:43	1.390	1.351	241.900	239.600	239.900	82.851%
x		1.355	1.320	240.200	237.800	238.100	81.907%
σ		0.040	0.032	2.325	2.346	2.068	1.321%
%RSD		2.971	2.421	0.968	0.987	0.868	1.613

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:29:30	52.111%	9.147	40.680	38.270	0.000	358.300	16140.000	16200.000
2	06:30:13	52.984%	9.471	41.210	38.270	0.000	361.700	16220.000	16220.000
3	06:30:56	52.586%	9.274	40.610	40.980	0.000	373.100	16480.000	16520.000
x		52.560%	9.297	40.840	39.170	0.000	364.400	16280.000	16310.000
σ		0.437%	0.164	0.325	1.566	0.000	7.765	179.200	181.100
%RSD		0.831	1.758	0.795	3.997	0.000	2.131	1.101	1.110
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:29:30	117500.000	13350.000	0.000	10860.000	8977.000	8134.000	59.743%	1135.000
2	06:30:13	117300.000	13270.000	0.000	10860.000	9033.000	8171.000	60.827%	1142.000
3	06:30:56	119600.000	13340.000	0.000	11130.000	9121.000	8297.000	60.847%	1155.000
x		118100.000	13320.000	0.000	10950.000	9044.000	8200.000	60.472%	1144.000
σ		1290.000	40.260	0.000	157.800	72.350	85.650	0.632%	10.190
%RSD		1.092	0.302	0.000	1.441	0.800	1.045	1.045	0.891
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:29:30	246.300	121.600	33450.000	264500.000	265700.000	220.000	147.000	82.990
2	06:30:13	246.300	121.400	33640.000	266000.000	265800.000	219.600	149.400	83.760
3	06:30:56	250.300	124.200	34100.000	270100.000	271500.000	224.000	151.800	84.950
x		247.600	122.400	33730.000	266800.000	267700.000	221.200	149.400	83.900
σ		2.293	1.565	337.400	2881.000	3290.000	2.442	2.365	0.987
%RSD		0.926	1.278	1.001	1.080	1.229	1.104	1.583	1.177
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:29:30	83.100	495.100	504.600	2150.000	5.877	5.881	0.000	1339.000
2	06:30:13	82.860	504.000	509.100	2166.000	5.852	6.183	0.000	1341.000
3	06:30:56	84.210	514.700	518.600	2205.000	5.850	6.081	0.000	1373.000
x		83.390	504.600	510.700	2174.000	5.859	6.048	0.000	1351.000
σ		0.724	9.816	7.164	28.140	0.015	0.153	0.000	19.190
%RSD		0.868	1.945	1.403	1.295	0.254	2.536	0.000	1.420
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:29:30	0.000	1365.000	1369.000	63.203%	0.399	0.310	3.013	2.794
2	06:30:13	0.000	1379.000	1378.000	64.620%	0.397	0.328	2.998	2.762
3	06:30:56	0.000	1418.000	1428.000	64.061%	0.393	0.346	3.055	3.016
x		0.000	1387.000	1392.000	63.961%	0.396	0.328	3.022	2.857
σ		0.000	27.140	31.410	0.714%	0.003	0.018	0.029	0.138
%RSD		0.000	1.957	2.257	1.116	0.867	5.585	0.971	4.845
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:29:30	62.710%	3.304	0.426	0.412	1458.000	1445.000	73.838%	73.672%
2	06:30:13	65.239%	3.193	0.414	0.455	1456.000	1449.000	76.453%	76.678%
3	06:30:56	65.456%	3.265	0.425	0.401	1479.000	1466.000	76.898%	77.369%
x		64.469%	3.254	0.421	0.423	1464.000	1453.000	75.730%	75.906%
σ		1.527%	0.056	0.007	0.028	12.700	11.250	1.653%	1.966%
%RSD		2.368	1.722	1.570	6.735	0.868	0.774	2.183	2.589
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:29:30	1.620	1.597	232.800	226.700	228.800	77.483%		
2	06:30:13	1.607	1.584	236.000	229.900	231.900	79.610%		
3	06:30:56	1.706	1.676	244.600	236.400	239.300	79.013%		
x		1.644	1.619	237.800	231.000	233.300	78.702%		
σ		0.054	0.050	6.136	4.961	5.439	1.097%		
%RSD		3.279	3.076	2.580	2.148	2.331	1.394		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:43	54.096%	6.042	52.850	53.940	0.000	1252.000	23540.000	23470.000
2	06:38:26	55.554%	5.654	54.270	54.210	0.000	1214.000	22640.000	22490.000
3	06:39:09	55.175%	5.946	57.390	54.500	0.000	1243.000	23230.000	23020.000
x		54.942%	5.881	54.840	54.210	0.000	1237.000	23140.000	22990.000
σ		0.756%	0.202	2.321	0.279	0.000	19.970	456.900	491.500
%RSD		1.376	3.438	4.233	0.514	0.000	1.615	1.975	2.138

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:43	104000.000	18630.000	0.000	12390.000	8147.000	7636.000	62.383%	984.100
2	06:38:26	99860.000	17700.000	0.000	11960.000	8013.000	7389.000	64.166%	957.500
3	06:39:09	102300.000	18080.000	0.000	12320.000	8304.000	7593.000	63.563%	983.400
x		102100.000	18140.000	0.000	12220.000	8155.000	7540.000	63.371%	975.000
σ		2095.000	469.000	0.000	228.900	145.300	132.100	0.907%	15.160
%RSD		2.052	2.586	0.000	1.873	1.782	1.752	1.431	1.555

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:43	162.400	132.400	6134.000	252600.000	253400.000	125.100	217.800	157.100
2	06:38:26	156.600	126.500	5883.000	242400.000	244700.000	120.500	208.200	152.900
3	06:39:09	160.200	129.900	6080.000	248600.000	250400.000	123.000	213.100	155.700
x		159.700	129.600	6033.000	247900.000	249500.000	122.900	213.000	155.200
σ		2.903	2.949	132.000	5094.000	4414.000	2.313	4.776	2.178
%RSD		1.817	2.275	2.187	2.055	1.769	1.882	2.242	1.403

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:43	157.000	477.000	486.600	190.000	1.820	2.132	0.000	234.300
2	06:38:26	152.300	466.600	473.600	182.300	1.732	1.718	0.000	228.800
3	06:39:09	156.100	479.300	489.300	185.100	1.851	2.171	0.000	234.500
x		155.100	474.300	483.200	185.800	1.801	2.007	0.000	232.600
σ		2.503	6.750	8.425	3.894	0.062	0.251	0.000	3.217
%RSD		1.614	1.423	1.744	2.096	3.430	12.500	0.000	1.383

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:43	0.000	321.600	322.600	64.500%	0.187	0.151	1.120	0.992
2	06:38:26	0.000	313.100	315.200	66.640%	0.194	0.141	1.192	1.069
3	06:39:09	0.000	320.000	322.400	66.666%	0.212	0.148	1.161	1.008
x		0.000	318.200	320.100	65.935%	0.198	0.147	1.158	1.023
σ		0.000	4.545	4.227	1.243%	0.013	0.005	0.036	0.041
%RSD		0.000	1.428	1.321	1.885	6.496	3.646	3.105	4.010

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:43	64.287%	2.812	0.466	0.480	553.500	550.200	77.264%	77.347%
2	06:38:26	66.738%	2.826	0.441	0.487	540.200	535.800	81.048%	80.763%
3	06:39:09	66.848%	2.785	0.457	0.401	553.500	547.400	81.079%	80.487%
x		65.957%	2.808	0.455	0.456	549.100	544.500	79.797%	79.532%
σ		1.448%	0.021	0.013	0.048	7.671	7.638	2.194%	1.898%
%RSD		2.195	0.754	2.775	10.510	1.397	1.403	2.749	2.386

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:43	1.387	1.345	105.700	103.700	104.600	78.505%
2	06:38:26	1.314	1.350	103.200	101.300	102.400	82.032%
3	06:39:09	1.369	1.365	107.700	104.700	106.000	81.102%
x		1.357	1.353	105.500	103.300	104.300	80.546%
σ		0.038	0.011	2.286	1.739	1.815	1.828%
%RSD		2.817	0.794	2.166	1.684	1.740	2.269

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:45:56	55.806%	2.368	19.640	19.840	0.000	232.100	7772.000	7830.000
2	06:46:40	56.689%	2.352	19.490	20.010	0.000	231.600	7643.000	7784.000
3	06:47:23	56.658%	2.326	19.820	20.200	0.000	237.200	7932.000	8002.000
x		56.384%	2.349	19.650	20.020	0.000	233.600	7782.000	7872.000
σ		0.501%	0.021	0.167	0.178	0.000	3.078	144.600	114.700
%RSD		0.889	0.889	0.847	0.889	0.000	1.317	1.859	1.457
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:45:56	35570.000	10450.000	0.000	6758.000	2460.000	2204.000	62.281%	322.000
2	06:46:40	35230.000	10320.000	0.000	6748.000	2445.000	2189.000	63.280%	322.700
3	06:47:23	36220.000	10570.000	0.000	6883.000	2385.000	2284.000	62.212%	328.100
x		35670.000	10450.000	0.000	6796.000	2430.000	2226.000	62.591%	324.300
σ		502.100	121.500	0.000	75.280	39.740	51.080	0.598%	3.338
%RSD		1.408	1.163	0.000	1.108	1.635	2.295	0.955	1.029
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:45:56	68.940	66.330	3941.000	130000.000	129800.000	62.110	125.100	67.520
2	06:46:40	68.140	65.410	3912.000	129200.000	128300.000	61.790	125.900	67.890
3	06:47:23	70.110	67.510	4043.000	133000.000	132200.000	63.880	130.000	70.400
x		69.070	66.420	3965.000	130700.000	130100.000	62.590	127.000	68.600
σ		0.990	1.054	68.870	1989.000	1995.000	1.127	2.630	1.569
%RSD		1.433	1.587	1.737	1.522	1.534	1.800	2.071	2.286
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:45:56	67.280	590.300	600.200	138.600	0.467	0.501	0.000	93.980
2	06:46:40	67.560	593.600	602.600	139.300	0.677	-0.123	0.000	94.530
3	06:47:23	69.460	613.600	620.800	143.200	0.743	-0.103	0.000	97.190
x		68.100	599.200	607.900	140.400	0.629	0.092	0.000	95.240
σ		1.188	12.610	11.250	2.522	0.144	0.355	0.000	1.718
%RSD		1.745	2.105	1.850	1.797	22.920	387.500	0.000	1.804
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:45:56	0.000	5.058	5.110	67.365%	0.117	0.073	1.120	1.031
2	06:46:40	0.000	5.044	4.857	68.062%	0.111	0.070	1.183	1.100
3	06:47:23	0.000	5.195	5.233	67.279%	0.115	0.085	0.972	0.921
x		0.000	5.099	5.067	67.569%	0.114	0.076	1.092	1.017
σ		0.000	0.083	0.192	0.430%	0.003	0.008	0.108	0.091
%RSD		0.000	1.634	3.782	0.636	2.464	10.670	9.908	8.911
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:45:56	65.937%	4.297	0.370	0.407	185.400	187.700	75.827%	75.946%
2	06:46:40	67.467%	4.396	0.345	0.387	188.800	184.300	77.688%	77.787%
3	06:47:23	67.002%	4.444	0.384	0.351	193.400	191.200	76.892%	77.252%
x		66.802%	4.379	0.366	0.382	189.200	187.700	76.802%	76.995%
σ		0.784%	0.075	0.020	0.028	4.014	3.457	0.934%	0.947%
%RSD		1.174	1.711	5.341	7.369	2.122	1.842	1.216	1.230
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:45:56	0.552	0.523	47.250	46.370	46.720	81.802%		
2	06:46:40	0.566	0.564	48.270	47.730	47.810	82.388%		
3	06:47:23	0.570	0.574	49.960	48.340	48.820	81.654%		
x		0.562	0.554	48.490	47.480	47.780	81.948%		
σ		0.009	0.027	1.367	1.005	1.050	0.388%		
%RSD		1.662	4.857	2.819	2.117	2.197	0.474		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:11	52.576%	5.501	37.260	37.960	0.000	387.300	26510.000	26480.000
2	06:54:54	53.931%	5.290	38.160	38.200	0.000	383.500	26370.000	26180.000
3	06:55:37	54.293%	5.255	38.080	38.560	0.000	381.800	26290.000	26140.000
x		53.600%	5.349	37.830	38.240	0.000	384.200	26390.000	26260.000
σ		0.905%	0.133	0.497	0.304	0.000	2.815	114.200	185.700
%RSD		1.688	2.484	1.313	0.794	0.000	0.733	0.433	0.707

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:11	106700.000	17120.000	0.000	11490.000	12000.000	10840.000	62.866%	954.200
2	06:54:54	105600.000	17010.000	0.000	11550.000	11790.000	10940.000	63.193%	949.100
3	06:55:37	105500.000	16830.000	0.000	11450.000	11800.000	10860.000	63.510%	949.700
x		105900.000	16990.000	0.000	11500.000	11860.000	10880.000	63.190%	951.000
σ		667.900	144.200	0.000	49.770	116.200	51.740	0.322%	2.805
%RSD		0.631	0.849	0.000	0.433	0.979	0.475	0.509	0.295

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:11	158.400	136.300	3314.000	246900.000	247800.000	83.190	218.800	199.900
2	06:54:54	158.700	137.100	3325.000	246100.000	248100.000	82.980	218.300	200.500
3	06:55:37	157.900	136.400	3317.000	245300.000	246400.000	82.970	218.300	198.500
x		158.300	136.600	3319.000	246100.000	247400.000	83.050	218.500	199.600
σ		0.373	0.475	5.461	841.500	884.700	0.124	0.327	1.042
%RSD		0.235	0.348	0.165	0.342	0.357	0.149	0.149	0.522

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:11	197.300	543.700	549.700	140.000	1.571	1.330	0.000	73.970
2	06:54:54	198.600	546.400	554.700	140.000	0.990	0.928	0.000	74.030
3	06:55:37	198.000	547.300	558.300	141.200	1.082	2.305	0.000	74.390
x		198.000	545.800	554.200	140.400	1.214	1.521	0.000	74.130
σ		0.618	1.899	4.344	0.694	0.312	0.708	0.000	0.229
%RSD		0.312	0.348	0.784	0.494	25.720	46.530	0.000	0.309

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:11	0.000	7.173	7.279	64.788%	0.224	0.157	1.155	1.067
2	06:54:54	0.000	7.200	7.367	65.784%	0.201	0.149	1.156	1.011
3	06:55:37	0.000	7.395	7.342	65.839%	0.251	0.156	1.150	0.927
x		0.000	7.256	7.330	65.470%	0.225	0.154	1.154	1.002
σ		0.000	0.121	0.045	0.592%	0.025	0.004	0.003	0.070
%RSD		0.000	1.667	0.616	0.904	11.180	2.770	0.266	6.991

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:11	64.806%	2.489	0.392	0.379	544.500	544.400	78.602%	77.610%
2	06:54:54	65.831%	2.532	0.392	0.427	552.600	550.300	79.300%	79.586%
3	06:55:37	66.203%	2.438	0.379	0.377	549.600	544.800	80.112%	80.053%
x		65.613%	2.486	0.388	0.394	548.900	546.500	79.338%	79.083%
σ		0.723%	0.047	0.007	0.028	4.075	3.300	0.756%	1.297%
%RSD		1.102	1.905	1.918	7.150	0.742	0.604	0.953	1.640

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:11	1.371	1.368	115.200	112.900	113.600	80.909%
2	06:54:54	1.373	1.379	117.000	115.500	116.100	81.431%
3	06:55:37	1.358	1.356	118.000	115.500	116.700	81.189%
x		1.367	1.368	116.700	114.600	115.500	81.176%
σ		0.008	0.012	1.405	1.496	1.642	0.261%
%RSD		0.562	0.846	1.204	1.305	1.422	0.321

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:25	52.456%	3.005	144.300	135.300	0.000	2861.000	10320.000	11310.000
2	07:03:08	52.327%	3.221	146.700	137.300	0.000	2876.000	10400.000	10490.000
3	07:03:51	53.105%	2.809	140.400	136.100	0.000	2832.000	10270.000	10350.000
x		52.629%	3.011	143.800	136.200	0.000	2856.000	10330.000	10710.000
σ		0.417%	0.206	3.143	1.015	0.000	22.400	63.980	518.200
%RSD		0.792	6.835	2.186	0.745	0.000	0.784	0.619	4.837

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:25	61610.000	12270.000	0.000	20960.000	596.200	559.000	58.902%	626.600
2	07:03:08	61350.000	12090.000	0.000	21000.000	623.200	576.000	59.002%	633.400
3	07:03:51	60910.000	12070.000	0.000	20870.000	574.500	570.700	59.330%	633.000
x		61290.000	12140.000	0.000	20940.000	598.000	568.600	59.078%	631.000
σ		353.600	107.400	0.000	67.860	24.440	8.707	0.224%	3.764
%RSD		0.577	0.884	0.000	0.324	4.087	1.531	0.379	0.597

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:25	104.800	89.850	4099.000	191200.000	191300.000	88.120	145.600	88.240
2	07:03:08	106.100	90.680	4134.000	193400.000	191900.000	89.430	145.200	88.950
3	07:03:51	105.500	90.350	4118.000	190900.000	190100.000	88.270	145.500	87.050
x		105.500	90.290	4117.000	191800.000	191100.000	88.610	145.500	88.080
σ		0.629	0.418	17.350	1381.000	924.400	0.717	0.229	0.958
%RSD		0.597	0.463	0.421	0.720	0.484	0.809	0.157	1.088

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:25	87.060	244.400	249.700	244.600	1.435	2.179	0.000	77.020
2	07:03:08	88.330	247.900	250.400	244.000	1.522	1.482	0.000	77.660
3	07:03:51	88.340	245.400	251.000	245.200	1.582	1.601	0.000	77.300
x		87.910	245.900	250.400	244.600	1.513	1.754	0.000	77.330
σ		0.737	1.763	0.684	0.561	0.074	0.373	0.000	0.320
%RSD		0.838	0.717	0.273	0.230	4.880	21.240	0.000	0.413

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:25	0.000	1579.000	1540.000	62.670%	0.135	0.074	1.078	0.870
2	07:03:08	0.000	1598.000	1597.000	63.284%	0.155	0.083	0.867	0.792
3	07:03:51	0.000	1593.000	1598.000	63.457%	0.138	0.080	0.857	0.646
x		0.000	1590.000	1578.000	63.137%	0.142	0.079	0.934	0.769
σ		0.000	9.733	33.190	0.414%	0.011	0.004	0.125	0.114
%RSD		0.000	0.612	2.103	0.655	7.489	5.594	13.390	14.780

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:25	62.663%	3.768	0.554	0.564	287.200	285.700	73.260%	73.957%
2	07:03:08	63.901%	3.783	0.598	0.561	286.500	285.000	75.348%	75.670%
3	07:03:51	63.949%	3.838	0.553	0.591	288.900	283.500	75.387%	76.308%
x		63.504%	3.796	0.568	0.572	287.500	284.700	74.665%	75.312%
σ		0.729%	0.037	0.025	0.017	1.247	1.126	1.217%	1.216%
%RSD		1.148	0.972	4.440	2.896	0.434	0.396	1.630	1.614

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:25	1.074	1.071	75.290	73.140	73.920	78.471%
2	07:03:08	1.115	1.064	76.440	74.190	75.240	79.660%
3	07:03:51	1.071	1.069	76.550	74.840	75.360	80.394%
x		1.087	1.068	76.090	74.060	74.840	79.508%
σ		0.025	0.003	0.699	0.859	0.799	0.971%
%RSD		2.262	0.318	0.919	1.160	1.067	1.221

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:38	52.087%	4.563	30.020	28.680	0.000	1230.000	17080.000	17160.000
2	07:11:21	52.820%	4.285	29.970	30.180	0.000	1242.000	17190.000	17150.000
3	07:12:04	53.086%	4.238	28.610	29.010	0.000	1227.000	17050.000	17000.000
x		52.664%	4.362	29.530	29.290	0.000	1233.000	17110.000	17100.000
σ		0.517%	0.176	0.799	0.787	0.000	7.848	76.020	87.210
%RSD		0.983	4.036	2.706	2.687	0.000	0.636	0.444	0.510

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:38	73600.000	14310.000	0.000	8791.000	3377.000	3128.000	58.738%	730.100
2	07:11:21	73560.000	14060.000	0.000	8826.000	3347.000	3136.000	59.345%	731.600
3	07:12:04	73320.000	14050.000	0.000	8758.000	3450.000	3157.000	59.931%	719.800
x		73490.000	14140.000	0.000	8792.000	3391.000	3140.000	59.338%	727.200
σ		152.500	146.700	0.000	34.240	53.070	15.020	0.597%	6.388
%RSD		0.207	1.038	0.000	0.390	1.565	0.478	1.005	0.878

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:38	124.000	103.700	3245.000	175800.000	174700.000	84.130	155.000	103.800
2	07:11:21	122.800	103.900	3251.000	175800.000	176600.000	84.940	154.300	103.800
3	07:12:04	123.600	103.800	3246.000	175600.000	174500.000	84.330	153.300	104.400
x		123.500	103.800	3247.000	175700.000	175300.000	84.470	154.200	104.000
σ		0.572	0.102	2.838	102.700	1167.000	0.422	0.892	0.380
%RSD		0.463	0.098	0.087	0.058	0.666	0.500	0.579	0.365

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:38	102.800	844.400	859.000	167.800	1.421	1.474	0.000	43.230
2	07:11:21	102.300	852.700	861.100	167.800	1.459	0.757	0.000	43.480
3	07:12:04	104.200	853.800	864.100	166.100	1.470	1.250	0.000	43.800
x		103.100	850.300	861.400	167.200	1.450	1.160	0.000	43.500
σ		0.981	5.144	2.543	0.990	0.026	0.367	0.000	0.287
%RSD		0.952	0.605	0.295	0.592	1.782	31.610	0.000	0.659

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:38	0.000	9.850	10.180	62.546%	0.117	0.062	1.741	1.481
2	07:11:21	0.000	9.815	9.720	63.537%	0.115	0.066	1.607	1.449
3	07:12:04	0.000	9.549	9.280	64.001%	0.108	0.061	1.705	1.462
x		0.000	9.738	9.726	63.361%	0.113	0.063	1.684	1.464
σ		0.000	0.165	0.450	0.743%	0.005	0.003	0.069	0.016
%RSD		0.000	1.692	4.622	1.173	4.202	4.031	4.112	1.097

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:38	61.592%	3.332	0.337	0.359	334.900	332.800	73.061%	73.121%
2	07:11:21	63.609%	3.215	0.328	0.355	335.600	332.000	75.574%	75.857%
3	07:12:04	64.326%	3.302	0.324	0.358	332.400	329.200	76.859%	76.427%
x		63.176%	3.283	0.330	0.357	334.300	331.300	75.165%	75.135%
σ		1.418%	0.061	0.007	0.002	1.710	1.889	1.932%	1.768%
%RSD		2.244	1.853	2.082	0.516	0.511	0.570	2.570	2.352

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:38	0.972	0.963	65.810	63.840	64.600	78.095%
2	07:11:21	1.042	0.979	66.960	65.300	65.940	79.402%
3	07:12:04	0.986	0.981	67.250	65.870	66.420	80.245%
x		1.000	0.974	66.680	65.000	65.650	79.247%
σ		0.037	0.010	0.761	1.049	0.941	1.083%
%RSD		3.695	0.995	1.142	1.614	1.434	1.367

240-22274-B-12-C 4/11/2013 7:18:08 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:51	51.949%	3.878	19.680	20.850	0.000	344.700	10450.000	10480.000
2	07:19:34	53.073%	3.510	20.700	21.160	0.000	343.500	10440.000	10470.000
3	07:20:17	53.662%	3.575	20.460	20.810	0.000	340.900	10320.000	10370.000
x		52.895%	3.654	20.280	20.940	0.000	343.000	10400.000	10440.000
σ		0.870%	0.196	0.535	0.191	0.000	1.926	75.430	59.730
%RSD		1.645	5.370	2.640	0.910	0.000	0.561	0.725	0.572

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:51	72450.000	13950.000	0.000	6438.000	5259.000	4884.000	58.596%	721.400
2	07:19:34	72190.000	13720.000	0.000	6424.000	5187.000	4849.000	59.377%	715.800
3	07:20:17	71460.000	13550.000	0.000	6350.000	5229.000	4867.000	59.678%	712.000
x		72030.000	13740.000	0.000	6404.000	5225.000	4867.000	59.217%	716.400
σ		515.800	201.600	0.000	47.200	35.990	17.380	0.558%	4.728
%RSD		0.716	1.468	0.000	0.737	0.689	0.357	0.943	0.660

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:51	126.900	87.710	13420.000	160400.000	159400.000	204.800	240.900	84.430
2	07:19:34	127.400	87.870	13440.000	160200.000	159500.000	205.800	239.600	84.780
3	07:20:17	126.600	87.270	13280.000	159100.000	158500.000	202.700	237.800	83.110
x		127.000	87.620	13380.000	159900.000	159200.000	204.400	239.500	84.110
σ		0.420	0.311	88.240	725.300	563.000	1.598	1.560	0.879
%RSD		0.331	0.354	0.659	0.454	0.354	0.782	0.651	1.045

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:51	84.310	317.200	321.400	132.200	2.035	1.942	0.000	57.490
2	07:19:34	83.420	320.800	324.800	132.200	1.945	2.185	0.000	58.140
3	07:20:17	82.200	317.800	322.600	131.000	2.267	1.907	0.000	58.150
x		83.310	318.600	322.900	131.800	2.082	2.011	0.000	57.930
σ		1.059	1.939	1.684	0.743	0.166	0.151	0.000	0.379
%RSD		1.272	0.609	0.521	0.563	7.983	7.513	0.000	0.654

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:51	0.000	10.540	10.570	62.805%	0.163	0.118	1.507	1.359
2	07:19:34	0.000	10.410	10.520	63.709%	0.137	0.142	1.520	1.457
3	07:20:17	0.000	10.560	10.390	64.096%	0.156	0.113	1.442	1.310
x		0.000	10.500	10.490	63.537%	0.152	0.124	1.489	1.375
σ		0.000	0.079	0.093	0.663%	0.013	0.016	0.041	0.075
%RSD		0.000	0.754	0.887	1.043	8.840	12.530	2.782	5.435

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:51	61.380%	2.700	0.374	0.383	432.800	429.700	71.916%	72.150%
2	07:19:34	62.994%	2.644	0.357	0.401	432.400	427.500	74.123%	74.576%
3	07:20:17	64.097%	2.626	0.409	0.343	427.000	428.600	75.579%	75.296%
x		62.824%	2.657	0.380	0.376	430.700	428.600	73.873%	74.007%
σ		1.366%	0.039	0.026	0.030	3.234	1.063	1.845%	1.648%
%RSD		2.175	1.455	6.922	7.945	0.751	0.248	2.497	2.227

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:51	1.272	1.226	71.000	69.300	69.930	76.884%
2	07:19:34	1.284	1.235	72.030	69.950	70.730	78.452%
3	07:20:17	1.251	1.238	71.730	70.550	70.940	79.166%
x		1.269	1.233	71.580	69.930	70.530	78.167%
σ		0.017	0.006	0.531	0.623	0.536	1.167%
%RSD		1.339	0.514	0.743	0.890	0.760	1.493

CCV 781130 4/11/2013 7:26:20 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:27:02	56.381%	105.600	104.800	105.500	0.000	52210.000	52600.000	52570.000
2	07:27:45	55.996%	105.000	107.300	107.100	0.000	52170.000	52660.000	52520.000
3	07:28:28	56.225%	106.200	101.900	106.400	0.000	51960.000	52140.000	51770.000
x		56.201%	105.608%	104.650%	106.326%	0.000	104.234%	104.935%	104.580%
σ		0.194%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.345	0.570	2.588	0.787	0.000	0.257	0.544	0.857
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:27:02	514.700	5640.000	0.000	53380.000	51440.000	53090.000	58.854%	103.800
2	07:27:45	515.800	5577.000	0.000	53250.000	51110.000	52870.000	58.261%	104.500
3	07:28:28	521.800	5564.000	0.000	53180.000	50350.000	53000.000	58.117%	103.100
x		103.486%	111.870%	0.000	106.536%	101.941%	105.970%	58.411%	103.775%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.391%	n/a
%RSD		0.741	0.728	0.000	0.190	1.096	0.210	0.669	0.665
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:27:02	103.000	102.900	486.200	27310.000	24530.000	103.000	103.200	103.600
2	07:27:45	104.000	103.300	489.000	27240.000	24460.000	103.700	103.100	103.600
3	07:28:28	101.700	101.900	486.000	27180.000	24590.000	102.900	102.900	102.500
x		102.889%	102.693%	97.411%	108.972%	98.098%	103.175%	103.083%	103.239%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.110	0.696	0.345	0.232	0.264	0.452	0.125	0.613
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:27:02	102.900	99.710	100.700	99.900	101.500	101.600	0.000	102.500
2	07:27:45	102.300	101.100	101.600	99.530	100.200	100.500	0.000	102.500
3	07:28:28	103.400	101.900	101.300	99.160	100.200	100.000	0.000	102.300
x		102.846%	100.873%	101.175%	99.529%	100.674%	100.718%	0.000	102.406%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.526	1.074	0.425	0.369	0.751	0.820	0.000	0.125
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:27:02	61.500%	99.030	98.570	64.429%	98.060	98.920	99.740	101.400
2	07:27:45	61.201%	103.200	103.000	63.323%	98.950	99.190	99.930	101.100
3	07:28:28	60.840%	103.400	102.900	63.051%	97.870	100.100	99.970	102.000
x		61.180%	101.876%	101.490%	63.601%	98.294%	99.399%	99.880%	101.524%
σ		0.330%	n/a	n/a	0.730%	n/a	n/a	n/a	n/a
%RSD		0.540	2.417	2.490	1.148	0.586	0.614	0.125	0.466
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:27:02	62.939%	100.600	100.400	100.800	103.100	102.200	69.076%	70.333%
2	07:27:45	63.177%	101.100	100.400	100.100	101.000	101.200	69.748%	70.196%
3	07:28:28	62.692%	102.200	100.700	101.000	102.600	102.200	68.995%	70.310%
x		62.936%	101.312%	100.506%	100.638%	102.271%	101.864%	69.273%	70.280%
σ		0.242%	n/a	n/a	n/a	n/a	n/a	0.413%	0.073%
%RSD		0.385	0.833	0.160	0.485	1.082	0.581	0.597	0.104
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	07:27:02	95.540	95.130	94.750	95.170	94.830	77.120%		
2	07:27:45	96.270	95.760	95.710	95.430	95.340	77.096%		
3	07:28:28	96.940	95.910	96.620	95.610	96.050	76.775%		
x		96.251%	95.600%	95.696%	95.403%	95.407%	76.997%		
σ		n/a	n/a	n/a	n/a	n/a	0.193%		
%RSD		0.727	0.433	0.976	0.233	0.646	0.250		

CCB7 4/11/2013 7:34:33 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:35:16	82.282%	-0.036	-0.247	-0.231	0.000	-12.080	4.988	4.949
2	07:35:59	84.966%	-0.042	0.072	-0.291	0.000	-13.070	5.537	5.113
3	07:36:42	84.526%	-0.027	-0.652	-0.308	0.000	-8.921	7.279	7.459
x		83.925%	-0.035	-0.276	-0.277	0.000	-11.360	5.935	5.840
σ		1.439%	0.008	0.363	0.040	0.000	2.167	1.196	1.404
%RSD		1.715	22.060	131.600	14.490	0.000	19.080	20.160	24.040

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:35:16	3.024	-308.600	0.000	-16.150	18.490	-19.030	83.344%	-0.034
2	07:35:59	3.193	-322.100	0.000	-19.620	13.420	-23.120	85.064%	0.042
3	07:36:42	3.507	-318.300	0.000	-20.390	12.270	-7.929	86.282%	0.021
x		3.241	-316.300	0.000	-18.720	14.730	-16.690	84.896%	0.010
σ		0.245	6.998	0.000	2.258	3.310	7.861	1.476%	0.039
%RSD		7.559	2.212	0.000	12.060	22.470	47.090	1.739	402.500

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:35:16	0.048	0.037	0.662	4.126	0.467	0.004	0.085	0.173
2	07:35:59	0.049	0.033	0.648	3.157	0.301	0.004	0.032	0.173
3	07:36:42	0.073	0.041	0.833	4.722	2.587	0.006	0.037	0.157
x		0.057	0.037	0.714	4.002	1.118	0.005	0.051	0.168
σ		0.014	0.004	0.103	0.790	1.275	0.001	0.029	0.010
%RSD		24.930	11.980	14.440	19.740	114.000	28.740	57.000	5.699

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:35:16	0.185	1.873	1.772	-0.469	-0.861	-2.700	0.000	0.105
2	07:35:59	0.131	1.806	1.751	-0.458	-1.017	-2.807	0.000	0.096
3	07:36:42	0.212	1.780	1.894	-0.558	-1.295	-3.130	0.000	0.112
x		0.176	1.820	1.806	-0.495	-1.058	-2.879	0.000	0.104
σ		0.041	0.048	0.077	0.055	0.220	0.224	0.000	0.008
%RSD		23.560	2.646	4.261	11.120	20.800	7.769	0.000	7.620

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:35:16	80.488%	0.131	0.096	94.163%	-0.003	-0.005	-0.066	-0.044
2	07:35:59	82.865%	0.125	0.089	95.814%	-0.007	-0.002	-0.053	-0.032
3	07:36:42	83.822%	0.122	0.123	96.723%	-0.005	-0.000	-0.096	-0.063
x		82.392%	0.126	0.102	95.567%	-0.005	-0.002	-0.072	-0.046
σ		1.717%	0.005	0.018	1.298%	0.002	0.002	0.022	0.016
%RSD		2.083	3.585	17.400	1.358	48.690	103.000	30.540	33.540

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:35:16	88.229%	0.055	-0.012	0.003	0.064	0.064	88.672%	89.776%
2	07:35:59	89.053%	0.082	-0.005	-0.006	0.066	0.070	90.398%	91.805%
3	07:36:42	90.582%	0.076	0.004	0.005	0.077	0.099	91.277%	92.393%
x		89.288%	0.071	-0.004	0.001	0.069	0.078	90.116%	91.325%
σ		1.194%	0.014	0.008	0.006	0.007	0.019	1.326%	1.373%
%RSD		1.337	20.260	193.400	965.800	9.865	24.200	1.471	1.503

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:35:16	0.015	0.011	0.033	0.039	0.037	93.207%
2	07:35:59	0.009	0.007	0.027	0.039	0.038	94.986%
3	07:36:42	0.014	0.013	0.037	0.047	0.041	94.937%
x		0.013	0.011	0.032	0.042	0.039	94.377%
σ		0.003	0.003	0.005	0.005	0.002	1.013%
%RSD		24.000	25.690	16.860	12.130	5.859	1.073

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:43:30	50.455%	4.566	29.190	28.760	0.000	330.400	18960.000	18940.000
2	07:44:13	51.788%	4.815	30.380	29.420	0.000	328.400	18740.000	18640.000
3	07:44:56	52.502%	4.359	27.500	29.110	0.000	322.700	18430.000	18480.000
x		51.582%	4.580	29.020	29.100	0.000	327.200	18710.000	18690.000
σ		1.039%	0.228	1.448	0.328	0.000	4.001	267.800	234.400
%RSD		2.013	4.982	4.990	1.126	0.000	1.223	1.431	1.254

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:43:30	85530.000	13440.000	0.000	9374.000	3852.000	3530.000	59.433%	806.500
2	07:44:13	84490.000	13180.000	0.000	9363.000	4118.000	3541.000	60.393%	801.600
3	07:44:56	83600.000	12970.000	0.000	9304.000	3962.000	3559.000	60.549%	797.100
x		84540.000	13200.000	0.000	9347.000	3978.000	3544.000	60.125%	801.700
σ		965.500	234.100	0.000	37.800	133.800	14.750	0.604%	4.722
%RSD		1.142	1.774	0.000	0.405	3.364	0.416	1.005	0.589

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:43:30	141.600	121.500	5898.000	248800.000	249300.000	77.130	170.100	114.900
2	07:44:13	141.700	120.500	5870.000	245600.000	247400.000	77.520	168.500	114.000
3	07:44:56	141.800	120.700	5875.000	247800.000	248500.000	77.550	169.300	114.300
x		141.700	120.900	5881.000	247400.000	248400.000	77.400	169.300	114.400
σ		0.104	0.517	14.990	1658.000	938.700	0.236	0.793	0.422
%RSD		0.073	0.428	0.255	0.670	0.378	0.305	0.468	0.369

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:43:30	114.000	409.200	413.100	158.000	1.329	1.833	0.000	1081.000
2	07:44:13	113.200	409.400	417.500	158.000	1.314	1.696	0.000	1073.000
3	07:44:56	113.800	410.300	416.100	158.600	1.640	1.744	0.000	1078.000
x		113.700	409.600	415.600	158.200	1.428	1.757	0.000	1077.000
σ		0.430	0.595	2.247	0.356	0.184	0.069	0.000	3.736
%RSD		0.378	0.145	0.541	0.225	12.860	3.940	0.000	0.347

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:43:30	0.000	41.870	41.450	62.530%	0.157	0.099	0.869	0.722
2	07:44:13	0.000	41.050	41.860	63.810%	0.145	0.122	0.789	0.746
3	07:44:56	0.000	41.890	42.340	63.669%	0.146	0.116	1.001	0.811
x		0.000	41.600	41.880	63.336%	0.149	0.113	0.886	0.759
σ		0.000	0.483	0.443	0.701%	0.006	0.012	0.107	0.046
%RSD		0.000	1.161	1.057	1.108	4.234	10.620	12.100	6.032

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:43:30	61.502%	2.833	0.296	0.295	484.400	484.100	72.597%	73.111%
2	07:44:13	63.301%	2.795	0.331	0.315	484.500	482.400	75.687%	75.406%
3	07:44:56	63.470%	2.903	0.318	0.318	488.600	483.100	75.680%	76.564%
x		62.758%	2.844	0.315	0.309	485.800	483.200	74.654%	75.027%
σ		1.091%	0.055	0.018	0.013	2.415	0.840	1.782%	1.757%
%RSD		1.738	1.924	5.605	4.052	0.497	0.174	2.387	2.342

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:43:30	0.992	0.997	79.670	78.430	78.800	78.412%
2	07:44:13	1.028	1.015	81.030	79.170	80.330	80.060%
3	07:44:56	1.035	1.041	81.140	80.280	80.740	80.222%
x		1.018	1.018	80.610	79.290	79.960	79.564%
σ		0.023	0.022	0.820	0.931	1.021	1.001%
%RSD		2.251	2.144	1.017	1.174	1.276	1.259

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:51:42	42.387%	3.315	170.800	176.200	0.000	25790.000	65240.000	65010.000
2	07:52:25	43.317%	3.139	175.500	178.800	0.000	25400.000	64060.000	63900.000
3	07:53:08	42.453%	3.212	181.200	179.700	0.000	25570.000	64490.000	64330.000
x		42.719%	3.222	175.800	178.200	0.000	25590.000	64600.000	64410.000
σ		0.519%	0.089	5.212	1.821	0.000	192.800	598.500	559.200
%RSD		1.214	2.752	2.964	1.022	0.000	0.753	0.927	0.868

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:51:42	66990.000	13840.000	0.000	18900.000	135900.000	141100.000	47.763%	1311.000
2	07:52:25	65730.000	13570.000	0.000	18700.000	136700.000	139800.000	48.108%	1299.000
3	07:53:08	66060.000	13520.000	0.000	18730.000	136000.000	139300.000	47.635%	1306.000
x		66260.000	13650.000	0.000	18770.000	136200.000	140100.000	47.835%	1305.000
σ		655.500	168.700	0.000	106.600	407.700	964.800	0.245%	6.003
%RSD		0.989	1.236	0.000	0.568	0.299	0.689	0.512	0.460

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:51:42	261.200	110.900	1597000.000	125800.000	128000.000	2878.000	582.700	2013.000
2	07:52:25	257.700	110.500	1583000.000	125400.000	126200.000	2828.000	580.000	2003.000
3	07:53:08	258.200	110.900	1590000.000	125500.000	126400.000	2820.000	583.300	2009.000
x		259.000	110.800	1590000.000	125600.000	126800.000	2842.000	582.000	2008.000
σ		1.913	0.201	7190.000	200.100	978.000	31.280	1.739	4.930
%RSD		0.739	0.181	0.452	0.159	0.771	1.101	0.299	0.246

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:51:42	2032.000	571.100	578.100	639.400	3.002	5.075	0.000	22580.000
2	07:52:25	2015.000	572.100	577.200	643.300	3.333	4.510	0.000	22560.000
3	07:53:08	2026.000	575.600	588.900	643.600	3.008	3.898	0.000	22490.000
x		2024.000	572.900	581.400	642.100	3.114	4.494	0.000	22540.000
σ		8.514	2.378	6.537	2.351	0.189	0.588	0.000	45.890
%RSD		0.421	0.415	1.124	0.366	6.082	13.090	0.000	0.204

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:51:42	0.000	626.000	627.100	45.370%	0.286	0.226	2.205	2.097
2	07:52:25	0.000	627.400	630.100	45.980%	0.250	0.240	2.575	2.304
3	07:53:08	0.000	631.200	631.200	46.153%	0.259	0.213	2.232	2.071
x		0.000	628.200	629.500	45.834%	0.265	0.226	2.337	2.157
σ		0.000	2.715	2.142	0.411%	0.019	0.014	0.206	0.128
%RSD		0.000	0.432	0.340	0.897	7.085	5.983	8.832	5.915

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:51:42	53.451%	3.243	2.868	2.809	15750.000	15810.000	62.681%	63.953%
2	07:52:25	54.489%	3.181	2.842	2.792	15640.000	15630.000	64.001%	65.726%
3	07:53:08	54.628%	3.222	2.848	2.749	15480.000	15490.000	64.722%	65.677%
x		54.189%	3.215	2.853	2.783	15620.000	15640.000	63.801%	65.119%
σ		0.643%	0.031	0.014	0.031	136.400	160.400	1.035%	1.010%
%RSD		1.187	0.971	0.475	1.122	0.873	1.025	1.623	1.551

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:51:42	26.950	27.090	587.400	594.500	638.700	67.334%
2	07:52:25	27.950	28.070	604.100	613.000	651.800	67.547%
3	07:53:08	27.870	28.080	607.000	617.800	653.700	67.661%
x		27.590	27.750	599.500	608.400	648.100	67.514%
σ		0.556	0.568	10.600	12.280	8.168	0.166%
%RSD		2.014	2.047	1.769	2.018	1.260	0.246

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:59:55	45.156%	4.101	25.190	25.350	0.000	350.300	23070.000	23260.000
2	08:00:38	46.214%	3.798	26.610	25.430	0.000	354.700	23230.000	23110.000
3	08:01:21	46.070%	4.065	29.210	27.650	0.000	365.800	23830.000	23810.000
x		45.813%	3.988	27.000	26.140	0.000	356.900	23380.000	23390.000
σ		0.573%	0.166	2.037	1.308	0.000	7.967	397.500	364.900
%RSD		1.252	4.158	7.542	5.002	0.000	2.232	1.700	1.560

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:59:55	120500.000	12620.000	0.000	7461.000	12490.000	10470.000	51.911%	1393.000
2	08:00:38	119500.000	12480.000	0.000	7498.000	12340.000	10600.000	52.876%	1399.000
3	08:01:21	123400.000	12850.000	0.000	7764.000	12600.000	10840.000	52.856%	1447.000
x		121100.000	12650.000	0.000	7574.000	12470.000	10630.000	52.548%	1413.000
σ		2057.000	182.300	0.000	165.200	129.600	186.400	0.552%	29.240
%RSD		1.698	1.441	0.000	2.181	1.039	1.753	1.050	2.069

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:59:55	212.300	136.600	2610.000	213600.000	214200.000	46.400	128.600	119.600
2	08:00:38	210.600	134.500	2526.000	208600.000	208200.000	45.250	123.900	114.900
3	08:01:21	216.600	138.400	2605.000	215000.000	214500.000	46.080	127.200	119.300
x		213.100	136.500	2581.000	212400.000	212300.000	45.910	126.600	117.900
σ		3.085	1.950	47.150	3331.000	3515.000	0.594	2.418	2.624
%RSD		1.447	1.429	1.827	1.568	1.656	1.293	1.910	2.224

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:59:55	119.300	347.800	357.700	93.310	4.539	5.573	0.000	7224.000
2	08:00:38	115.200	331.300	337.000	88.220	3.873	4.191	0.000	6547.000
3	08:01:21	118.300	345.800	351.500	89.880	4.328	4.546	0.000	6794.000
x		117.600	341.600	348.700	90.470	4.247	4.770	0.000	6855.000
σ		2.156	9.016	10.650	2.595	0.341	0.718	0.000	342.700
%RSD		1.834	2.639	3.053	2.869	8.023	15.040	0.000	4.999

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:59:55	0.000	230.200	234.300	49.211%	0.256	0.190	0.893	0.613
2	08:00:38	0.000	208.000	208.200	57.838%	0.228	0.175	0.726	0.598
3	08:01:21	0.000	216.100	218.100	57.220%	0.219	0.159	0.650	0.536
x		0.000	218.100	220.200	54.757%	0.234	0.175	0.756	0.582
σ		0.000	11.270	13.190	4.812%	0.019	0.015	0.124	0.040
%RSD		0.000	5.165	5.991	8.788	8.289	8.779	16.410	6.939

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:59:55	55.717%	2.799	0.314	0.359	574.000	573.500	64.563%	65.223%
2	08:00:38	58.076%	2.745	0.307	0.312	570.900	573.100	66.861%	67.292%
3	08:01:21	57.683%	2.966	0.308	0.343	588.000	586.700	66.989%	67.387%
x		57.159%	2.837	0.310	0.338	577.700	577.800	66.138%	66.634%
σ		1.264%	0.115	0.004	0.024	9.126	7.772	1.365%	1.223%
%RSD		2.211	4.058	1.180	7.076	1.580	1.345	2.064	1.836

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:59:55	1.260	1.255	85.730	83.590	84.290	72.306%
2	08:00:38	1.308	1.270	89.110	85.240	86.350	73.308%
3	08:01:21	1.345	1.344	92.210	89.130	90.450	72.427%
x		1.304	1.290	89.020	85.980	87.030	72.680%
σ		0.043	0.047	3.244	2.846	3.133	0.547%
%RSD		3.268	3.679	3.644	3.310	3.600	0.753

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:08:08	46.908%	4.770	51.640	51.220	0.000	2968.000	21770.000	21770.000
2	08:08:51	47.582%	4.764	53.540	51.460	0.000	2983.000	21850.000	21770.000
3	08:09:34	47.505%	4.938	52.520	51.470	0.000	2978.000	21780.000	21840.000
x		47.332%	4.824	52.570	51.380	0.000	2976.000	21800.000	21790.000
σ		0.369%	0.099	0.951	0.140	0.000	7.432	43.950	38.140
%RSD		0.780	2.046	1.810	0.273	0.000	0.250	0.202	0.175
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:08:08	97100.000	12210.000	0.000	13640.000	3923.000	3674.000	54.165%	928.200
2	08:08:51	97240.000	12200.000	0.000	13660.000	3981.000	3687.000	54.837%	930.600
3	08:09:34	97010.000	12180.000	0.000	13690.000	4079.000	3693.000	55.132%	932.300
x		97120.000	12200.000	0.000	13660.000	3994.000	3685.000	54.711%	930.400
σ		117.200	18.880	0.000	21.710	79.080	9.641	0.496%	2.057
%RSD		0.121	0.155	0.000	0.159	1.980	0.262	0.906	0.221
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:08:08	152.600	161.500	3234.000	200200.000	201000.000	71.480	160.800	127.800
2	08:08:51	151.900	162.500	3245.000	199900.000	200500.000	71.600	162.300	126.800
3	08:09:34	149.600	159.000	3159.000	195500.000	194200.000	69.170	155.600	122.600
x		151.400	161.000	3212.000	198600.000	198600.000	70.750	159.500	125.700
σ		1.576	1.814	46.850	2650.000	3789.000	1.372	3.508	2.768
%RSD		1.041	1.127	1.458	1.335	1.908	1.939	2.199	2.201
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:08:08	127.000	365.100	372.800	221.400	2.157	2.377	0.000	239.000
2	08:08:51	127.300	367.900	378.100	223.200	2.250	2.461	0.000	239.600
3	08:09:34	121.600	352.700	356.100	207.600	1.748	2.182	0.000	218.400
x		125.300	361.900	369.000	217.400	2.051	2.340	0.000	232.300
σ		3.223	8.125	11.510	8.566	0.267	0.143	0.000	12.080
%RSD		2.573	2.245	3.119	3.941	13.020	6.128	0.000	5.199
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:08:08	0.000	211.900	214.200	50.407%	0.165	0.130	0.882	0.614
2	08:08:51	0.000	214.800	214.800	51.467%	0.201	0.148	0.768	0.636
3	08:09:34	0.000	192.200	193.100	59.153%	0.207	0.137	0.845	0.651
x		0.000	206.300	207.400	53.676%	0.191	0.138	0.831	0.634
σ		0.000	12.300	12.390	4.773%	0.023	0.009	0.058	0.019
%RSD		0.000	5.964	5.977	8.892	11.890	6.544	7.017	2.923
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:08:08	57.673%	2.224	0.275	0.267	547.400	540.500	68.433%	68.471%
2	08:08:51	59.091%	2.169	0.267	0.266	545.100	540.700	70.149%	71.020%
3	08:09:34	59.470%	2.149	0.270	0.261	545.200	544.300	71.090%	71.779%
x		58.745%	2.181	0.270	0.265	545.900	541.800	69.891%	70.423%
σ		0.947%	0.039	0.004	0.003	1.319	2.152	1.347%	1.733%
%RSD		1.612	1.774	1.525	1.308	0.242	0.397	1.928	2.461
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	08:08:08	0.986	1.006	91.000	88.610	89.370	74.267%		
2	08:08:51	1.018	1.012	93.400	91.850	92.360	74.624%		
3	08:09:34	1.025	1.032	93.370	91.870	92.220	75.033%		
x		1.010	1.017	92.590	90.780	91.320	74.641%		
σ		0.021	0.014	1.374	1.879	1.684	0.384%		
%RSD		2.090	1.369	1.484	2.070	1.844	0.514		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:16:21	48.173%	3.082	27.880	26.820	0.000	2230.000	14960.000	15070.000
2	08:17:04	49.018%	3.261	27.390	27.690	0.000	2234.000	15020.000	15100.000
3	08:17:47	48.569%	3.291	27.690	28.610	0.000	2291.000	15390.000	15460.000
x		48.587%	3.212	27.650	27.710	0.000	2251.000	15120.000	15210.000
σ		0.423%	0.113	0.248	0.893	0.000	33.900	234.900	215.700
%RSD		0.870	3.524	0.897	3.222	0.000	1.506	1.553	1.418

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:16:21	58940.000	10190.000	0.000	8123.000	3899.000	3509.000	54.809%	533.900
2	08:17:04	58870.000	10170.000	0.000	8109.000	3953.000	3505.000	55.393%	531.400
3	08:17:47	60210.000	10370.000	0.000	8321.000	3863.000	3574.000	55.093%	549.800
x		59340.000	10240.000	0.000	8184.000	3905.000	3529.000	55.098%	538.400
σ		754.200	109.400	0.000	118.700	45.440	38.640	0.292%	9.984
%RSD		1.271	1.068	0.000	1.450	1.163	1.095	0.530	1.855

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:16:21	96.850	95.000	12260.000	148900.000	148800.000	64.500	155.300	122.500
2	08:17:04	95.190	94.630	12010.000	145900.000	145600.000	63.290	150.000	118.100
3	08:17:47	98.000	96.350	12320.000	148800.000	148700.000	64.810	153.000	120.400
x		96.680	95.330	12200.000	147900.000	147700.000	64.200	152.800	120.300
σ		1.414	0.905	163.300	1703.000	1842.000	0.802	2.662	2.216
%RSD		1.462	0.949	1.339	1.152	1.247	1.250	1.742	1.842

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:16:21	121.800	308.400	320.600	140.500	1.147	1.864	0.000	1622.000
2	08:17:04	114.800	293.200	301.600	129.700	1.157	1.084	0.000	1477.000
3	08:17:47	119.800	303.000	307.600	132.900	0.799	1.333	0.000	1516.000
x		118.800	301.500	310.000	134.300	1.034	1.427	0.000	1538.000
σ		3.631	7.687	9.722	5.538	0.204	0.398	0.000	74.930
%RSD		3.056	2.550	3.137	4.122	19.700	27.890	0.000	4.871

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:16:21	0.000	16.040	15.740	51.784%	0.111	0.089	0.755	0.558
2	08:17:04	0.000	14.050	14.400	60.578%	0.123	0.063	0.635	0.519
3	08:17:47	0.000	14.650	14.550	59.918%	0.092	0.079	0.727	0.553
x		0.000	14.910	14.900	57.426%	0.109	0.077	0.706	0.543
σ		0.000	1.021	0.736	4.898%	0.015	0.013	0.063	0.021
%RSD		0.000	6.849	4.937	8.529	14.120	16.610	8.883	3.930

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:16:21	58.537%	2.821	0.322	0.305	368.100	369.000	69.704%	69.775%
2	08:17:04	60.792%	2.723	0.315	0.316	368.100	363.700	71.930%	72.461%
3	08:17:47	60.539%	2.893	0.302	0.342	373.000	370.700	71.994%	71.504%
x		59.956%	2.813	0.313	0.321	369.700	367.800	71.210%	71.247%
σ		1.236%	0.085	0.010	0.019	2.818	3.662	1.304%	1.361%
%RSD		2.061	3.038	3.096	5.911	0.762	0.996	1.831	1.911

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:16:21	0.833	0.818	353.800	361.800	359.100	76.286%
2	08:17:04	0.832	0.818	356.800	362.900	363.200	77.534%
3	08:17:47	0.840	0.887	369.100	376.700	374.200	76.539%
x		0.835	0.841	359.900	367.200	365.500	76.786%
σ		0.004	0.040	8.106	8.306	7.799	0.660%
%RSD		0.502	4.767	2.253	2.262	2.134	0.859

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:24:34	45.541%	6.079	137.800	133.700	0.000	8193.000	26740.000	26560.000
2	08:25:17	45.566%	6.032	142.100	134.800	0.000	8220.000	26660.000	26500.000
3	08:26:00	46.217%	5.936	136.400	134.400	0.000	8172.000	26560.000	26370.000
x		45.775%	6.016	138.700	134.300	0.000	8195.000	26650.000	26480.000
σ		0.384%	0.073	2.959	0.582	0.000	24.150	92.360	97.940
%RSD		0.838	1.211	2.133	0.434	0.000	0.295	0.346	0.370
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:24:34	132500.000	16290.000	0.000	25150.000	1253.000	1092.000	53.947%	1318.000
2	08:25:17	131200.000	16200.000	0.000	25250.000	1216.000	1102.000	54.824%	1332.000
3	08:26:00	131100.000	16100.000	0.000	25330.000	1137.000	1082.000	54.516%	1316.000
x		131600.000	16200.000	0.000	25250.000	1202.000	1092.000	54.429%	1322.000
σ		764.700	95.900	0.000	90.880	59.180	10.460	0.445%	8.632
%RSD		0.581	0.592	0.000	0.360	4.922	0.958	0.817	0.653
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:24:34	201.200	156.100	2935.000	252300.000	252200.000	81.090	178.300	153.900
2	08:25:17	206.100	158.800	2996.000	258400.000	259100.000	83.900	181.700	158.800
3	08:26:00	203.100	156.500	2946.000	252700.000	252300.000	81.890	178.900	154.900
x		203.400	157.200	2959.000	254400.000	254500.000	82.290	179.600	155.900
σ		2.495	1.474	32.480	3395.000	3969.000	1.447	1.770	2.589
%RSD		1.226	0.938	1.098	1.334	1.559	1.759	0.986	1.661
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:24:34	152.100	417.200	423.700	170.300	2.440	1.935	0.000	346.800
2	08:25:17	158.000	440.000	448.600	182.600	3.005	3.423	0.000	387.100
3	08:26:00	153.200	424.100	433.700	172.600	2.163	2.728	0.000	353.000
x		154.400	427.100	435.300	175.200	2.536	2.695	0.000	362.300
σ		3.138	11.690	12.510	6.537	0.429	0.744	0.000	21.680
%RSD		2.032	2.736	2.873	3.732	16.920	27.610	0.000	5.984
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:24:34	0.000	909.300	912.800	57.547%	0.215	0.161	0.946	0.799
2	08:25:17	0.000	1038.000	1047.000	50.799%	0.239	0.176	0.826	0.586
3	08:26:00	0.000	922.600	930.600	58.200%	0.193	0.160	0.938	0.683
x		0.000	956.500	963.600	55.515%	0.216	0.166	0.903	0.689
σ		0.000	70.520	73.140	4.098%	0.023	0.009	0.067	0.106
%RSD		0.000	7.373	7.590	7.381	10.720	5.349	7.434	15.410
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:24:34	56.880%	1.806	0.287	0.327	678.100	672.800	66.932%	67.588%
2	08:25:17	58.509%	1.907	0.305	0.314	675.400	673.000	69.416%	69.655%
3	08:26:00	58.596%	1.834	0.287	0.323	674.800	670.500	69.997%	70.164%
x		57.995%	1.849	0.293	0.321	676.100	672.100	68.782%	69.136%
σ		0.967%	0.052	0.010	0.007	1.737	1.414	1.628%	1.364%
%RSD		1.667	2.821	3.573	2.163	0.257	0.210	2.367	1.974
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	08:24:34	1.186	1.119	105.000	102.500	103.700	73.226%		
2	08:25:17	1.133	1.137	108.500	104.900	106.200	74.036%		
3	08:26:00	1.129	1.175	108.100	106.100	106.300	74.814%		
x		1.149	1.144	107.200	104.500	105.400	74.025%		
σ		0.032	0.029	1.887	1.819	1.502	0.794%		
%RSD		2.760	2.497	1.760	1.740	1.425	1.073		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:32:48	47.219%	4.287	15.460	16.210	0.000	363.100	15740.000	15830.000
2	08:33:31	48.140%	4.389	16.160	16.780	0.000	365.900	15730.000	15840.000
3	08:34:14	47.800%	4.345	17.630	16.520	0.000	368.900	15770.000	15830.000
x		47.720%	4.340	16.420	16.500	0.000	366.000	15750.000	15830.000
σ		0.466%	0.051	1.104	0.287	0.000	2.912	21.740	9.705
%RSD		0.976	1.180	6.724	1.742	0.000	0.796	0.138	0.061

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:32:48	70160.000	12440.000	0.000	5334.000	7854.000	7146.000	52.389%	776.500
2	08:33:31	69520.000	12280.000	0.000	5342.000	7808.000	7171.000	53.209%	776.600
3	08:34:14	70060.000	12240.000	0.000	5368.000	8003.000	7166.000	53.565%	777.100
x		69910.000	12320.000	0.000	5348.000	7888.000	7161.000	53.054%	776.700
σ		341.900	105.800	0.000	17.630	101.700	13.510	0.603%	0.364
%RSD		0.489	0.859	0.000	0.330	1.290	0.189	1.137	0.047

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:32:48	121.900	270.600	6371.000	129100.000	128300.000	60.130	114.800	57.730
2	08:33:31	120.800	271.700	6386.000	129300.000	128600.000	60.700	114.100	58.130
3	08:34:14	119.800	266.200	6230.000	125300.000	124400.000	58.440	109.600	55.850
x		120.800	269.500	6329.000	127900.000	127100.000	59.750	112.800	57.240
σ		1.064	2.901	85.820	2246.000	2309.000	1.174	2.797	1.218
%RSD		0.881	1.077	1.356	1.756	1.817	1.965	2.479	2.127

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:32:48	58.890	213.800	218.900	63.560	2.420	4.065	0.000	70.740
2	08:33:31	58.400	215.100	219.200	65.280	2.373	2.616	0.000	72.020
3	08:34:14	55.210	204.700	206.700	59.050	2.193	2.105	0.000	64.800
x		57.500	211.200	214.900	62.630	2.329	2.929	0.000	69.190
σ		1.995	5.658	7.117	3.217	0.120	1.016	0.000	3.854
%RSD		3.470	2.679	3.312	5.136	5.150	34.700	0.000	5.570

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:32:48	0.000	8.677	8.704	49.956%	0.270	0.262	0.880	0.625
2	08:33:31	0.000	8.986	8.737	50.961%	0.306	0.269	0.878	0.698
3	08:34:14	0.000	7.691	7.452	59.246%	0.231	0.225	0.771	0.646
x		0.000	8.452	8.298	53.388%	0.269	0.252	0.843	0.656
σ		0.000	0.676	0.733	5.098%	0.038	0.024	0.062	0.038
%RSD		0.000	8.001	8.830	9.550	14.010	9.407	7.399	5.729

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:32:48	56.854%	1.790	0.238	0.252	559.200	558.700	66.279%	66.709%
2	08:33:31	57.942%	1.861	0.249	0.265	567.300	565.300	68.435%	69.005%
3	08:34:14	59.133%	1.845	0.234	0.235	563.700	558.400	69.830%	70.134%
x		57.976%	1.832	0.240	0.251	563.400	560.800	68.182%	68.616%
σ		1.140%	0.037	0.007	0.015	4.048	3.899	1.789%	1.746%
%RSD		1.967	2.019	3.015	6.028	0.719	0.695	2.624	2.544

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:32:48	0.920	0.901	83.470	81.880	82.220	73.408%
2	08:33:31	0.928	0.908	84.890	83.120	83.920	75.083%
3	08:34:14	0.872	0.911	85.970	82.910	84.030	75.845%
x		0.907	0.907	84.780	82.640	83.390	74.779%
σ		0.030	0.005	1.250	0.666	1.011	1.247%
%RSD		3.341	0.572	1.474	0.806	1.212	1.668

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:41:02	45.006%	5.595	63.810	62.310	0.000	2465.000	24850.000	24890.000
2	08:41:45	46.055%	5.637	64.050	62.180	0.000	2464.000	24840.000	24800.000
3	08:42:28	45.488%	5.614	66.270	65.520	0.000	2501.000	25280.000	25130.000
x		45.517%	5.615	64.710	63.340	0.000	2477.000	24990.000	24940.000
σ		0.525%	0.021	1.358	1.894	0.000	21.280	255.000	172.100
%RSD		1.154	0.372	2.099	2.990	0.000	0.859	1.020	0.690
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:41:02	114300.000	15480.000	0.000	23170.000	2116.000	1770.000	54.154%	1213.000
2	08:41:45	113500.000	15290.000	0.000	23110.000	2111.000	1769.000	54.443%	1196.000
3	08:42:28	115600.000	15470.000	0.000	23440.000	2075.000	1797.000	53.954%	1223.000
x		114500.000	15410.000	0.000	23240.000	2101.000	1778.000	54.183%	1211.000
σ		1050.000	102.500	0.000	176.900	22.240	15.810	0.246%	13.490
%RSD		0.918	0.665	0.000	0.761	1.058	0.889	0.454	1.115
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:41:02	174.100	142.800	2109.000	243700.000	243600.000	71.380	184.800	190.500
2	08:41:45	172.000	139.200	2075.000	237800.000	238300.000	69.410	179.400	184.200
3	08:42:28	174.000	143.000	2111.000	241100.000	241700.000	70.210	181.000	185.400
x		173.400	141.700	2098.000	240800.000	241200.000	70.330	181.700	186.700
σ		1.172	2.103	20.620	2956.000	2650.000	0.993	2.797	3.385
%RSD		0.676	1.485	0.983	1.228	1.099	1.411	1.539	1.813
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:41:02	193.600	485.600	490.500	917.400	2.559	3.912	0.000	1265.000
2	08:41:45	182.400	460.900	468.800	849.800	1.744	2.575	0.000	1146.000
3	08:42:28	184.800	470.900	481.000	865.400	2.128	2.797	0.000	1166.000
x		187.000	472.400	480.100	877.500	2.144	3.095	0.000	1192.000
σ		5.913	12.390	10.850	35.360	0.408	0.716	0.000	63.930
%RSD		3.163	2.623	2.259	4.030	19.020	23.140	0.000	5.361
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:41:02	0.000	260.900	262.200	49.573%	0.181	0.142	1.357	0.961
2	08:41:45	0.000	229.900	231.400	57.893%	0.184	0.102	1.119	0.873
3	08:42:28	0.000	235.900	236.400	57.531%	0.169	0.126	1.214	0.960
x		0.000	242.300	243.300	54.999%	0.178	0.123	1.230	0.931
σ		0.000	16.420	16.520	4.702%	0.008	0.020	0.120	0.050
%RSD		0.000	6.779	6.788	8.550	4.385	16.430	9.750	5.383
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:41:02	56.524%	1.987	0.394	0.384	610.100	603.700	69.552%	69.885%
2	08:41:45	57.996%	1.984	0.363	0.396	609.200	607.300	71.729%	71.961%
3	08:42:28	57.626%	1.994	0.392	0.370	621.700	617.500	72.066%	71.755%
x		57.382%	1.988	0.383	0.383	613.700	609.500	71.116%	71.201%
σ		0.765%	0.006	0.017	0.013	6.979	7.171	1.365%	1.144%
%RSD		1.334	0.279	4.567	3.442	1.137	1.177	1.919	1.607
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	08:41:02	0.996	1.046	106.900	104.600	105.600	72.311%		
2	08:41:45	1.007	1.013	108.500	106.800	107.600	73.463%		
3	08:42:28	1.010	1.022	111.600	110.000	110.700	72.904%		
x		1.004	1.027	109.000	107.100	107.900	72.893%		
σ		0.007	0.017	2.380	2.694	2.569	0.576%		
%RSD		0.721	1.670	2.183	2.514	2.380	0.790		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:49:16	44.798%	5.209	32.560	29.820	0.000	574.000	26450.000	26430.000
2	08:49:59	46.242%	4.842	28.960	30.430	0.000	574.900	26200.000	26180.000
3	08:50:42	46.040%	5.026	30.630	29.720	0.000	582.300	26320.000	26370.000
x		45.693%	5.026	30.720	29.990	0.000	577.100	26320.000	26330.000
σ		0.782%	0.183	1.801	0.388	0.000	4.552	127.600	134.000
%RSD		1.712	3.647	5.861	1.294	0.000	0.789	0.485	0.509
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:49:16	115300.000	13180.000	0.000	10760.000	7191.000	6886.000	52.506%	1031.000
2	08:49:59	114600.000	12880.000	0.000	10710.000	7434.000	6939.000	52.987%	1036.000
3	08:50:42	114300.000	13000.000	0.000	10900.000	7789.000	6968.000	53.086%	1038.000
x		114700.000	13020.000	0.000	10790.000	7471.000	6931.000	52.860%	1035.000
σ		524.200	154.700	0.000	97.920	300.800	41.480	0.311%	3.698
%RSD		0.457	1.189	0.000	0.908	4.026	0.598	0.587	0.357
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:49:16	171.400	142.200	2560.000	212800.000	212200.000	66.420	172.900	127.900
2	08:49:59	172.300	142.000	2554.000	212600.000	211500.000	67.070	171.400	127.700
3	08:50:42	175.600	145.800	2651.000	219400.000	219600.000	69.240	180.000	135.400
x		173.100	143.300	2588.000	214900.000	214400.000	67.580	174.800	130.300
σ		2.191	2.147	54.590	3900.000	4489.000	1.478	4.562	4.391
%RSD		1.266	1.498	2.109	1.814	2.093	2.187	2.611	3.369
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:49:16	126.300	397.100	407.600	95.710	1.852	2.090	0.000	80.940
2	08:49:59	127.300	400.500	406.100	95.660	1.750	2.351	0.000	81.670
3	08:50:42	133.600	423.700	435.300	103.000	2.255	3.454	0.000	91.450
x		129.100	407.100	416.300	98.130	1.952	2.632	0.000	84.680
σ		3.942	14.450	16.430	4.235	0.267	0.724	0.000	5.870
%RSD		3.054	3.549	3.947	4.316	13.670	27.520	0.000	6.932
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:49:16	0.000	8.248	7.975	56.360%	0.203	0.154	0.873	0.694
2	08:49:59	0.000	8.359	8.161	57.585%	0.238	0.172	0.869	0.675
3	08:50:42	0.000	9.220	9.156	50.023%	0.245	0.174	0.873	0.638
x		0.000	8.609	8.431	54.656%	0.229	0.167	0.871	0.669
σ		0.000	0.532	0.635	4.059%	0.022	0.011	0.002	0.028
%RSD		0.000	6.180	7.531	7.426	9.702	6.610	0.274	4.230
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:49:16	55.394%	2.259	0.243	0.272	570.300	565.500	66.629%	66.726%
2	08:49:59	56.729%	2.185	0.270	0.244	571.800	569.500	68.109%	68.562%
3	08:50:42	57.253%	2.243	0.251	0.246	573.500	573.500	68.745%	69.041%
x		56.459%	2.229	0.255	0.254	571.900	569.500	67.827%	68.110%
σ		0.958%	0.039	0.014	0.016	1.610	4.001	1.086%	1.222%
%RSD		1.698	1.750	5.405	6.150	0.282	0.703	1.601	1.794
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	08:49:16	1.253	1.260	89.960	87.860	88.530	70.953%		
2	08:49:59	1.278	1.265	90.270	88.210	89.240	72.633%		
3	08:50:42	1.296	1.300	91.110	89.580	90.350	72.909%		
x		1.276	1.275	90.450	88.550	89.370	72.165%		
σ		0.022	0.022	0.596	0.911	0.919	1.058%		
%RSD		1.687	1.702	0.659	1.028	1.029	1.467		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:57:31	50.608%	-0.042	-0.147	-0.391	0.000	10.860	6.058	6.024
2	08:58:14	52.224%	-0.026	-0.821	-0.351	0.000	8.375	6.940	7.044
3	08:58:57	52.183%	-0.010	-0.624	-0.408	0.000	9.455	7.476	7.428
x		51.671%	-0.026	-0.531	-0.383	0.000	9.565	6.825	6.832
σ		0.922%	0.016	0.346	0.029	0.000	1.248	0.716	0.726
%RSD		1.784	61.140	65.240	7.565	0.000	13.050	10.490	10.620

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:57:31	9.480	-145.600	0.000	39.730	16.490	21.090	54.870%	0.490
2	08:58:14	13.600	-150.200	0.000	42.590	13.380	25.390	55.591%	0.453
3	08:58:57	14.140	-156.800	0.000	38.160	17.470	15.210	55.927%	0.288
x		12.410	-150.900	0.000	40.160	15.780	20.570	55.463%	0.410
σ		2.548	5.650	0.000	2.245	2.139	5.111	0.540%	0.107
%RSD		20.540	3.745	0.000	5.590	13.550	24.850	0.974	26.170

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:57:31	0.097	0.128	0.433	46.770	16.310	-0.012	0.093	1.205
2	08:58:14	0.121	0.090	0.578	54.260	26.310	-0.005	0.037	1.170
3	08:58:57	0.105	0.141	0.644	54.650	28.260	-0.010	0.101	1.230
x		0.108	0.120	0.551	51.890	23.620	-0.009	0.077	1.202
σ		0.012	0.026	0.108	4.438	6.413	0.004	0.035	0.030
%RSD		11.290	22.120	19.510	8.551	27.150	39.720	45.260	2.510

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:57:31	1.211	1.449	1.546	0.166	-0.072	-0.508	0.000	0.058
2	08:58:14	1.218	1.498	1.513	0.264	0.034	-0.172	0.000	0.061
3	08:58:57	1.330	1.380	1.404	0.205	-0.176	-0.286	0.000	0.074
x		1.253	1.442	1.487	0.212	-0.071	-0.322	0.000	0.065
σ		0.067	0.059	0.074	0.049	0.105	0.171	0.000	0.009
%RSD		5.326	4.089	5.005	23.250	147.000	53.080	0.000	13.380

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:57:31	57.867%	0.016	0.042	63.962%	-0.004	-0.002	-0.009	0.017
2	08:58:14	58.974%	0.011	0.058	63.990%	-0.007	-0.009	-0.041	-0.023
3	08:58:57	58.919%	0.018	0.023	64.281%	-0.004	-0.005	-0.032	-0.017
x		58.587%	0.015	0.041	64.078%	-0.005	-0.005	-0.028	-0.008
σ		0.624%	0.003	0.018	0.176%	0.002	0.004	0.016	0.021
%RSD		1.065	23.140	42.760	0.275	31.380	68.150	59.380	284.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:57:31	60.366%	0.898	-0.024	-0.017	0.128	0.143	65.403%	66.298%
2	08:58:14	61.193%	0.925	-0.009	-0.023	0.155	0.169	66.789%	67.560%
3	08:58:57	61.597%	0.720	-0.008	-0.020	0.158	0.168	67.144%	68.121%
x		61.052%	0.848	-0.014	-0.020	0.147	0.160	66.446%	67.326%
σ		0.628%	0.112	0.009	0.003	0.017	0.015	0.920%	0.934%
%RSD		1.028	13.180	65.590	17.230	11.270	9.290	1.384	1.387

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:57:31	-0.011	-0.010	0.061	0.057	0.058	79.981%
2	08:58:14	-0.010	-0.010	0.067	0.074	0.065	79.787%
3	08:58:57	-0.007	-0.011	0.051	0.063	0.061	80.030%
x		-0.010	-0.010	0.060	0.065	0.062	79.933%
σ		0.002	0.001	0.008	0.009	0.004	0.128%
%RSD		20.150	7.719	13.550	13.910	5.779	0.161

CCV 781130 4/11/2013 9:05:02 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:05:44	49.461%	111.100	107.300	107.000	0.000	53000.000	53010.000	53380.000
2	09:06:28	50.233%	108.800	108.600	106.000	0.000	52510.000	52580.000	52760.000
3	09:07:10	50.674%	106.100	108.200	107.700	0.000	51660.000	51760.000	51910.000
x		50.123%	108.665%	108.011%	106.892%	0.000	104.777%	104.906%	105.372%
σ		0.614%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.225	2.282	0.634	0.781	0.000	1.291	1.212	1.401

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:05:44	524.000	5702.000	0.000	54120.000	50860.000	53030.000	52.308%	106.300
2	09:06:28	521.500	5564.000	0.000	54020.000	50770.000	53070.000	52.391%	103.000
3	09:07:10	515.200	5482.000	0.000	52970.000	50820.000	52570.000	52.417%	104.900
x		104.048%	111.654%	0.000	107.408%	101.637%	105.780%	52.372%	104.748%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.057%	n/a
%RSD		0.877	1.988	0.000	1.184	0.090	0.529	0.109	1.625

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:05:44	103.900	102.700	490.700	27580.000	24590.000	104.000	104.300	105.300
2	09:06:28	104.200	103.000	488.700	27470.000	24670.000	103.300	103.700	103.500
3	09:07:10	102.200	101.700	486.900	27250.000	24450.000	102.500	102.700	104.300
x		103.470%	102.453%	97.759%	109.732%	98.286%	103.260%	103.560%	104.373%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.058	0.653	0.391	0.612	0.455	0.709	0.773	0.822

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:05:44	104.400	99.590	101.900	99.920	99.190	100.700	0.000	103.300
2	09:06:28	102.700	99.860	101.000	98.870	101.600	99.410	0.000	102.800
3	09:07:10	102.800	99.650	99.870	98.810	101.500	102.000	0.000	103.000
x		103.297%	99.701%	100.909%	99.198%	100.740%	100.692%	0.000	103.021%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.924	0.144	1.003	0.633	1.336	1.284	0.000	0.236

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:05:44	55.076%	100.700	99.940	58.357%	97.650	99.070	98.870	101.400
2	09:06:28	55.575%	109.800	112.000	50.696%	108.500	106.400	104.400	102.500
3	09:07:10	55.111%	103.600	102.700	57.905%	97.320	98.590	99.330	100.200
x		55.254%	104.708%	104.901%	55.653%	101.170%	101.363%	100.879%	101.366%
σ		0.279%	n/a	n/a	4.298%	n/a	n/a	n/a	n/a
%RSD		0.504	4.467	6.020	7.724	6.305	4.333	3.062	1.159

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:05:44	57.014%	101.000	100.900	100.700	103.700	103.700	62.890%	63.599%
2	09:06:28	57.929%	101.500	100.100	100.100	103.000	102.700	63.937%	64.873%
3	09:07:10	57.462%	101.300	99.590	99.650	101.800	100.800	63.899%	64.792%
x		57.468%	101.242%	100.213%	100.164%	102.840%	102.414%	63.575%	64.421%
σ		0.457%	n/a	n/a	n/a	n/a	n/a	0.594%	0.713%
%RSD		0.796	0.259	0.675	0.525	0.981	1.421	0.934	1.107

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:05:44	95.530	95.210	95.000	93.980	93.900	72.536%
2	09:06:28	96.160	95.810	96.030	95.030	95.180	72.711%
3	09:07:10	95.760	95.600	95.650	94.670	94.850	71.940%
x		95.817%	95.540%	95.560%	94.560%	94.642%	72.396%
σ		n/a	n/a	n/a	n/a	n/a	0.404%
%RSD		0.333	0.315	0.548	0.566	0.704	0.558

CCB8 4/11/2013 9:13:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:13:59	73.813%	-0.009	-0.438	-0.296	0.000	-6.490	6.541	6.812
2	09:14:42	75.527%	-0.039	-0.412	-0.369	0.000	-6.917	6.498	6.098
3	09:15:25	76.252%	-0.044	-0.479	-0.370	0.000	-5.357	8.174	8.823
x		75.197%	-0.031	-0.443	-0.345	0.000	-6.255	7.071	7.244
σ		1.252%	0.019	0.034	0.042	0.000	0.806	0.955	1.413
%RSD		1.665	61.740	7.633	12.280	0.000	12.890	13.510	19.500
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:13:59	3.524	-384.400	0.000	-15.830	12.060	-14.710	73.489%	-0.071
2	09:14:42	3.552	-384.600	0.000	-18.630	9.619	-20.630	75.069%	0.060
3	09:15:25	3.995	-378.600	0.000	-17.750	19.680	-19.230	76.083%	-0.007
x		3.690	-382.500	0.000	-17.400	13.780	-18.190	74.880%	-0.006
σ		0.264	3.418	0.000	1.434	5.249	3.094	1.307%	0.066
%RSD		7.163	0.894	0.000	8.239	38.080	17.010	1.746	1149.000
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:13:59	0.033	0.031	0.765	3.916	1.984	0.002	0.107	0.174
2	09:14:42	0.039	0.021	0.785	3.124	3.080	0.009	0.017	0.177
3	09:15:25	0.037	0.034	0.883	4.219	4.714	0.013	0.092	0.166
x		0.036	0.029	0.811	3.753	3.259	0.008	0.072	0.172
σ		0.003	0.007	0.063	0.565	1.373	0.006	0.049	0.006
%RSD		8.360	24.590	7.822	15.060	42.140	72.230	67.400	3.302
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:13:59	0.202	1.857	1.778	-0.363	-0.957	-2.073	0.000	0.125
2	09:14:42	0.231	2.013	1.836	-0.556	-1.244	-2.762	0.000	0.100
3	09:15:25	0.190	1.772	2.060	-0.409	-0.928	-2.023	0.000	0.119
x		0.208	1.881	1.891	-0.443	-1.043	-2.286	0.000	0.115
σ		0.021	0.122	0.149	0.101	0.175	0.413	0.000	0.013
%RSD		10.180	6.499	7.887	22.820	16.760	18.070	0.000	11.190
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:13:59	69.165%	0.059	0.039	79.505%	-0.002	0.002	-0.030	-0.022
2	09:14:42	71.249%	0.026	0.067	80.854%	-0.002	-0.003	-0.073	-0.053
3	09:15:25	72.381%	0.031	0.044	80.996%	0.004	0.011	-0.054	-0.025
x		70.932%	0.039	0.050	80.452%	0.000	0.003	-0.052	-0.033
σ		1.631%	0.018	0.015	0.823%	0.003	0.007	0.021	0.017
%RSD		2.299	46.080	29.890	1.023	4249.000	226.200	40.580	51.060
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:13:59	71.516%	0.087	-0.004	-0.003	0.073	0.099	73.348%	74.197%
2	09:14:42	73.534%	0.068	-0.005	-0.004	0.074	0.096	75.385%	76.443%
3	09:15:25	73.924%	0.060	0.002	0.009	0.106	0.089	76.377%	77.079%
x		72.991%	0.072	-0.002	0.001	0.084	0.095	75.037%	75.906%
σ		1.292%	0.014	0.004	0.007	0.018	0.005	1.544%	1.514%
%RSD		1.770	19.010	183.600	1184.000	21.860	5.421	2.058	1.994
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	09:13:59	0.022	0.012	0.042	0.055	0.045	86.113%		
2	09:14:42	0.013	0.015	0.041	0.053	0.041	88.283%		
3	09:15:25	0.018	0.012	0.054	0.049	0.049	88.109%		
x		0.017	0.013	0.046	0.053	0.045	87.502%		
σ		0.004	0.002	0.008	0.003	0.004	1.206%		
%RSD		24.730	14.720	16.600	5.626	8.365	1.378		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:22:16	47.401%	47.950	911.600	909.400	0.000	45950.000	46150.000	46420.000
2	09:22:59	48.073%	48.220	938.000	942.900	0.000	46590.000	46580.000	46820.000
3	09:23:42	47.658%	47.220	931.800	933.200	0.000	45920.000	46120.000	46290.000
x		47.711%	47.800	927.100	928.500	0.000	46150.000	46280.000	46510.000
σ		0.339%	0.519	13.790	17.220	0.000	380.000	256.700	274.200
%RSD		0.711	1.086	1.488	1.855	0.000	0.823	0.555	0.590
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:22:16	1788.000	8178.000	0.000	47250.000	45560.000	41690.000	49.981%	924.300
2	09:22:59	1796.000	8126.000	0.000	47680.000	46220.000	42420.000	50.148%	927.400
3	09:23:42	1780.000	7989.000	0.000	46760.000	45410.000	41830.000	50.500%	912.600
x		1788.000	8098.000	0.000	47230.000	45730.000	41980.000	50.210%	921.400
σ		8.078	97.360	0.000	462.300	427.600	389.700	0.265%	7.819
%RSD		0.452	1.202	0.000	0.979	0.935	0.928	0.527	0.849
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:22:16	467.600	182.200	422.700	873.500	963.400	453.700	459.500	233.100
2	09:22:59	471.300	184.200	431.000	877.300	958.400	458.800	460.500	234.300
3	09:23:42	461.900	179.500	425.000	864.700	946.100	450.100	453.300	230.200
x		467.000	182.000	426.300	871.800	956.000	454.200	457.800	232.500
σ		4.726	2.372	4.258	6.454	8.863	4.384	3.888	2.068
%RSD		1.012	1.304	0.999	0.740	0.927	0.965	0.849	0.889
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:22:16	229.700	429.400	429.200	33.080	8.358	7.827	0.000	1014.000
2	09:22:59	229.200	433.100	435.900	33.410	8.596	8.162	0.000	1031.000
3	09:23:42	227.100	424.200	428.100	32.840	8.231	8.601	0.000	1012.000
x		228.700	428.900	431.100	33.110	8.395	8.197	0.000	1019.000
σ		1.379	4.509	4.210	0.289	0.185	0.389	0.000	10.430
%RSD		0.603	1.051	0.977	0.874	2.206	4.740	0.000	1.024
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:22:16	52.421%	983.900	1003.000	47.694%	45.820	45.140	46.040	33.210
2	09:22:59	52.792%	992.200	1017.000	48.291%	45.710	46.010	46.820	33.300
3	09:23:42	53.137%	982.400	1005.000	48.561%	45.520	45.330	46.120	33.630
x		52.783%	986.200	1008.000	48.182%	45.680	45.490	46.330	33.380
σ		0.358%	5.290	7.570	0.443%	0.152	0.461	0.426	0.221
%RSD		0.678	0.536	0.751	0.920	0.332	1.012	0.920	0.663
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:22:16	52.832%	2136.000	445.600	443.200	1821.000	1818.000	59.949%	60.765%
2	09:22:59	54.348%	2127.000	447.300	447.200	1814.000	1818.000	61.259%	62.263%
3	09:23:42	54.253%	2119.000	444.200	447.200	1819.000	1814.000	62.025%	63.179%
x		53.811%	2127.000	445.700	445.900	1818.000	1817.000	61.077%	62.069%
σ		0.849%	8.247	1.601	2.313	4.071	2.720	1.050%	1.218%
%RSD		1.578	0.388	0.359	0.519	0.224	0.150	1.719	1.963
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	09:22:16	41.670	41.240	16.100	17.400	16.550	69.738%		
2	09:22:59	42.970	42.930	16.510	18.420	17.240	69.544%		
3	09:23:42	42.790	42.700	16.560	17.920	17.130	69.730%		
x		42.480	42.290	16.390	17.910	16.970	69.671%		
σ		0.705	0.915	0.252	0.511	0.370	0.110%		
%RSD		1.659	2.164	1.536	2.853	2.182	0.157		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:30:30	43.649%	6.820	75.330	77.360	0.000	11320.000	31620.000	31680.000
2	09:31:13	43.973%	7.009	78.780	79.170	0.000	11430.000	31680.000	31680.000
3	09:31:56	44.453%	6.847	78.820	77.350	0.000	11490.000	31860.000	31790.000
x		44.025%	6.892	77.640	77.960	0.000	11420.000	31720.000	31720.000
σ		0.404%	0.102	2.002	1.049	0.000	87.030	126.100	62.690
%RSD		0.919	1.480	2.578	1.345	0.000	0.762	0.398	0.198
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:30:30	117300.000	4928.000	0.000	17650.000	4681.000	3822.000	50.246%	953.200
2	09:31:13	117900.000	4903.000	0.000	17640.000	4355.000	3764.000	51.654%	947.500
3	09:31:56	117300.000	4888.000	0.000	17500.000	4469.000	3745.000	52.240%	938.000
x		117500.000	4906.000	0.000	17600.000	4501.000	3777.000	51.380%	946.200
σ		349.900	19.980	0.000	83.720	165.800	40.310	1.025%	7.661
%RSD		0.298	0.407	0.000	0.476	3.682	1.067	1.995	0.810
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:30:30	169.300	155.200	16420.000	255100.000	255500.000	112.000	265.600	207.600
2	09:31:13	169.100	154.800	16820.000	260500.000	262200.000	115.800	275.000	216.500
3	09:31:56	169.400	156.700	16800.000	261200.000	260200.000	115.600	274.100	215.000
x		169.300	155.600	16680.000	258900.000	259300.000	114.500	271.600	213.000
σ		0.111	1.005	226.100	3343.000	3469.000	2.136	5.159	4.746
%RSD		0.066	0.646	1.355	1.291	1.338	1.866	1.900	2.228
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:30:30	204.800	560.200	568.800	211.000	1.268	1.206	0.000	1940.000
2	09:31:13	215.900	588.800	604.500	228.700	1.510	3.259	0.000	2156.000
3	09:31:56	216.300	594.000	597.100	227.400	1.537	2.286	0.000	2157.000
x		212.300	581.000	590.100	222.400	1.439	2.250	0.000	2084.000
σ		6.502	18.190	18.830	9.828	0.148	1.027	0.000	124.600
%RSD		3.062	3.131	3.191	4.420	10.300	45.640	0.000	5.977
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:30:30	0.000	248.800	250.800	53.457%	0.235	0.149	1.142	0.937
2	09:31:13	0.000	285.200	288.900	47.954%	0.250	0.166	1.409	1.104
3	09:31:56	0.000	284.600	289.600	48.388%	0.245	0.169	1.401	1.048
x		0.000	272.900	276.400	49.933%	0.243	0.162	1.317	1.030
σ		0.000	20.840	22.240	3.059%	0.008	0.010	0.152	0.085
%RSD		0.000	7.639	8.045	6.127	3.204	6.494	11.540	8.252
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:30:30	52.616%	2.370	0.261	0.264	909.900	906.200	65.785%	65.609%
2	09:31:13	54.572%	1.968	0.270	0.244	913.900	908.200	68.236%	68.000%
3	09:31:56	55.882%	1.703	0.264	0.224	904.400	906.000	69.637%	69.117%
x		54.357%	2.014	0.265	0.244	909.400	906.800	67.886%	67.576%
σ		1.644%	0.336	0.005	0.020	4.808	1.198	1.950%	1.792%
%RSD		3.024	16.660	1.770	8.111	0.529	0.132	2.872	2.652
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	09:30:30	1.224	1.173	490.300	494.800	542.600	67.930%		
2	09:31:13	1.172	1.208	495.200	503.400	546.700	70.202%		
3	09:31:56	1.190	1.182	499.700	509.600	551.300	70.996%		
x		1.195	1.188	495.100	502.600	546.800	69.710%		
σ		0.026	0.018	4.672	7.447	4.340	1.591%		
%RSD		2.216	1.493	0.944	1.482	0.794	2.283		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:38:42	46.073%	1.236	17.340	16.820	0.000	2333.000	5794.000	5854.000
2	09:39:25	47.316%	1.347	17.840	16.370	0.000	2280.000	5694.000	5704.000
3	09:40:08	47.405%	1.469	16.110	16.530	0.000	2281.000	5717.000	5736.000
x		46.932%	1.351	17.100	16.570	0.000	2298.000	5735.000	5765.000
σ		0.745%	0.117	0.887	0.229	0.000	30.240	52.580	79.200
%RSD		1.587	8.641	5.186	1.382	0.000	1.316	0.917	1.374

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:38:42	24120.000	693.500	0.000	3763.000	915.100	799.300	50.084%	197.900
2	09:39:25	23580.000	662.900	0.000	3723.000	933.400	796.600	50.295%	199.200
3	09:40:08	23480.000	656.400	0.000	3758.000	877.200	807.800	50.397%	200.000
x		23730.000	670.900	0.000	3748.000	908.600	801.200	50.259%	199.100
σ		341.600	19.810	0.000	21.980	28.690	5.829	0.160%	1.076
%RSD		1.440	2.953	0.000	0.586	3.158	0.728	0.318	0.540

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:38:42	34.950	32.550	3430.000	53720.000	53140.000	23.210	55.400	43.600
2	09:39:25	34.980	32.090	3421.000	53600.000	52850.000	23.250	55.500	43.900
3	09:40:08	34.900	31.960	3506.000	54960.000	54080.000	24.020	57.730	45.150
x		34.940	32.200	3452.000	54090.000	53360.000	23.490	56.210	44.220
σ		0.041	0.310	46.880	752.400	643.200	0.454	1.318	0.824
%RSD		0.117	0.963	1.358	1.391	1.206	1.934	2.345	1.863

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:38:42	43.180	118.400	120.600	43.740	0.013	-0.560	0.000	332.600
2	09:39:25	42.540	116.700	118.200	43.390	-0.363	-0.586	0.000	334.300
3	09:40:08	45.530	124.400	128.700	47.080	0.182	0.992	0.000	373.000
x		43.750	119.800	122.500	44.740	-0.056	-0.051	0.000	346.600
σ		1.572	4.068	5.499	2.034	0.279	0.904	0.000	22.850
%RSD		3.593	3.395	4.489	4.548	498.400	1766.000	0.000	6.592

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:38:42	0.000	48.280	47.340	56.738%	0.039	0.029	0.275	0.246
2	09:39:25	0.000	48.910	48.410	56.905%	0.045	0.028	0.245	0.248
3	09:40:08	0.000	56.300	56.080	49.142%	0.042	0.033	0.331	0.190
x		0.000	51.160	50.610	54.261%	0.042	0.030	0.283	0.228
σ		0.000	4.458	4.768	4.435%	0.003	0.003	0.044	0.033
%RSD		0.000	8.712	9.420	8.173	6.205	9.326	15.570	14.620

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:38:42	54.167%	0.442	0.039	0.045	190.800	190.700	61.233%	61.958%
2	09:39:25	55.415%	0.449	0.048	0.075	188.400	188.400	62.823%	63.782%
3	09:40:08	55.593%	0.385	0.045	0.057	189.000	189.400	63.360%	63.939%
x		55.058%	0.425	0.044	0.059	189.400	189.500	62.472%	63.226%
σ		0.777%	0.035	0.005	0.015	1.278	1.152	1.106%	1.101%
%RSD		1.411	8.162	10.570	25.860	0.675	0.608	1.771	1.742

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:38:42	0.226	0.228	96.120	96.850	96.730	71.989%
2	09:39:25	0.251	0.232	98.360	99.890	99.320	71.754%
3	09:40:08	0.236	0.231	98.230	99.370	99.560	72.535%
x		0.237	0.231	97.570	98.710	98.540	72.093%
σ		0.013	0.002	1.259	1.625	1.569	0.401%
%RSD		5.384	0.893	1.290	1.646	1.592	0.556

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:46:56	43.223%	6.977	74.890	74.240	0.000	11460.000	31590.000	31710.000
2	09:47:39	44.479%	7.036	76.130	74.330	0.000	11390.000	31360.000	31420.000
3	09:48:22	44.835%	6.994	77.950	76.310	0.000	11560.000	31720.000	31650.000
x		44.179%	7.002	76.320	74.960	0.000	11470.000	31560.000	31590.000
σ		0.847%	0.030	1.539	1.171	0.000	84.000	180.400	151.900
%RSD		1.917	0.430	2.016	1.562	0.000	0.733	0.572	0.481

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:46:56	118500.000	5047.000	0.000	17790.000	11060.000	9728.000	50.673%	976.100
2	09:47:39	117200.000	4952.000	0.000	17730.000	10760.000	9756.000	51.919%	980.400
3	09:48:22	118500.000	5009.000	0.000	17970.000	11280.000	9896.000	51.749%	983.100
x		118100.000	5003.000	0.000	17830.000	11030.000	9794.000	51.447%	979.900
σ		775.900	47.790	0.000	124.300	257.300	89.970	0.676%	3.529
%RSD		0.657	0.955	0.000	0.698	2.332	0.919	1.313	0.360

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:46:56	169.600	154.800	15760.000	259300.000	260700.000	109.700	262.500	206.000
2	09:47:39	170.700	157.800	16190.000	266800.000	266900.000	113.400	272.300	216.400
3	09:48:22	172.100	158.900	16280.000	269100.000	271100.000	115.100	275.100	218.800
x		170.800	157.200	16080.000	265100.000	266300.000	112.700	270.000	213.700
σ		1.263	2.141	277.600	5146.000	5244.000	2.735	6.609	6.761
%RSD		0.739	1.362	1.726	1.941	1.970	2.427	2.448	3.164

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:46:56	204.400	553.000	558.500	209.600	0.889	0.893	0.000	1727.000
2	09:47:39	216.200	580.900	597.800	226.700	1.589	3.387	0.000	1933.000
3	09:48:22	215.500	589.400	603.300	229.000	1.832	2.953	0.000	1939.000
x		212.000	574.500	586.500	221.800	1.437	2.411	0.000	1867.000
σ		6.617	19.030	24.430	10.620	0.489	1.332	0.000	120.700
%RSD		3.121	3.312	4.166	4.790	34.060	55.270	0.000	6.469

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:46:56	0.000	272.700	274.100	53.865%	0.232	0.141	1.304	1.105
2	09:47:39	0.000	313.200	315.700	47.657%	0.233	0.159	1.339	1.019
3	09:48:22	0.000	316.600	319.300	48.049%	0.262	0.184	1.338	0.938
x		0.000	300.800	303.000	49.857%	0.242	0.161	1.327	1.020
σ		0.000	24.430	25.130	3.477%	0.017	0.021	0.020	0.084
%RSD		0.000	8.120	8.294	6.973	7.095	13.270	1.515	8.191

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:46:56	52.960%	1.138	0.240	0.230	878.400	876.900	65.923%	66.391%
2	09:47:39	54.648%	1.211	0.230	0.217	886.700	876.500	68.231%	68.613%
3	09:48:22	55.041%	1.102	0.222	0.233	893.000	892.000	68.222%	68.464%
x		54.216%	1.151	0.231	0.227	886.000	881.800	67.459%	67.823%
σ		1.106%	0.056	0.009	0.008	7.312	8.847	1.330%	1.242%
%RSD		2.039	4.827	3.992	3.692	0.825	1.003	1.972	1.832

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:46:56	1.159	1.158	426.000	433.000	432.400	69.233%
2	09:47:39	1.181	1.187	437.100	443.000	442.100	70.116%
3	09:48:22	1.207	1.203	445.000	453.700	489.500	69.634%
x		1.182	1.183	436.100	443.200	454.700	69.661%
σ		0.024	0.023	9.533	10.320	30.590	0.442%
%RSD		2.058	1.947	2.186	2.328	6.728	0.635

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:59:54	29.250%	61.800	1125.000	1115.000	0.000	58150.000	77580.000	74770.000
2	12:00:38	30.029%	61.900	1151.000	1132.000	0.000	58330.000	77140.000	74370.000
3	12:01:22	30.135%	63.180	1158.000	1136.000	0.000	57170.000	75950.000	72950.000
x		29.805%	62.290	1145.000	1128.000	0.000	57880.000	76890.000	74030.000
σ		0.483%	0.768	17.140	11.080	0.000	625.700	839.700	953.900
%RSD		1.621	1.233	1.498	0.983	0.000	1.081	1.092	1.289

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:59:54	157000.000	12410.000	0.000	53020.000	45850.000	43060.000	25.514%	1978.000
2	12:00:38	155800.000	12300.000	0.000	52860.000	45910.000	43280.000	26.097%	2007.000
3	12:01:22	152500.000	12130.000	0.000	51940.000	45120.000	43150.000	26.569%	1989.000
x		155100.000	12280.000	0.000	52610.000	45630.000	43160.000	26.060%	1991.000
σ		2322.000	143.000	0.000	580.200	435.900	109.200	0.528%	14.920
%RSD		1.497	1.164	0.000	1.103	0.955	0.253	2.027	0.749

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:59:54	772.400	410.800	18810.000	296600.000	301700.000	619.200	782.400	473.600
2	12:00:38	783.800	416.900	18650.000	294600.000	296500.000	626.600	796.600	480.900
3	12:01:22	775.900	410.200	18260.000	289500.000	291200.000	620.100	783.700	475.500
x		777.400	412.600	18570.000	293600.000	296500.000	622.000	787.600	476.700
σ		5.817	3.693	284.000	3672.000	5277.000	4.063	7.826	3.773
%RSD		0.748	0.895	1.529	1.251	1.780	0.653	0.994	0.791

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:59:54	481.600	1094.000	1109.000	296.200	12.780	16.220	0.000	3334.000
2	12:00:38	487.300	1110.000	1129.000	296.600	12.380	14.450	0.000	3246.000
3	12:01:22	483.500	1098.000	1123.000	299.100	12.270	15.030	0.000	3188.000
x		484.100	1101.000	1120.000	297.300	12.480	15.230	0.000	3256.000
σ		2.918	8.654	10.450	1.571	0.269	0.898	0.000	73.530
%RSD		0.603	0.786	0.933	0.528	2.154	5.898	0.000	2.259

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:59:54	0.000	1448.000	1448.000	22.366%	46.800	46.870	48.870	45.640
2	12:00:38	0.000	1448.000	1453.000	24.250%	47.980	46.340	49.350	46.520
3	12:01:22	0.000	1433.000	1436.000	25.067%	47.950	47.120	48.800	46.640
x		0.000	1443.000	1446.000	23.894%	47.580	46.780	49.010	46.270
σ		0.000	8.984	8.374	1.385%	0.674	0.400	0.295	0.550
%RSD		0.000	0.623	0.579	5.797	1.417	0.855	0.603	1.188

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:59:54	24.965%	574.100	132.300	130.900	2915.000	2894.000	28.740%	27.906%
2	12:00:38	27.216%	577.500	132.500	132.000	2938.000	2923.000	32.276%	31.040%
3	12:01:22	28.089%	578.300	131.500	131.200	2917.000	2901.000	34.317%	33.443%
x		26.756%	576.600	132.100	131.400	2923.000	2906.000	31.778%	30.796%
σ		1.612%	2.225	0.499	0.610	12.370	15.060	2.822%	2.777%
%RSD		6.024	0.386	0.377	0.465	0.423	0.518	8.879	9.016

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	11:59:54	51.280	50.410	602.900	612.400	611.100	18.841%
2	12:00:38	53.260	51.650	615.700	624.500	625.100	21.084%
3	12:01:22	52.620	51.490	609.000	620.300	619.000	22.978%
x		52.380	51.180	609.200	619.100	618.400	20.967%
σ		1.010	0.677	6.365	6.156	7.005	2.071%
%RSD		1.928	1.323	1.045	0.994	1.133	9.878

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:09:41	29.191%	63.200	1177.000	1158.000	0.000	61910.000	76240.000	73240.000
2	12:10:24	29.861%	65.090	1182.000	1177.000	0.000	60900.000	75180.000	72240.000
3	12:11:07	30.000%	65.060	1200.000	1181.000	0.000	61150.000	75160.000	71970.000
x		29.684%	64.450	1186.000	1172.000	0.000	61320.000	75530.000	72480.000
σ		0.433%	1.079	12.420	12.300	0.000	523.900	617.800	669.800
%RSD		1.457	1.675	1.047	1.049	0.000	0.854	0.818	0.924

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:09:41	98150.000	12400.000	0.000	45560.000	49600.000	47170.000	24.233%	2040.000
2	12:10:24	96820.000	12170.000	0.000	45310.000	48980.000	46940.000	24.773%	2019.000
3	12:11:07	96820.000	12120.000	0.000	45200.000	49700.000	47170.000	25.020%	2023.000
x		97270.000	12230.000	0.000	45360.000	49420.000	47090.000	24.675%	2027.000
σ		769.500	150.100	0.000	183.300	389.400	134.000	0.403%	11.210
%RSD		0.791	1.228	0.000	0.404	0.788	0.285	1.631	0.553

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:09:41	723.700	375.600	17350.000	263300.000	265200.000	666.400	824.300	489.700
2	12:10:24	724.600	376.100	17080.000	259100.000	260100.000	654.500	816.300	486.900
3	12:11:07	721.900	373.900	17090.000	259000.000	260800.000	658.600	818.800	488.000
x		723.400	375.200	17170.000	260500.000	262000.000	659.900	819.800	488.200
σ		1.366	1.160	154.700	2414.000	2764.000	6.050	4.116	1.444
%RSD		0.189	0.309	0.901	0.927	1.055	0.917	0.502	0.296

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:09:41	492.000	1123.000	1140.000	295.500	13.350	15.050	0.000	3531.000
2	12:10:24	487.000	1118.000	1144.000	292.600	13.480	14.700	0.000	3492.000
3	12:11:07	485.500	1123.000	1143.000	293.500	12.840	15.810	0.000	3478.000
x		488.200	1121.000	1143.000	293.800	13.220	15.190	0.000	3500.000
σ		3.409	2.707	1.911	1.464	0.337	0.566	0.000	27.750
%RSD		0.698	0.241	0.167	0.498	2.547	3.724	0.000	0.793

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:09:41	0.000	1570.000	1554.000	24.158%	52.970	52.760	53.280	45.000
2	12:10:24	0.000	1557.000	1568.000	24.931%	53.020	52.520	51.730	45.550
3	12:11:07	0.000	1565.000	1564.000	25.269%	52.930	52.310	52.550	44.850
x		0.000	1564.000	1562.000	24.786%	52.970	52.530	52.520	45.140
σ		0.000	6.503	7.262	0.570%	0.043	0.222	0.778	0.365
%RSD		0.000	0.416	0.465	2.298	0.082	0.423	1.481	0.809

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:09:41	26.702%	2130.000	503.300	500.100	2925.000	2900.000	33.117%	32.446%
2	12:10:24	27.904%	2119.000	506.400	502.500	2914.000	2888.000	34.715%	34.066%
3	12:11:07	28.673%	2104.000	505.900	499.500	2916.000	2859.000	35.460%	34.844%
x		27.760%	2117.000	505.200	500.700	2918.000	2882.000	34.430%	33.786%
σ		0.994%	13.190	1.662	1.568	6.164	20.910	1.197%	1.223%
%RSD		3.580	0.623	0.329	0.313	0.211	0.726	3.477	3.620

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	12:09:41	56.910	55.700	589.200	599.000	597.200	22.470%
2	12:10:24	56.950	55.530	589.800	601.200	598.300	23.916%
3	12:11:07	56.940	55.390	587.900	597.800	598.200	24.583%
x		56.930	55.540	589.000	599.400	597.900	23.656%
σ		0.021	0.154	0.969	1.739	0.597	1.080%
%RSD		0.037	0.277	0.165	0.290	0.100	4.566

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:17:59	29.523%	6.053	135.800	137.200	0.000	2007.000	10660.000	10230.000
2	12:18:42	30.265%	6.198	144.900	136.100	0.000	1986.000	10540.000	10120.000
3	12:19:26	29.949%	6.451	142.700	137.200	0.000	2045.000	10830.000	10400.000
x		29.912%	6.234	141.100	136.800	0.000	2013.000	10670.000	10250.000
σ		0.372%	0.201	4.750	0.636	0.000	29.960	150.100	139.000
%RSD		1.245	3.225	3.367	0.465	0.000	1.489	1.406	1.356
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:17:59	72420.000	3368.000	0.000	10760.000	7516.000	6030.000	23.148%	957.300
2	12:18:42	71610.000	3334.000	0.000	10810.000	7418.000	6017.000	23.451%	947.000
3	12:19:26	72610.000	3438.000	0.000	10880.000	7764.000	6169.000	23.273%	978.500
x		72220.000	3380.000	0.000	10820.000	7566.000	6072.000	23.291%	960.900
σ		529.300	53.050	0.000	61.030	178.600	84.270	0.152%	16.090
%RSD		0.733	1.570	0.000	0.564	2.360	1.388	0.654	1.675
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:17:59	187.000	92.370	24110.000	181500.000	182200.000	191.400	94.710	58.980
2	12:18:42	187.000	92.980	23860.000	178600.000	180400.000	192.900	93.500	59.340
3	12:19:26	191.500	94.620	24470.000	183300.000	184500.000	196.600	97.310	60.160
x		188.500	93.320	24150.000	181100.000	182400.000	193.700	95.170	59.490
σ		2.607	1.163	307.700	2400.000	2065.000	2.665	1.946	0.606
%RSD		1.383	1.247	1.274	1.325	1.132	1.376	2.044	1.018
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:17:59	59.360	374.800	382.700	1570.000	4.836	7.045	0.000	9165.000
2	12:18:42	59.830	378.500	385.500	1570.000	5.648	7.046	0.000	9053.000
3	12:19:26	60.100	379.400	392.900	1610.000	4.380	7.250	0.000	9299.000
x		59.760	377.600	387.000	1583.000	4.954	7.114	0.000	9172.000
σ		0.371	2.442	5.293	22.690	0.642	0.118	0.000	123.100
%RSD		0.622	0.647	1.368	1.433	12.960	1.661	0.000	1.342
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:17:59	0.000	1894.000	1886.000	24.623%	0.361	0.325	2.405	2.109
2	12:18:42	0.000	1890.000	1887.000	25.342%	0.338	0.334	2.318	1.744
3	12:19:26	0.000	1937.000	1931.000	25.249%	0.382	0.332	2.184	1.689
x		0.000	1907.000	1901.000	25.071%	0.360	0.331	2.302	1.847
σ		0.000	26.300	25.880	0.391%	0.022	0.005	0.111	0.229
%RSD		0.000	1.379	1.361	1.559	6.025	1.481	4.828	12.370
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:17:59	27.499%	4.147	2.437	2.406	970.200	961.100	31.656%	31.685%
2	12:18:42	28.755%	3.576	1.952	1.978	956.600	954.600	33.190%	32.592%
3	12:19:26	28.335%	3.218	1.477	1.594	984.400	982.800	32.927%	33.034%
x		28.196%	3.647	1.955	1.992	970.400	966.200	32.591%	32.437%
σ		0.639%	0.469	0.480	0.406	13.890	14.740	0.820%	0.688%
%RSD		2.266	12.850	24.550	20.370	1.431	1.526	2.516	2.120
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	12:17:59	1.407	1.341	212.400	209.500	211.200	23.956%		
2	12:18:42	1.464	1.393	216.800	214.400	215.800	24.505%		
3	12:19:26	1.368	1.373	218.200	219.100	218.600	24.744%		
x		1.413	1.369	215.800	214.300	215.200	24.402%		
σ		0.048	0.026	3.040	4.821	3.760	0.404%		
%RSD		3.420	1.930	1.409	2.249	1.747	1.656		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:30	30.926%	3.329	122.400	121.300	0.000	5974.000	17600.000	16840.000
2	12:29:13	30.841%	3.642	125.600	121.300	0.000	5885.000	17310.000	16630.000
3	12:29:56	31.257%	3.726	131.000	122.400	0.000	5849.000	17260.000	16630.000
x		31.008%	3.565	126.400	121.700	0.000	5902.000	17390.000	16700.000
σ		0.220%	0.209	4.344	0.629	0.000	64.190	183.700	120.000
%RSD		0.708	5.872	3.437	0.517	0.000	1.087	1.057	0.719

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:30	87240.000	3248.000	0.000	16630.000	2253.000	2017.000	23.480%	942.300
2	12:29:13	86370.000	3234.000	0.000	16390.000	2213.000	1962.000	23.849%	951.500
3	12:29:56	86030.000	3237.000	0.000	16250.000	2029.000	2005.000	23.677%	935.000
x		86550.000	3240.000	0.000	16430.000	2165.000	1995.000	23.669%	942.900
σ		625.900	7.340	0.000	190.600	119.500	29.100	0.185%	8.294
%RSD		0.723	0.227	0.000	1.161	5.521	1.459	0.780	0.880

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:30	190.800	129.700	4110.000	198200.000	199300.000	61.220	120.300	102.700
2	12:29:13	188.000	128.200	4025.000	194800.000	195600.000	59.690	118.900	103.500
3	12:29:56	190.800	128.100	4065.000	195200.000	196000.000	61.390	120.600	101.300
x		189.900	128.700	4067.000	196100.000	197000.000	60.770	119.900	102.500
σ		1.646	0.908	42.610	1826.000	2072.000	0.938	0.926	1.077
%RSD		0.867	0.706	1.048	0.931	1.052	1.543	0.772	1.050

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:30	102.700	305.600	314.100	79.170	3.549	5.202	0.000	147.500
2	12:29:13	100.800	307.900	319.300	76.750	4.138	4.417	0.000	147.400
3	12:29:56	103.000	306.300	314.600	78.320	3.110	4.267	0.000	147.700
x		102.200	306.600	316.000	78.080	3.599	4.629	0.000	147.500
σ		1.227	1.202	2.901	1.227	0.516	0.502	0.000	0.162
%RSD		1.201	0.392	0.918	1.571	14.330	10.860	0.000	0.110

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:30	0.000	2894.000	2896.000	24.850%	0.272	0.198	1.470	1.053
2	12:29:13	0.000	2889.000	2891.000	25.228%	0.299	0.211	1.364	0.924
3	12:29:56	0.000	2889.000	2888.000	25.451%	0.275	0.197	1.337	0.988
x		0.000	2891.000	2891.000	25.176%	0.282	0.202	1.391	0.989
σ		0.000	2.883	4.248	0.304%	0.015	0.008	0.070	0.064
%RSD		0.000	0.100	0.147	1.208	5.289	3.943	5.047	6.511

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:30	28.182%	2.437	0.651	0.670	500.000	492.800	32.412%	32.020%
2	12:29:13	28.613%	2.217	0.566	0.563	502.000	493.400	33.005%	32.654%
3	12:29:56	28.824%	2.035	0.539	0.538	494.400	492.700	33.434%	33.095%
x		28.539%	2.230	0.586	0.590	498.800	493.000	32.950%	32.590%
σ		0.327%	0.202	0.058	0.070	3.956	0.370	0.513%	0.540%
%RSD		1.146	9.039	9.958	11.850	0.793	0.075	1.558	1.658

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:30	1.095	1.012	110.400	108.900	109.100	24.003%
2	12:29:13	1.058	1.074	110.900	108.600	109.400	24.579%
3	12:29:56	1.088	1.082	111.400	107.800	109.600	24.907%
x		1.080	1.056	110.900	108.400	109.400	24.497%
σ		0.020	0.038	0.511	0.529	0.214	0.457%
%RSD		1.838	3.596	0.461	0.488	0.196	1.867

240-22274-B-25-C 4/11/2013 12:37:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:38:11	30.739%	7.784	40.690	41.040	0.000	649.800	32910.000	31610.000
2	12:38:54	31.095%	7.382	41.730	42.890	0.000	648.000	32640.000	31520.000
3	12:39:37	30.768%	8.015	39.650	43.910	0.000	661.800	33210.000	31900.000
x		30.867%	7.727	40.690	42.610	0.000	653.200	32920.000	31680.000
σ		0.197%	0.321	1.039	1.454	0.000	7.513	286.100	197.100
%RSD		0.640	4.148	2.554	3.412	0.000	1.150	0.869	0.622

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:38:11	104400.000	3620.000	0.000	7728.000	8531.000	7860.000	24.264%	1087.000
2	12:38:54	104200.000	3638.000	0.000	7747.000	8303.000	7855.000	24.742%	1077.000
3	12:39:37	104900.000	3656.000	0.000	7848.000	8343.000	8070.000	24.795%	1089.000
x		104500.000	3638.000	0.000	7775.000	8392.000	7928.000	24.600%	1084.000
σ		319.600	17.880	0.000	64.540	121.700	122.600	0.292%	6.673
%RSD		0.306	0.491	0.000	0.830	1.450	1.547	1.189	0.616

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:38:11	196.900	176.900	11360.000	286200.000	289200.000	125.200	293.600	240.000
2	12:38:54	199.500	175.500	11270.000	283700.000	285500.000	122.800	293.000	240.600
3	12:39:37	201.700	177.500	11380.000	285300.000	287500.000	123.800	296.100	243.400
x		199.400	176.600	11340.000	285100.000	287400.000	123.900	294.200	241.400
σ		2.430	1.021	61.150	1230.000	1873.000	1.212	1.671	1.808
%RSD		1.218	0.578	0.539	0.432	0.652	0.978	0.568	0.749

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:38:11	243.000	626.800	632.900	224.800	2.890	6.311	0.000	1181.000
2	12:38:54	241.100	626.600	650.400	225.900	3.037	5.042	0.000	1179.000
3	12:39:37	243.500	633.000	641.500	226.800	2.763	5.762	0.000	1198.000
x		242.500	628.800	641.600	225.900	2.897	5.705	0.000	1186.000
σ		1.255	3.653	8.789	1.034	0.137	0.636	0.000	10.330
%RSD		0.518	0.581	1.370	0.458	4.721	11.150	0.000	0.871

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:38:11	0.000	30.620	29.900	25.279%	0.230	0.193	1.693	1.413
2	12:38:54	0.000	30.090	29.980	26.015%	0.271	0.180	1.572	1.194
3	12:39:37	0.000	29.270	30.220	26.095%	0.242	0.142	1.519	1.233
x		0.000	29.990	30.030	25.796%	0.248	0.172	1.595	1.280
σ		0.000	0.681	0.165	0.449%	0.021	0.026	0.089	0.117
%RSD		0.000	2.271	0.548	1.742	8.599	15.390	5.578	9.105

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:38:11	27.941%	1.632	0.401	0.414	853.800	840.900	35.000%	34.554%
2	12:38:54	29.258%	1.625	0.433	0.440	855.100	842.600	36.482%	35.946%
3	12:39:37	29.510%	1.503	0.384	0.409	851.000	849.800	37.246%	36.572%
x		28.903%	1.587	0.406	0.421	853.300	844.400	36.243%	35.691%
σ		0.842%	0.072	0.025	0.017	2.063	4.732	1.142%	1.033%
%RSD		2.915	4.553	6.072	4.036	0.242	0.560	3.151	2.895

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	12:38:11	1.853	1.827	369.600	376.900	374.100	24.276%
2	12:38:54	1.972	1.906	374.100	379.300	378.400	25.120%
3	12:39:37	1.934	1.851	378.900	384.000	383.000	25.407%
x		1.920	1.861	374.200	380.100	378.500	24.934%
σ		0.061	0.040	4.656	3.634	4.495	0.588%
%RSD		3.182	2.171	1.244	0.956	1.188	2.357

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:46:26	32.073%	2.420	19.840	18.150	0.000	262.800	8600.000	8257.000
2	12:47:09	32.518%	2.161	21.090	19.850	0.000	272.400	8781.000	8451.000
3	12:47:53	33.663%	2.115	19.160	18.460	0.000	267.800	8559.000	8289.000
x		32.752%	2.232	20.030	18.820	0.000	267.700	8647.000	8332.000
σ		0.820%	0.164	0.979	0.904	0.000	4.810	118.200	104.100
%RSD		2.504	7.363	4.886	4.803	0.000	1.797	1.366	1.249

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:46:26	26960.000	3232.000	0.000	2653.000	3509.000	3216.000	24.294%	298.200
2	12:47:09	27460.000	3354.000	0.000	2134.000	3553.000	3329.000	24.304%	300.600
3	12:47:53	26660.000	3279.000	0.000	2365.000	3401.000	3183.000	24.718%	296.800
x		27030.000	3288.000	0.000	2384.000	3488.000	3243.000	24.438%	298.500
σ		406.400	61.400	0.000	260.200	78.330	76.560	0.242%	1.926
%RSD		1.504	1.867	0.000	10.920	2.246	2.361	0.990	0.645

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:46:26	64.570	64.440	3506.000	140700.000	141100.000	61.770	148.600	76.780
2	12:47:09	66.450	65.440	3554.000	142000.000	142100.000	62.540	151.800	79.540
3	12:47:53	64.590	63.860	3507.000	140500.000	140700.000	62.080	148.100	77.110
x		65.210	64.580	3522.000	141100.000	141300.000	62.130	149.500	77.810
σ		1.080	0.796	27.360	848.900	727.600	0.388	1.999	1.507
%RSD		1.657	1.232	0.777	0.602	0.515	0.624	1.337	1.937

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:46:26	78.340	238.500	244.700	188.300	1.666	2.499	0.000	34.890
2	12:47:09	78.710	247.500	257.000	196.600	1.416	2.489	0.000	35.880
3	12:47:53	78.090	247.300	251.900	194.300	1.638	3.227	0.000	35.680
x		78.380	244.400	251.200	193.000	1.573	2.738	0.000	35.480
σ		0.310	5.130	6.171	4.297	0.137	0.423	0.000	0.524
%RSD		0.396	2.099	2.457	2.226	8.723	15.450	0.000	1.478

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:46:26	0.000	5.095	5.285	26.114%	0.084	0.054	0.762	0.523
2	12:47:09	0.000	5.198	5.326	26.675%	0.112	0.054	0.502	0.353
3	12:47:53	0.000	5.347	4.964	26.968%	0.096	0.039	0.636	0.495
x		0.000	5.213	5.192	26.586%	0.097	0.049	0.633	0.457
σ		0.000	0.127	0.198	0.434%	0.014	0.009	0.130	0.091
%RSD		0.000	2.439	3.818	1.632	14.410	17.630	20.560	19.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:46:26	28.857%	1.962	0.420	0.426	197.100	195.000	33.885%	33.364%
2	12:47:09	29.649%	2.238	0.488	0.457	201.400	197.500	35.136%	34.733%
3	12:47:53	30.424%	2.233	0.489	0.520	196.900	192.900	35.116%	34.969%
x		29.643%	2.144	0.466	0.467	198.400	195.100	34.713%	34.355%
σ		0.784%	0.158	0.039	0.048	2.542	2.307	0.717%	0.867%
%RSD		2.644	7.374	8.447	10.240	1.281	1.183	2.065	2.522

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	12:46:26	0.927	0.932	68.240	68.760	68.250	25.603%
2	12:47:09	0.965	0.920	71.090	70.010	70.120	25.892%
3	12:47:53	0.887	0.923	70.140	68.780	68.990	26.145%
x		0.926	0.925	69.820	69.180	69.120	25.880%
σ		0.039	0.006	1.451	0.714	0.942	0.271%
%RSD		4.202	0.666	2.078	1.033	1.362	1.049

CCV 781130 4/11/2013 12:53:58 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:54:41	33.255%	117.100	118.500	114.100	0.000	52200.000	49210.000	47280.000
2	12:55:24	34.222%	117.900	118.400	114.500	0.000	50800.000	48220.000	46540.000
3	12:56:07	33.822%	114.800	116.700	112.000	0.000	50670.000	48020.000	46010.000
x		33.766%	116.634%	117.866%	113.556%	0.000	102.443%	96.967%	93.227%
σ		0.486%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.438	1.395	0.867	1.202	0.000	1.656	1.313	1.371
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:54:41	479.900	4068.000	0.000	37290.000	49230.000	46650.000	24.636%	113.100
2	12:55:24	479.900	3990.000	0.000	37030.000	48610.000	47030.000	24.790%	110.300
3	12:56:07	482.300	3958.000	0.000	36410.000	47720.000	46130.000	24.694%	109.200
x		96.138%	80.106%	0.000	73.823%	97.041%	93.208%	24.707%	110.881%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.078%	n/a
%RSD		0.282	1.411	0.000	1.224	1.565	0.967	0.315	1.810
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:54:41	113.300	111.700	528.100	28490.000	26530.000	111.100	110.100	110.000
2	12:55:24	112.900	111.700	526.900	28240.000	26650.000	112.000	111.000	110.400
3	12:56:07	110.800	109.800	525.800	28000.000	26390.000	111.600	109.200	108.900
x		112.348%	111.056%	105.386%	112.976%	106.094%	111.560%	110.116%	109.756%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.238	0.954	0.213	0.853	0.505	0.399	0.831	0.674
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:54:41	109.900	105.700	104.100	106.400	106.000	105.000	0.000	105.000
2	12:55:24	109.400	105.100	108.100	107.100	106.700	104.100	0.000	105.000
3	12:56:07	108.500	103.900	104.600	104.600	107.400	102.000	0.000	104.600
x		109.242%	104.910%	105.573%	106.053%	106.681%	103.717%	0.000	104.841%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.649	0.856	2.054	1.211	0.674	1.472	0.000	0.217
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:54:41	30.614%	110.600	114.100	26.594%	107.600	106.900	104.300	102.200
2	12:55:24	30.852%	115.100	117.200	26.773%	108.800	107.500	106.700	103.200
3	12:56:07	30.894%	114.600	115.400	26.944%	106.800	107.400	105.300	103.100
x		30.787%	113.442%	115.574%	26.770%	107.752%	107.282%	105.452%	102.819%
σ		0.151%	n/a	n/a	0.175%	n/a	n/a	n/a	n/a
%RSD		0.490	2.181	1.341	0.655	0.920	0.322	1.137	0.563
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:54:41	29.681%	105.100	104.200	104.400	109.900	108.000	32.688%	32.731%
2	12:55:24	29.985%	105.100	104.500	104.000	110.800	108.300	33.464%	33.515%
3	12:56:07	29.734%	104.400	102.700	103.600	107.900	108.200	33.567%	33.445%
x		29.800%	104.866%	103.821%	103.995%	109.519%	108.169%	33.240%	33.230%
σ		0.162%	n/a	n/a	n/a	n/a	n/a	0.481%	0.434%
%RSD		0.545	0.410	0.905	0.417	1.321	0.149	1.446	1.305
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	12:54:41	112.500	111.100	112.300	111.800	112.100	26.013%		
2	12:55:24	114.100	111.900	113.300	113.300	112.900	26.660%		
3	12:56:07	113.000	111.500	112.500	111.800	112.100	26.490%		
x		113.238%	111.521%	112.698%	112.304%	112.357%	26.388%		
σ		n/a	n/a	n/a	n/a	n/a	0.335%		
%RSD		0.728	0.348	0.490	0.743	0.386	1.270		

CCB9 4/11/2013 1:02:15 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:02:58	33.760%	-0.002	1.691	1.439	0.000	52.150	10.680	10.670
2	13:03:41	35.284%	-0.005	2.035	1.480	0.000	49.430	11.050	10.880
3	13:04:24	35.898%	0.019	0.955	1.498	0.000	54.110	13.130	13.850
x		34.981%	0.004	1.560	1.472	0.000	51.890	11.620	11.800
σ		1.101%	0.013	0.552	0.031	0.000	2.351	1.318	1.774
%RSD		3.146	323.600	35.360	2.077	0.000	4.530	11.350	15.030

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:02:58	5.299	-437.400	0.000	-15.650	22.800	-47.390	24.986%	0.005
2	13:03:41	4.982	-432.900	0.000	-14.310	18.970	-40.230	25.756%	0.255
3	13:04:24	6.202	-404.400	0.000	-9.348	21.270	-35.220	26.441%	0.061
x		5.494	-424.900	0.000	-13.100	21.010	-40.950	25.728%	0.107
σ		0.633	17.930	0.000	3.321	1.928	6.117	0.728%	0.131
%RSD		11.520	4.219	0.000	25.340	9.174	14.940	2.829	123.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:02:58	0.016	-0.136	1.295	17.230	11.820	0.039	0.432	0.322
2	13:03:41	0.006	-0.100	1.293	17.460	13.620	0.044	0.421	0.248
3	13:04:24	-0.019	-0.070	1.528	19.880	19.690	0.034	0.189	0.359
x		0.001	-0.102	1.372	18.190	15.040	0.039	0.347	0.310
σ		0.018	0.033	0.135	1.468	4.125	0.005	0.137	0.057
%RSD		1938.000	32.160	9.825	8.073	27.420	13.530	39.410	18.280

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:02:58	0.385	2.808	2.630	0.461	0.687	1.403	0.000	0.153
2	13:03:41	0.346	2.611	2.903	0.337	0.596	0.870	0.000	0.160
3	13:04:24	0.369	2.543	2.588	0.283	1.134	0.487	0.000	0.190
x		0.367	2.654	2.707	0.360	0.806	0.920	0.000	0.168
σ		0.020	0.137	0.171	0.091	0.288	0.460	0.000	0.020
%RSD		5.416	5.179	6.325	25.390	35.750	49.980	0.000	11.790

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:02:58	31.026%	0.212	0.254	27.550%	0.016	0.006	0.087	0.055
2	13:03:41	32.153%	0.298	0.312	28.658%	0.020	0.009	0.097	0.059
3	13:04:24	32.647%	0.236	0.268	29.028%	0.005	0.010	0.068	0.056
x		31.942%	0.249	0.278	28.412%	0.014	0.008	0.084	0.057
σ		0.831%	0.044	0.030	0.769%	0.008	0.002	0.015	0.002
%RSD		2.601	17.860	10.880	2.707	56.040	21.770	17.560	3.558

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:02:58	30.296%	0.156	0.036	0.015	0.145	0.055	32.785%	32.565%
2	13:03:41	31.178%	0.172	0.043	0.008	0.066	0.138	33.932%	34.032%
3	13:04:24	31.882%	0.157	0.025	0.054	0.137	0.181	34.403%	34.269%
x		31.119%	0.162	0.034	0.026	0.116	0.124	33.707%	33.622%
σ		0.795%	0.009	0.009	0.025	0.043	0.064	0.833%	0.923%
%RSD		2.553	5.420	25.350	97.540	37.450	51.680	2.470	2.745

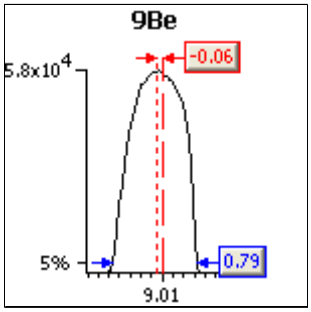
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	13:02:58	0.032	0.028	0.074	0.078	0.068	25.913%
2	13:03:41	0.022	0.019	0.068	0.078	0.064	27.434%
3	13:04:24	0.030	0.033	0.057	0.069	0.080	27.978%
x		0.028	0.026	0.066	0.075	0.071	27.108%
σ		0.006	0.007	0.008	0.005	0.008	1.071%
%RSD		19.550	25.590	12.390	6.973	11.520	3.950

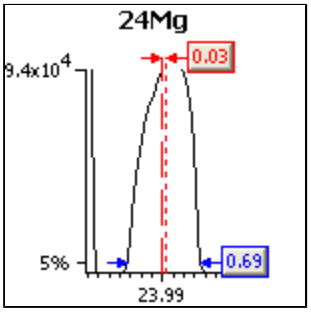
Performance Report

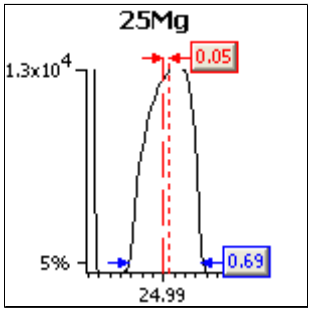
Sample details
Sample name : ITUNE
Acquired at : 4/10/2013 2:10:10 PM
Report name : EPA ILMO5.2/6020A 2.1 [3/15/2013 11:49:53 AM]

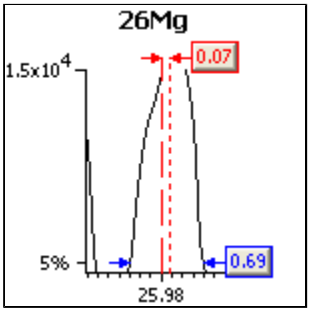
Mass Calibration verification

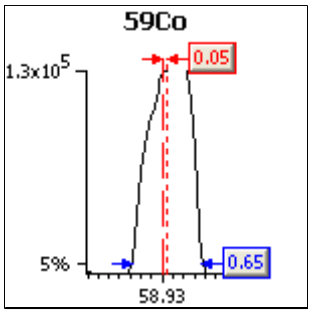
Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum

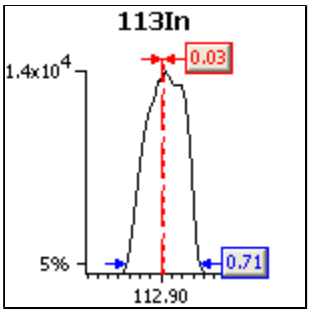


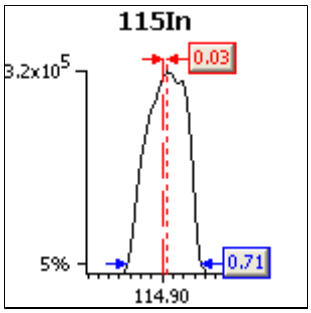


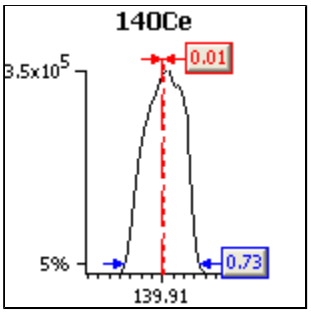


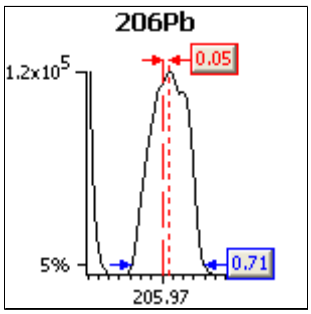


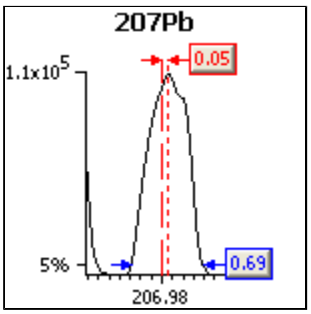


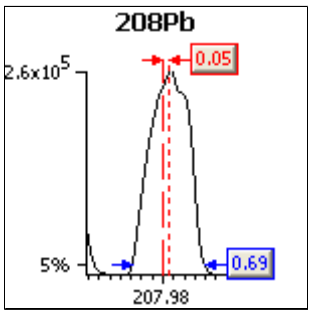












Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.79	-0.06
24Mg	0.90	0.45	0.10	0.69	0.03
25Mg	0.90	0.45	0.10	0.69	0.05
26Mg	0.90	0.45	0.10	0.69	0.07
59Co	0.90	0.45	0.10	0.65	0.05
113In	0.90	0.45	0.10	0.71	0.03
115In	0.90	0.45	0.10	0.71	0.03
140Ce	0.90	0.45	0.10	0.73	0.01
206Pb	0.90	0.45	0.10	0.71	0.05
207Pb	0.90	0.45	0.10	0.69	0.05
208Pb	0.90	0.45	0.10	0.69	0.05

Sample details
Sample name : ITUNE
Acquired at : 4/10/2013 2:10:10 PM
Report name : EPA ILMO5.2/6020A 2.1 [3/15/2013 11:49:53 AM]

Tune conditions

Major	
Extraction	-251
Lens 1	1.2
Focus	23.9
D1	-42.4
Pole Bias	3.0
Hexapole Bias	-3.0
Nebuliser	0.84
Sampling Depth	150

Minor	
Lens 2	-29.0
Lens 3	-198.4
Forward power	1302
Horizontal	86
Vertical	282
D2	-160
DA	-80.0
Cool	18.0
Auxiliary	0.90

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>500	>500	>500	>500	-	>5000	-
1	2:10:58 PM	1	58896	102409	13495	15260	206894	126850	3
2	2:12:23 PM	1	59596	106703	13944	15864	213336	128296	4
3	2:13:48 PM	1	60496	101598	13321	15190	204657	128982	7
4	2:15:14 PM	1	59984	100440	13135	14952	202925	128418	5
5	2:16:39 PM	1	60526	98292	12826	14862	197318	128184	3
x		1	59900	101888	13344	15226	205026	128146	4
σ		0.22	681.05	3105.25	416.81	392.84	5841.98	786.99	1.74
%RSD		26.146	1.137	3.048	3.124	2.580	2.849	0.614	40.745

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	2:10:58 PM	28	1	13333	311511	2644	344640	3138	115105
2	2:12:23 PM	38	0	13314	311658	2821	346427	3210	114832
3	2:13:48 PM	27	0	13342	312085	2467	346650	3222	113433
4	2:15:14 PM	28	0	13187	312350	2463	342459	3237	112918
5	2:16:39 PM	30	1	13263	310903	2424	345282	3227	112425
x		30	0	13288	311701	2564	345091	3207	113743
σ		4.42	0.17	64.01	557.53	167.21	1686.97	39.65	1178.39
%RSD		14.648	44.628	0.482	0.179	6.522	0.489	1.237	1.036

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	2:10:58 PM	103769	247094	0
2	2:12:23 PM	104042	247168	0
3	2:13:48 PM	102621	244648	0
4	2:15:14 PM	102326	242495	0
5	2:16:39 PM	102526	242855	0
x		103057	244852	0
σ		788.16	2234.91	0.04
%RSD		0.765	0.913	22.822

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	2:10:58 PM	0
2	2:12:23 PM	0

3	2:13:48 PM	0
4	2:15:14 PM	0
5	2:16:39 PM	0
x		0.0093
σ		0.00
%RSD		1.3637

Result : The performance report passed.

Dilution Corrected Concentrations

STD1 787361 INT STD 4/12/2013 1:23:19 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:02	99.378%	-0.004	0.029	0.045	0.000	-2.285	0.274	0.064
2	13:24:45	100.563%	0.022	-0.052	-0.053	0.000	1.107	-0.425	0.167
3	13:25:28	100.058%	-0.018	0.022	0.008	0.000	1.179	0.151	-0.231
x		100.000%	-0.000	0.000	-0.000	0.000	0.000	-0.000	-0.000
σ		0.595%	0.021	0.045	0.049	0.000	1.980	0.373	0.206
%RSD		0.595	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:02	-0.091	-0.602	0.000	-2.185	6.239	2.865	98.834%	-0.017
2	13:24:45	0.046	0.298	0.000	0.310	-6.997	3.115	100.327%	-0.017
3	13:25:28	0.045	0.304	0.000	1.875	0.757	-5.980	100.839%	0.034
x		0.000	0.000	0.000	0.000	-0.000	0.000	100.000%	-0.000
σ		0.079	0.521	0.000	2.048	6.650	5.180	1.042%	0.029
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	1.042	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:02	-0.005	-0.016	0.021	0.658	0.730	-0.008	0.021	-0.023
2	13:24:45	0.031	0.017	-0.032	-0.327	0.236	-0.005	0.010	-0.011
3	13:25:28	-0.026	-0.001	0.012	-0.331	-0.966	0.012	-0.031	0.034
x		-0.000	-0.000	0.000	-0.000	0.000	-0.000	0.000	0.000
σ		0.029	0.017	0.028	0.570	0.872	0.011	0.027	0.030
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:02	0.014	0.050	0.002	-0.035	-0.301	-0.153	0.000	0.001
2	13:24:45	0.003	-0.078	0.018	0.044	0.509	0.260	0.000	-0.001
3	13:25:28	-0.017	0.028	-0.020	-0.009	-0.208	-0.106	0.000	0.000
x		0.000	0.000	0.000	-0.000	-0.000	0.000	0.000	-0.000
σ		0.016	0.069	0.019	0.040	0.444	0.226	0.000	0.001
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:02	98.771%	-0.041	-0.002	98.142%	0.005	-0.006	0.025	0.008
2	13:24:45	100.707%	0.013	-0.001	100.858%	-0.003	-0.002	-0.055	-0.031
3	13:25:28	100.523%	0.028	0.002	100.999%	-0.003	0.008	0.030	0.023
x		100.000%	0.000	-0.000	100.000%	-0.000	0.000	0.000	0.000
σ		1.069%	0.037	0.002	1.610%	0.005	0.007	0.048	0.028
%RSD		1.069	0.000	0.000	1.610	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:02	98.121%	0.005	-0.001	0.002	0.004	-0.004	97.840%	97.869%
2	13:24:45	99.995%	-0.008	0.009	0.013	0.003	0.019	99.872%	100.477%
3	13:25:28	101.885%	0.004	-0.008	-0.016	-0.007	-0.015	102.288%	101.654%
x		100.000%	0.000	-0.000	-0.000	0.000	-0.000	100.000%	100.000%
σ		1.882%	0.007	0.009	0.015	0.006	0.017	2.227%	1.937%
%RSD		1.882	0.000	0.000	0.000	0.000	0.000	2.227	1.937

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:02	-0.004	-0.001	-0.003	0.000	-0.003	102.366%
2	13:24:45	0.008	-0.001	0.007	0.006	0.004	103.525%
3	13:25:28	-0.004	0.002	-0.004	-0.006	-0.001	94.109%
x		-0.000	-0.000	0.000	-0.000	-0.000	100.000%
σ		0.007	0.002	0.006	0.006	0.004	5.135%
%RSD		0.000	0.000	0.000	0.000	0.000	5.135

STD2 781421 4/12/2013 1:33:39 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:22	90.039%	202.900	0.989	1.191	0.000	100700.000	100900.000	101200.000
2	13:35:05	90.880%	199.700	1.676	0.979	0.000	100300.000	99770.000	99780.000
3	13:35:48	90.359%	197.400	0.978	0.903	0.000	99090.000	99340.000	99050.000
x		90.426%	200.000	1.214	1.025	0.000	100000.000	100000.000	100000.000
σ		0.424%	2.809	0.400	0.149	0.000	814.200	802.000	1072.000
%RSD		0.469	1.405	32.960	14.560	0.000	0.814	0.802	1.072

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:22	1009.000	7.106	0.000	100800.000	100700.000	100900.000	88.692%	0.015
2	13:35:05	998.400	14.700	0.000	101000.000	101200.000	100500.000	89.424%	0.188
3	13:35:48	992.900	21.920	0.000	98250.000	98070.000	98680.000	90.836%	0.156
x		1000.000	14.580	0.000	100000.000	100000.000	100000.000	89.651%	0.120
σ		7.971	7.409	0.000	1517.000	1693.000	1160.000	1.090%	0.092
%RSD		0.797	50.830	0.000	1.517	1.693	1.160	1.215	76.690

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:22	202.000	200.900	1003.000	50730.000	50060.000	201.300	203.200	200.900
2	13:35:05	201.600	202.400	1007.000	50090.000	50390.000	201.800	200.300	202.200
3	13:35:48	196.400	196.700	989.700	49180.000	49540.000	197.000	196.500	196.900
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		3.156	2.930	9.057	777.800	428.800	2.635	3.393	2.783
%RSD		1.578	1.465	0.906	1.556	0.858	1.317	1.696	1.391

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:22	201.600	202.200	198.700	199.900	201.000	197.500	0.000	201.500
2	13:35:05	201.500	200.600	202.100	202.500	198.200	200.600	0.000	201.200
3	13:35:48	196.900	197.200	199.200	197.600	200.800	201.900	0.000	197.400
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		2.724	2.514	1.813	2.456	1.569	2.224	0.000	2.281
%RSD		1.362	1.257	0.907	1.228	0.785	1.112	0.000	1.141

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:22	89.275%	0.185	0.187	87.961%	200.700	200.100	200.000	200.300
2	13:35:05	91.609%	0.139	0.168	89.327%	201.800	201.400	199.700	199.000
3	13:35:48	92.813%	0.096	0.153	91.006%	197.600	198.600	200.300	200.700
x		91.232%	0.140	0.169	89.431%	200.000	200.000	200.000	200.000
σ		1.799%	0.044	0.017	1.525%	2.175	1.410	0.286	0.919
%RSD		1.972	31.510	9.828	1.705	1.087	0.705	0.143	0.459

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:22	89.121%	0.082	0.090	0.086	201.300	201.700	91.816%	91.942%
2	13:35:05	92.367%	0.043	0.094	0.081	199.400	199.100	94.239%	94.404%
3	13:35:48	92.649%	0.057	0.115	0.075	199.200	199.200	96.952%	96.302%
x		91.379%	0.061	0.100	0.081	200.000	200.000	94.336%	94.216%
σ		1.960%	0.020	0.013	0.005	1.170	1.431	2.569%	2.186%
%RSD		2.145	32.170	13.300	6.548	0.585	0.716	2.724	2.320

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:22	198.200	197.200	198.600	198.800	198.800	85.802%
2	13:35:05	202.200	202.100	201.200	201.300	201.500	86.559%
3	13:35:48	199.700	200.700	200.200	199.900	199.800	87.753%
x		200.000	200.000	200.000	200.000	200.000	86.705%
σ		2.022	2.560	1.338	1.286	1.374	0.984%
%RSD		1.011	1.280	0.669	0.643	0.687	1.134

STD3 781422 4/12/2013 1:38:26 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:39:09	88.758%	0.062	190.100	194.000	0.000	6.192	2.708	3.325
2	13:39:52	90.831%	0.045	197.400	198.800	0.000	6.880	1.890	1.558
3	13:40:35	88.842%	0.016	212.500	207.200	0.000	12.630	1.373	1.271
x		89.477%	0.041	200.000	200.000	0.000	8.568	1.990	2.051
σ		1.173%	0.023	11.460	6.684	0.000	3.538	0.673	1.112
%RSD		1.312	56.910	5.728	3.342	0.000	41.290	33.820	54.230

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:39:09	5.186	9852.000	0.000	0.021	-0.908	65.690	90.164%	196.300
2	13:39:52	5.142	9808.000	0.000	-9.170	-3.869	62.080	91.122%	195.200
3	13:40:35	5.014	10340.000	0.000	-3.913	2.079	64.460	89.422%	208.500
x		5.114	10000.000	0.000	-4.354	-0.899	64.080	90.236%	200.000
σ		0.090	295.300	0.000	4.611	2.974	1.839	0.852%	7.421
%RSD		1.751	2.953	0.000	105.900	330.600	2.871	0.945	3.711

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:39:09	-0.039	-0.089	-0.087	19.010	10.150	-0.011	0.093	-0.024
2	13:39:52	-0.063	-0.073	-0.135	16.350	2.511	-0.002	-0.041	-0.038
3	13:40:35	-0.087	-0.106	-0.079	16.850	3.998	-0.007	-0.003	-0.088
x		-0.063	-0.090	-0.100	17.400	5.552	-0.007	0.016	-0.050
σ		0.024	0.017	0.030	1.416	4.049	0.004	0.069	0.034
%RSD		37.680	18.630	30.000	8.137	72.920	64.170	424.700	67.150

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:39:09	-0.034	-1.060	-0.855	0.376	0.393	0.847	0.000	-0.014
2	13:39:52	0.053	-0.958	-0.852	0.049	0.004	-0.230	0.000	-0.014
3	13:40:35	0.028	-1.009	-1.009	0.251	0.374	0.453	0.000	-0.020
x		0.016	-1.009	-0.905	0.225	0.257	0.357	0.000	-0.016
σ		0.045	0.051	0.090	0.165	0.219	0.545	0.000	0.004
%RSD		280.900	5.103	9.913	73.200	85.240	152.800	0.000	24.920

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:39:09	91.699%	191.600	192.000	92.282%	0.066	0.107	0.025	-0.356
2	13:39:52	93.191%	197.000	197.100	93.431%	0.062	0.096	0.065	-0.570
3	13:40:35	91.014%	211.300	210.900	91.944%	0.071	0.059	0.031	-0.391
x		91.968%	200.000	200.000	92.552%	0.066	0.088	0.040	-0.439
σ		1.113%	10.180	9.773	0.780%	0.005	0.025	0.022	0.115
%RSD		1.211	5.088	4.886	0.842	6.803	28.350	53.750	26.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:39:09	92.106%	195.900	196.700	196.800	0.006	0.176	92.663%	93.569%
2	13:39:52	94.261%	198.300	196.900	197.600	0.026	0.160	94.411%	95.925%
3	13:40:35	93.514%	205.800	206.500	205.600	-0.005	0.161	93.701%	93.253%
x		93.294%	200.000	200.000	200.000	0.009	0.166	93.591%	94.249%
σ		1.094%	5.145	5.591	4.845	0.016	0.009	0.879%	1.460%
%RSD		1.173	2.572	2.796	2.422	180.800	5.391	0.940	1.549

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	13:39:09	-0.005	-0.003	-0.001	-0.016	-0.005	87.899%
2	13:39:52	-0.013	-0.004	-0.011	-0.008	-0.010	90.430%
3	13:40:35	-0.004	-0.009	-0.006	-0.012	-0.005	88.347%
x		-0.007	-0.006	-0.006	-0.012	-0.007	88.892%
σ		0.005	0.003	0.005	0.004	0.003	1.351%
%RSD		66.900	54.320	80.320	32.430	49.430	1.520

ICV 768044 4/12/2013 1:43:14 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:57	89.311%	80.680	82.880	81.890	0.000	40780.000	40310.000	40420.000
2	13:44:40	89.544%	79.360	82.010	83.090	0.000	41120.000	40490.000	40330.000
3	13:45:23	90.634%	79.370	75.710	81.580	0.000	39880.000	39340.000	38950.000
x		89.830%	99.753%	100.253%	102.734%	0.000	101.480%	100.116%	99.755%
σ		0.706%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.786	0.955	4.877	0.972	0.000	1.570	1.550	2.059
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:57	413.900	4272.000	0.000	41500.000	40280.000	39740.000	88.106%	80.930
2	13:44:40	416.400	4308.000	0.000	41090.000	41330.000	39780.000	88.540%	79.230
3	13:45:23	401.400	4180.000	0.000	39830.000	39140.000	38250.000	90.998%	76.730
x		102.644%	106.331%	0.000	102.016%	100.626%	98.143%	89.215%	98.706%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.559%	n/a
%RSD		1.967	1.558	0.000	2.134	2.721	2.225	1.748	2.679
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:57	83.060	83.120	409.200	20630.000	20350.000	82.870	81.830	83.000
2	13:44:40	83.250	84.520	416.400	20670.000	20570.000	83.150	82.640	83.220
3	13:45:23	79.910	80.310	397.900	19630.000	19630.000	80.040	77.900	79.970
x		102.591%	103.312%	101.956%	101.550%	100.923%	102.522%	100.984%	102.581%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.286	2.596	2.290	2.914	2.438	2.098	3.140	2.216
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:57	83.420	81.980	83.510	80.590	79.780	81.260	0.000	81.130
2	13:44:40	83.400	82.340	83.040	79.710	79.800	81.000	0.000	81.220
3	13:45:23	79.160	80.820	79.390	77.070	76.450	80.120	0.000	78.490
x		102.494%	102.140%	102.473%	98.902%	98.346%	100.988%	0.000	100.347%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.993	0.975	2.745	2.319	2.452	0.739	0.000	1.932
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:57	89.082%	83.400	83.680	88.166%	81.850	82.810	83.480	81.950
2	13:44:40	90.094%	83.700	83.540	89.037%	82.340	83.310	84.220	81.250
3	13:45:23	93.149%	80.690	80.040	92.248%	79.470	79.620	79.510	78.100
x		90.775%	103.246%	103.027%	89.817%	101.526%	102.386%	103.002%	100.541%
σ		2.117%	n/a	n/a	2.150%	n/a	n/a	n/a	n/a
%RSD		2.332	2.011	2.504	2.394	1.891	2.444	3.077	2.552
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:57	89.223%	82.010	80.830	81.170	81.560	82.490	91.340%	91.820%
2	13:44:40	91.759%	82.130	80.540	80.380	81.560	81.460	93.658%	94.292%
3	13:45:23	94.056%	77.540	77.910	76.900	79.670	79.380	95.727%	96.864%
x		91.679%	100.700%	99.702%	99.354%	101.162%	101.389%	93.575%	94.325%
σ		2.417%	n/a	n/a	n/a	n/a	n/a	2.194%	2.522%
%RSD		2.637	3.246	2.017	2.864	1.346	1.952	2.345	2.674
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	13:43:57	85.180	84.550	80.880	83.860	82.130	84.051%		
2	13:44:40	85.110	84.680	81.870	85.900	83.550	85.827%		
3	13:45:23	82.100	82.010	77.610	82.020	79.780	89.148%		
x		105.161%	104.683%	100.152%	104.906%	102.272%	86.342%		
σ		n/a	n/a	n/a	n/a	n/a	2.587%		
%RSD		2.091	1.797	2.783	2.314	2.323	2.996		

ICB 4/12/2013 1:51:28 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:52:11	96.187%	0.097	0.871	0.591	0.000	-10.660	0.147	-0.400
2	13:52:54	96.358%	0.011	0.425	0.802	0.000	0.367	-0.311	0.011
3	13:53:37	95.839%	0.040	0.136	0.535	0.000	2.721	-0.452	-0.352
x		96.128%	0.049	0.477	0.643	0.000	-2.524	-0.205	-0.247
σ		0.265%	0.043	0.371	0.141	0.000	7.144	0.313	0.225
%RSD		0.276	88.060	77.640	21.890	0.000	283.000	152.600	91.010
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:52:11	-0.065	-97.420	0.000	-8.780	-1.381	-18.820	95.230%	0.039
2	13:52:54	-0.242	-106.600	0.000	-6.908	-6.870	-22.540	95.659%	0.120
3	13:53:37	0.005	-103.200	0.000	-4.817	-1.356	-18.010	94.947%	0.066
x		-0.101	-102.400	0.000	-6.835	-3.203	-19.790	95.279%	0.075
σ		0.128	4.660	0.000	1.983	3.176	2.418	0.359%	0.041
%RSD		126.700	4.551	0.000	29.000	99.180	12.220	0.376	54.900
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:52:11	0.511	0.169	-0.074	-3.490	-1.535	-0.022	-0.051	-0.060
2	13:52:54	0.367	0.232	-0.068	-4.975	-4.699	-0.026	-0.000	-0.040
3	13:53:37	0.835	0.177	-0.037	-6.021	-4.749	-0.022	0.036	-0.052
x		0.571	0.193	-0.060	-4.829	-3.661	-0.024	-0.005	-0.050
σ		0.239	0.034	0.020	1.272	1.841	0.002	0.044	0.010
%RSD		41.910	17.840	33.280	26.350	50.300	8.865	832.300	19.990
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:52:11	-0.006	-1.000	-0.777	-0.403	-0.076	-0.883	0.000	-0.013
2	13:52:54	0.008	-1.059	-0.779	0.045	-0.323	0.106	0.000	-0.009
3	13:53:37	0.025	-0.832	-0.744	-0.159	-0.130	-0.964	0.000	-0.009
x		0.009	-0.963	-0.767	-0.172	-0.176	-0.581	0.000	-0.011
σ		0.015	0.118	0.020	0.224	0.130	0.596	0.000	0.002
%RSD		169.000	12.250	2.577	130.300	73.900	102.600	0.000	19.790
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:52:11	87.815%	0.319	0.324	88.775%	0.013	-0.002	-0.056	-0.030
2	13:52:54	88.659%	0.397	0.290	89.047%	0.014	0.004	0.002	-0.000
3	13:53:37	87.587%	0.186	0.327	89.082%	0.000	0.002	-0.070	-0.050
x		88.020%	0.301	0.314	88.968%	0.009	0.001	-0.041	-0.026
σ		0.565%	0.107	0.020	0.168%	0.008	0.003	0.038	0.025
%RSD		0.642	35.470	6.495	0.189	85.880	296.300	92.700	93.990
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:52:11	87.751%	0.082	0.008	-0.021	0.019	-0.014	88.193%	89.562%
2	13:52:54	89.700%	0.081	0.001	0.015	-0.027	-0.002	90.421%	90.890%
3	13:53:37	89.857%	0.053	-0.003	0.025	-0.016	0.004	90.711%	91.551%
x		89.103%	0.072	0.002	0.007	-0.008	-0.004	89.775%	90.668%
σ		1.173%	0.016	0.006	0.024	0.024	0.010	1.378%	1.013%
%RSD		1.317	22.540	303.400	368.400	300.600	234.300	1.534	1.117
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	13:52:11	0.003	0.011	0.056	0.056	0.062	87.386%		
2	13:52:54	-0.000	0.003	0.048	0.054	0.050	84.243%		
3	13:53:37	-0.011	-0.003	0.058	0.051	0.053	85.517%		
x		-0.003	0.003	0.054	0.054	0.055	85.715%		
σ		0.007	0.007	0.005	0.003	0.006	1.581%		
%RSD		245.000	214.300	8.916	4.851	11.280	1.845		

CRI 787357 4/12/2013 1:59:42 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:25	90.436%	1.179	4.832	4.739	0.000	105.800	102.100	97.250
2	14:01:08	93.993%	0.960	4.631	5.205	0.000	104.000	101.200	100.800
3	14:01:51	94.679%	1.315	5.575	5.323	0.000	103.800	101.200	99.250
x		93.036%	115.170%	100.257%	101.783%	0.000	104.505%	101.485%	99.105%
σ		2.278%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.448	15.560	9.921	6.067	0.000	1.039	0.520	1.801
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:25	31.060	491.200	0.000	107.100	98.210	81.370	89.509%	5.186
2	14:01:08	31.380	484.600	0.000	102.800	73.470	97.240	90.948%	4.789
3	14:01:51	31.030	496.600	0.000	103.600	102.100	94.840	90.934%	4.902
x		103.850%	98.163%	0.000	104.493%	91.252%	91.149%	90.464%	99.180%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.827%	n/a
%RSD		0.634	1.225	0.000	2.207	17.010	9.387	0.914	4.127
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:25	1.038	2.297	5.572	53.100	52.360	0.495	1.188	2.072
2	14:01:08	0.951	2.069	5.331	51.560	53.600	0.500	1.065	2.016
3	14:01:51	1.177	2.227	5.366	52.250	50.740	0.532	1.107	2.009
x		105.555%	109.883%	1084.620%	104.610%	104.467%	101.749%	111.986%	101.631%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		10.790	5.303	2.406	1.477	2.745	4.018	5.562	1.687
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:25	2.301	3.848	3.819	0.867	4.816	5.378	0.000	5.044
2	14:01:08	2.124	4.309	3.935	0.831	4.669	5.659	0.000	5.111
3	14:01:51	2.060	4.085	3.827	1.441	4.731	5.349	0.000	5.199
x		108.075%	81.611%	77.207%	104.620%	94.776%	109.245%	0.000	102.366%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		5.787	5.652	1.685	32.730	1.556	3.137	0.000	1.519
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:25	88.138%	5.109	4.881	93.204%	1.021	1.150	1.200	1.164
2	14:01:08	90.294%	5.151	4.919	94.494%	1.039	0.951	1.102	1.017
3	14:01:51	90.645%	5.194	5.143	94.761%	1.022	1.065	1.029	1.019
x		89.692%	103.035%	99.624%	94.153%	102.707%	105.500%	111.039%	106.655%
σ		1.357%	n/a	n/a	0.833%	n/a	n/a	n/a	n/a
%RSD		1.513	0.825	2.842	0.884	1.013	9.469	7.770	7.883
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:25	92.634%	5.139	2.098	1.974	9.799	9.989	92.343%	91.683%
2	14:01:08	94.345%	5.502	1.933	2.125	10.140	10.500	94.248%	93.682%
3	14:01:51	94.947%	5.178	1.932	1.949	10.400	10.510	94.748%	95.803%
x		93.975%	105.459%	99.387%	100.788%	101.113%	103.328%	93.780%	93.723%
σ		1.200%	n/a	n/a	n/a	n/a	n/a	1.269%	2.060%
%RSD		1.277	3.776	4.812	4.743	2.960	2.880	1.353	2.198
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:00:25	0.929	0.932	0.905	1.011	0.938	95.744%		
2	14:01:08	1.073	1.031	1.030	1.113	1.077	88.513%		
3	14:01:51	0.960	1.009	1.031	1.098	1.050	89.358%		
x		98.726%	99.073%	98.876%	107.408%	102.161%	91.205%		
σ		n/a	n/a	n/a	n/a	n/a	3.953%		
%RSD		7.645	5.266	7.330	5.101	7.238	4.335		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:04	79.914%	-0.011	3.711	3.628	0.000	42.280	18.340	20.430
2	14:10:47	84.040%	0.069	2.903	4.055	0.000	38.740	18.530	19.760
3	14:11:30	82.503%	0.037	3.661	4.140	0.000	45.080	18.420	20.310
x		82.153%	0.032	3.425	3.941	0.000	42.030	18.430	20.170
σ		2.085%	0.040	0.453	0.274	0.000	3.178	0.095	0.355
%RSD		2.538	127.400	13.210	6.954	0.000	7.560	0.516	1.761
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:04	517000.000	74.760	0.000	21.930	235.400	43.910	78.753%	1.139
2	14:10:47	497500.000	62.570	0.000	25.080	198.900	34.300	81.196%	0.879
3	14:11:30	512600.000	73.630	0.000	30.520	207.800	38.070	80.296%	0.793
x		509000.000	70.320	0.000	25.840	214.100	38.760	80.082%	0.937
σ		10240.000	6.738	0.000	4.347	19.020	4.840	1.236%	0.180
%RSD		2.012	9.582	0.000	16.820	8.885	12.490	1.543	19.190
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:04	-160.400	21150.000	21480.000	520400.000	531400.000	9.260	10180.000	20310.000
2	14:10:47	-216.400	20460.000	20740.000	502000.000	515300.000	9.041	10030.000	19600.000
3	14:11:30	-312.100	20970.000	21330.000	516200.000	527400.000	9.525	10280.000	20020.000
x		-229.600	20860.000	21180.000	512900.000	524700.000	9.275	10160.000	19980.000
σ		76.750	354.600	395.000	9645.000	8366.000	0.242	126.900	357.100
%RSD		33.420	1.700	1.865	1.881	1.594	2.612	1.249	1.788
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:04	21200.000	21410.000	21510.000	0.303	0.065	0.396	0.000	0.288
2	14:10:47	20290.000	20770.000	20920.000	0.530	0.214	1.319	0.000	0.263
3	14:11:30	20760.000	21290.000	21520.000	0.270	0.325	-0.343	0.000	0.264
x		20750.000	21160.000	21320.000	0.368	0.201	0.457	0.000	0.272
σ		457.600	338.400	346.400	0.141	0.130	0.833	0.000	0.014
%RSD		2.205	1.599	1.625	38.440	64.850	182.100	0.000	5.190
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:04	78.259%	2.020	1.902	79.368%	0.284	0.284	-0.062	-0.059
2	14:10:47	82.050%	2.044	1.842	82.847%	0.264	0.256	0.136	0.122
3	14:11:30	81.768%	2.069	2.026	82.586%	0.256	0.289	0.015	-0.000
x		80.692%	2.044	1.923	81.600%	0.268	0.277	0.030	0.021
σ		2.112%	0.025	0.094	1.938%	0.014	0.018	0.100	0.092
%RSD		2.617	1.209	4.882	2.375	5.321	6.549	337.200	443.600
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:04	83.503%	0.258	0.887	0.923	16220.000	15860.000	83.081%	83.532%
2	14:10:47	87.529%	0.229	0.860	0.831	15460.000	15130.000	88.301%	88.283%
3	14:11:30	87.562%	0.283	0.850	0.886	15970.000	15750.000	87.161%	87.323%
x		86.198%	0.257	0.866	0.880	15880.000	15580.000	86.181%	86.379%
σ		2.333%	0.027	0.019	0.047	388.700	393.500	2.744%	2.513%
%RSD		2.707	10.400	2.216	5.296	2.447	2.526	3.185	2.909
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:10:04	0.049	0.053	19270.000	20890.000	20080.000	86.646%		
2	14:10:47	0.048	0.065	18780.000	20270.000	19490.000	89.755%		
3	14:11:30	0.045	0.052	19980.000	21600.000	20810.000	86.563%		
x		0.047	0.056	19340.000	20920.000	20130.000	87.655%		
σ		0.002	0.007	600.700	665.500	660.200	1.820%		
%RSD		4.511	12.900	3.105	3.181	3.280	2.076		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:18:22	93.340%	-0.016	2.342	2.049	0.000	498500.000	984000.000	976100.000
2	14:19:05	93.897%	0.084	2.689	1.946	0.000	519000.000	1020000.000	1020000.000
3	14:19:48	96.291%	0.011	1.582	2.046	0.000	522800.000	1030000.000	1032000.000
x		94.509%	0.026	2.204	2.014	0.000	513400.000	1011000.000	1009000.000
σ		1.568%	0.052	0.567	0.059	0.000	13040.000	24250.000	29370.000
%RSD		1.659	198.400	25.700	2.920	0.000	2.539	2.397	2.910
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:18:22	36.310	226.900	0.000	491300.000	974600.000	977500.000	101.021%	0.545
2	14:19:05	35.970	280.700	0.000	510400.000	1018000.000	1003000.000	104.579%	0.328
3	14:19:48	35.630	295.200	0.000	521200.000	1032000.000	1021000.000	106.471%	0.637
x		35.970	267.600	0.000	507600.000	1008000.000	1001000.000	104.024%	0.503
σ		0.336	35.980	0.000	15180.000	29920.000	21870.000	2.767%	0.159
%RSD		0.934	13.450	0.000	2.990	2.968	2.185	2.660	31.560
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:18:22	-0.097	1.665	1.916	61.900	2773.000	0.805	-5.708	2.929
2	14:19:05	0.031	1.641	1.885	62.050	2854.000	0.777	-6.179	2.949
3	14:19:48	0.012	1.778	1.760	63.080	2969.000	0.847	-6.345	2.993
x		-0.018	1.695	1.854	62.340	2865.000	0.810	-6.078	2.957
σ		0.069	0.073	0.082	0.642	98.570	0.035	0.330	0.033
%RSD		382.800	4.318	4.450	1.029	3.440	4.366	5.435	1.115
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:18:22	3.014	3.579	2.428	0.546	0.274	2.783	0.000	39.420
2	14:19:05	2.768	2.855	2.815	0.359	1.116	1.666	0.000	41.660
3	14:19:48	2.859	3.005	2.464	0.309	0.998	1.212	0.000	41.550
x		2.880	3.146	2.569	0.405	0.796	1.887	0.000	40.870
σ		0.125	0.382	0.214	0.125	0.456	0.808	0.000	1.262
%RSD		4.323	12.150	8.317	30.900	57.320	42.840	0.000	3.088
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:18:22	101.932%	0.371	0.243	93.192%	0.088	0.067	-0.021	-0.021
2	14:19:05	105.997%	0.408	0.364	96.919%	0.071	0.066	-0.024	-0.039
3	14:19:48	106.705%	0.438	0.362	98.377%	0.082	0.081	0.038	0.040
x		104.878%	0.406	0.323	96.163%	0.080	0.071	-0.002	-0.007
σ		2.576%	0.033	0.069	2.674%	0.009	0.008	0.035	0.042
%RSD		2.456	8.207	21.500	2.780	10.710	11.900	1568.000	621.800
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:18:22	97.903%	0.439	0.360	0.344	2.367	2.306	103.406%	104.083%
2	14:19:05	101.402%	0.487	0.375	0.330	2.742	2.404	108.196%	107.875%
3	14:19:48	103.393%	0.406	0.364	0.403	2.543	2.444	107.245%	108.403%
x		100.899%	0.444	0.366	0.359	2.551	2.385	106.282%	106.787%
σ		2.779%	0.041	0.007	0.039	0.188	0.071	2.536%	2.357%
%RSD		2.754	9.227	2.037	10.850	7.354	2.995	2.386	2.207
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:18:22	0.079	0.080	2.087	2.230	2.119	89.614%		
2	14:19:05	0.077	0.077	2.053	2.113	2.053	92.937%		
3	14:19:48	0.076	0.083	2.013	2.064	2.049	92.405%		
x		0.077	0.080	2.051	2.136	2.074	91.652%		
σ		0.002	0.003	0.037	0.085	0.039	1.785%		
%RSD		2.132	3.303	1.797	3.997	1.902	1.948		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:38	85.101%	0.003	1.667	0.846	0.000	103500.000	102400.000	102300.000
2	14:27:21	84.756%	0.019	0.757	1.248	0.000	104600.000	103700.000	103400.000
3	14:28:04	85.071%	0.067	0.669	0.812	0.000	103800.000	102500.000	102000.000
x		84.976%	0.029	1.031	0.968	0.000	103900.000	102900.000	102500.000
σ		0.191%	0.033	0.552	0.242	0.000	596.500	714.300	735.900
%RSD		0.225	113.600	53.570	25.030	0.000	0.574	0.694	0.718

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:38	104600.000	-34.320	0.000	102600.000	102700.000	100900.000	88.064%	2183.000
2	14:27:21	105400.000	-35.020	0.000	103600.000	105400.000	102700.000	88.093%	2204.000
3	14:28:04	103900.000	-38.570	0.000	102900.000	104000.000	101900.000	88.044%	2172.000
x		104600.000	-35.970	0.000	103000.000	104000.000	101800.000	88.067%	2187.000
σ		725.200	2.277	0.000	526.500	1376.000	918.400	0.025%	16.310
%RSD		0.693	6.331	0.000	0.511	1.323	0.902	0.028	0.746

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:38	-0.683	0.032	0.066	102700.000	104300.000	0.106	-0.094	1.162
2	14:27:21	-0.154	0.099	0.052	102400.000	104600.000	0.060	-0.012	1.047
3	14:28:04	-0.415	0.089	0.078	102700.000	104800.000	0.086	-0.021	1.223
x		-0.417	0.073	0.065	102600.000	104600.000	0.084	-0.042	1.144
σ		0.265	0.036	0.013	164.000	238.600	0.023	0.045	0.089
%RSD		63.430	49.200	20.250	0.160	0.228	27.220	107.600	7.818

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:38	1.603	1.747	0.404	0.373	0.867	0.692	0.000	4.513
2	14:27:21	1.522	2.069	1.028	0.195	1.395	-0.466	0.000	4.607
3	14:28:04	1.621	1.883	0.593	0.276	1.612	0.793	0.000	4.669
x		1.582	1.899	0.675	0.281	1.291	0.340	0.000	4.596
σ		0.053	0.162	0.320	0.089	0.383	0.699	0.000	0.078
%RSD		3.331	8.516	47.350	31.750	29.690	205.800	0.000	1.703

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:38	91.371%	2066.000	2072.000	88.729%	0.038	0.036	0.081	0.113
2	14:27:21	92.764%	2113.000	2107.000	90.793%	0.023	0.041	0.349	0.253
3	14:28:04	92.776%	2115.000	2116.000	90.803%	0.036	0.039	0.360	0.164
x		92.304%	2098.000	2099.000	90.108%	0.032	0.039	0.263	0.177
σ		0.807%	27.790	23.090	1.195%	0.008	0.002	0.158	0.070
%RSD		0.875	1.324	1.100	1.326	25.810	5.999	60.120	39.850

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:38	93.415%	0.048	0.274	0.285	0.185	0.244	95.506%	95.528%
2	14:27:21	96.037%	0.064	0.252	0.267	0.231	0.225	97.790%	98.730%
3	14:28:04	96.278%	0.057	0.276	0.198	0.199	0.201	98.600%	99.692%
x		95.244%	0.056	0.268	0.250	0.205	0.223	97.299%	97.984%
σ		1.588%	0.008	0.013	0.046	0.024	0.022	1.604%	2.180%
%RSD		1.667	14.410	4.979	18.510	11.540	9.680	1.649	2.225

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:38	0.001	-0.001	0.183	0.178	0.167	90.104%
2	14:27:21	-0.001	-0.003	0.153	0.164	0.173	91.087%
3	14:28:04	-0.009	-0.002	0.179	0.162	0.184	91.738%
x		-0.003	-0.002	0.172	0.168	0.175	90.976%
σ		0.005	0.001	0.016	0.009	0.008	0.823%
%RSD		169.600	54.990	9.607	5.172	4.824	0.904

ICSAB 787359 4/12/2013 2:34:11 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:54	81.512%	20.700	52.000	52.270	0.000	108300.000	107400.000	106800.000
2	14:35:38	82.495%	19.630	47.200	54.480	0.000	106800.000	105300.000	104400.000
3	14:36:21	82.756%	21.180	47.570	53.410	0.000	107500.000	105700.000	105400.000
x		82.254%	102.498%	97.847%	106.772%	0.000	107.555%	106.108%	105.549%
σ		0.656%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.798	3.867	5.451	2.076	0.000	0.667	1.032	1.185

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:54	109000.000	453.400	0.000	106100.000	107100.000	106700.000	83.992%	2252.000
2	14:35:38	106700.000	442.900	0.000	104500.000	106000.000	104000.000	85.724%	2236.000
3	14:36:21	107100.000	451.300	0.000	105700.000	108700.000	105600.000	84.425%	2255.000
x		107.605%	89.837%	0.000	105.427%	107.304%	105.411%	84.714%	112.387%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.901%	n/a
%RSD		1.113	1.227	0.000	0.746	1.265	1.269	1.064	0.457

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:54	20.660	21.530	22.310	106700.000	108500.000	21.550	20.980	22.810
2	14:35:38	21.070	21.060	22.160	105300.000	107600.000	21.300	21.500	22.690
3	14:36:21	21.890	21.620	22.430	106100.000	108200.000	21.610	20.370	23.050
x		106.048%	107.024%	96.951%	106.041%	108.101%	107.430%	104.758%	114.245%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.949	1.396	0.587	0.655	0.466	0.763	2.683	0.800

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:54	22.290	24.880	24.050	23.170	55.860	55.550	0.000	26.000
2	14:35:38	22.290	24.800	23.810	22.260	55.230	54.480	0.000	25.900
3	14:36:21	22.780	24.580	24.960	22.970	57.060	55.000	0.000	26.460
x		112.276%	99.011%	97.092%	113.986%	112.103%	110.022%	0.000	130.603%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.271	0.627	2.500	2.106	1.663	0.964	0.000	1.152

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:54	88.501%	2168.000	2178.000	85.947%	21.180	21.470	22.490	21.660
2	14:35:38	90.122%	2154.000	2171.000	88.357%	20.990	20.880	21.700	20.960
3	14:36:21	90.155%	2186.000	2195.000	87.346%	21.220	21.430	22.380	21.330
x		89.593%	108.458%	109.058%	87.217%	105.654%	106.305%	110.960%	106.577%
σ		0.946%	n/a	n/a	1.210%	n/a	n/a	n/a	n/a
%RSD		1.055	0.736	0.549	1.388	0.586	1.551	1.928	1.641

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:54	90.056%	106.600	21.640	21.650	22.130	21.720	91.990%	92.665%
2	14:35:38	93.601%	105.100	21.400	21.300	20.680	21.880	96.105%	95.746%
3	14:36:21	92.034%	107.500	21.590	21.530	21.100	21.740	95.462%	96.124%
x		91.897%	106.422%	107.723%	107.472%	106.504%	108.915%	94.519%	94.845%
σ		1.776%	n/a	n/a	n/a	n/a	n/a	2.214%	1.897%
%RSD		1.933	1.132	0.593	0.812	3.494	0.405	2.342	2.000

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:34:54	20.910	20.670	21.380	21.450	21.430	87.817%
2	14:35:38	21.230	20.980	21.550	21.430	21.810	89.869%
3	14:36:21	21.930	21.870	22.160	22.310	22.290	87.978%
x		106.786%	105.881%	108.475%	108.659%	109.227%	88.555%
σ		n/a	n/a	n/a	n/a	n/a	1.141%
%RSD		2.453	2.946	1.897	2.320	1.976	1.289

CCV 781130 4/12/2013 2:42:26 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:09	89.840%	106.200	102.100	100.600	0.000	52090.000	52670.000	52470.000
2	14:43:52	90.708%	104.200	107.100	104.300	0.000	52410.000	52960.000	52850.000
3	14:44:35	90.558%	104.300	101.200	102.600	0.000	51340.000	51390.000	51350.000
x		90.369%	104.879%	103.444%	102.502%	0.000	103.898%	104.679%	104.447%
σ		0.464%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.513	1.056	3.057	1.820	0.000	1.058	1.594	1.491
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:09	530.700	5099.000	0.000	52280.000	52170.000	50560.000	92.167%	104.300
2	14:43:52	540.500	5126.000	0.000	52940.000	52520.000	51360.000	92.279%	105.800
3	14:44:35	529.900	5020.000	0.000	51580.000	51750.000	50380.000	93.752%	103.900
x		106.735%	101.633%	0.000	104.534%	104.291%	101.529%	92.733%	104.656%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.885%	n/a
%RSD		1.106	1.086	0.000	1.292	0.742	1.024	0.954	0.942
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:09	103.500	104.900	522.600	26290.000	26150.000	105.400	107.200	106.100
2	14:43:52	105.400	105.200	533.600	26530.000	26560.000	106.800	107.300	106.500
3	14:44:35	103.800	103.300	519.300	25710.000	25950.000	104.600	102.900	104.100
x		104.204%	104.443%	105.031%	104.700%	104.883%	105.616%	105.796%	105.578%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.977	0.961	1.420	1.613	1.193	1.066	2.371	1.210
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:09	105.900	105.200	106.400	102.600	102.600	102.800	0.000	103.900
2	14:43:52	108.900	105.000	108.800	103.600	105.500	101.900	0.000	105.900
3	14:44:35	104.500	103.700	103.700	102.300	102.900	103.400	0.000	104.200
x		106.429%	104.632%	106.283%	102.822%	103.677%	102.703%	0.000	104.681%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.102	0.816	2.420	0.646	1.503	0.759	0.000	1.039
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:09	93.538%	107.200	107.200	91.833%	106.800	105.700	103.900	103.200
2	14:43:52	94.727%	108.300	109.700	92.934%	107.300	106.800	106.800	106.400
3	14:44:35	95.364%	109.000	106.700	94.273%	104.600	105.200	102.400	102.400
x		94.543%	108.160%	107.898%	93.013%	106.234%	105.869%	104.354%	104.022%
σ		0.927%	n/a	n/a	1.222%	n/a	n/a	n/a	n/a
%RSD		0.981	0.871	1.493	1.314	1.372	0.797	2.137	2.024
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:09	92.726%	101.700	101.700	102.300	105.100	104.400	93.870%	93.863%
2	14:43:52	93.875%	104.000	103.800	104.100	106.600	105.200	95.799%	96.891%
3	14:44:35	96.254%	102.000	101.700	101.300	103.300	103.600	98.161%	97.770%
x		94.285%	102.580%	102.408%	102.566%	104.997%	104.410%	95.943%	96.175%
σ		1.799%	n/a	n/a	n/a	n/a	n/a	2.149%	2.049%
%RSD		1.908	1.228	1.183	1.344	1.572	0.781	2.240	2.131
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:43:09	105.100	104.600	103.900	104.700	105.100	87.454%		
2	14:43:52	105.800	106.500	105.600	106.700	106.100	89.286%		
3	14:44:35	105.100	105.000	104.800	105.400	105.000	90.490%		
x		105.348%	105.377%	104.766%	105.601%	105.374%	89.076%		
σ		n/a	n/a	n/a	n/a	n/a	1.529%		
%RSD		0.406	0.955	0.808	0.972	0.589	1.716		

CCB1 4/12/2013 2:50:41 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:24	98.499%	0.010	0.834	0.308	0.000	-9.218	1.102	1.023
2	14:52:07	97.211%	0.025	0.489	0.684	0.000	-2.302	2.530	0.701
3	14:52:49	98.818%	-0.004	0.757	0.469	0.000	-6.301	0.851	1.105
x		98.176%	0.010	0.693	0.487	0.000	-5.940	1.494	0.943
σ		0.851%	0.014	0.181	0.189	0.000	3.472	0.905	0.214
%RSD		0.867	139.300	26.140	38.800	0.000	58.450	60.600	22.650

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:24	-0.036	-56.780	0.000	28.830	-1.476	-13.420	96.279%	0.172
2	14:52:07	-0.126	-50.920	0.000	35.590	1.308	-15.230	95.631%	0.173
3	14:52:49	-0.076	-59.520	0.000	34.170	-6.889	-21.440	96.236%	0.172
x		-0.079	-55.740	0.000	32.860	-2.352	-16.700	96.049%	0.172
σ		0.045	4.392	0.000	3.563	4.168	4.207	0.362%	0.001
%RSD		56.600	7.879	0.000	10.840	177.200	25.190	0.377	0.454

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:24	0.442	0.194	0.009	2.426	-1.189	-0.024	0.027	0.131
2	14:52:07	0.572	0.219	0.019	1.494	-0.114	-0.024	0.036	0.170
3	14:52:49	0.199	0.189	0.003	-0.001	0.735	-0.019	0.010	0.037
x		0.404	0.201	0.010	1.306	-0.190	-0.023	0.024	0.113
σ		0.190	0.016	0.008	1.224	0.964	0.003	0.013	0.068
%RSD		46.890	7.918	77.890	93.750	508.900	13.270	54.570	60.410

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:24	0.035	-0.886	-0.639	0.274	0.781	0.157	0.000	-0.016
2	14:52:07	0.086	-0.947	-0.806	0.064	0.917	0.894	0.000	-0.013
3	14:52:49	0.048	-0.995	-0.694	-0.145	-0.083	-1.018	0.000	-0.019
x		0.056	-0.943	-0.713	0.064	0.538	0.011	0.000	-0.016
σ		0.026	0.054	0.085	0.210	0.542	0.965	0.000	0.003
%RSD		46.550	5.757	11.880	326.100	100.700	8725.000	0.000	17.760

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:24	95.570%	1.179	1.116	95.750%	0.010	0.022	-0.037	-0.027
2	14:52:07	95.899%	1.255	1.245	96.066%	0.011	0.010	-0.103	-0.071
3	14:52:49	96.490%	1.037	1.010	97.314%	0.022	0.004	0.024	0.024
x		95.986%	1.157	1.124	96.376%	0.015	0.012	-0.039	-0.025
σ		0.466%	0.111	0.118	0.827%	0.007	0.009	0.064	0.047
%RSD		0.486	9.573	10.480	0.858	46.970	76.350	164.700	191.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:24	95.402%	0.194	-0.010	-0.008	-0.016	-0.009	94.885%	95.260%
2	14:52:07	96.506%	0.134	0.005	-0.016	-0.027	-0.015	96.256%	95.897%
3	14:52:49	95.741%	0.122	0.000	-0.009	0.005	0.015	95.648%	97.051%
x		95.883%	0.150	-0.001	-0.011	-0.013	-0.003	95.596%	96.070%
σ		0.565%	0.039	0.008	0.004	0.016	0.016	0.687%	0.908%
%RSD		0.590	25.900	552.800	40.520	124.700	506.900	0.718	0.945

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:24	0.007	0.008	0.075	0.069	0.067	98.106%
2	14:52:07	0.010	0.002	0.050	0.057	0.075	90.931%
3	14:52:49	0.022	-0.006	0.066	0.041	0.073	91.953%
x		0.013	0.001	0.064	0.056	0.072	93.664%
σ		0.008	0.007	0.013	0.014	0.004	3.881%
%RSD		59.750	523.900	19.750	24.990	5.449	4.144

MB 180-67340/1-A 4/12/2013 2:58:54 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:38	93.150%	-0.002	0.159	0.047	0.000	4.641	2.964	1.914
2	15:00:21	93.833%	0.027	-0.376	0.167	0.000	6.446	1.631	2.632
3	15:01:04	93.891%	0.071	-0.225	0.121	0.000	9.814	2.505	1.959
x		93.624%	0.032	-0.147	0.112	0.000	6.967	2.366	2.168
σ		0.412%	0.036	0.276	0.060	0.000	2.626	0.677	0.402
%RSD		0.440	113.500	187.300	54.000	0.000	37.690	28.610	18.550
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:38	0.911	-24.800	0.000	29.360	12.080	-5.569	96.457%	0.091
2	15:00:21	1.029	-7.404	0.000	34.770	-6.884	-3.978	96.324%	-0.016
3	15:01:04	1.040	-17.500	0.000	37.670	9.512	-3.333	95.676%	0.065
x		0.994	-16.570	0.000	33.930	4.904	-4.293	96.153%	0.046
σ		0.071	8.736	0.000	4.217	10.290	1.151	0.418%	0.056
%RSD		7.188	52.730	0.000	12.430	209.800	26.800	0.435	120.100
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:38	0.359	0.231	0.233	3.959	1.123	-0.016	-0.019	0.057
2	15:00:21	0.184	0.187	0.255	2.925	3.553	-0.018	0.022	0.076
3	15:01:04	0.578	0.255	0.258	2.704	4.210	-0.026	0.007	0.042
x		0.374	0.224	0.249	3.196	2.962	-0.020	0.003	0.058
σ		0.197	0.034	0.014	0.670	1.627	0.005	0.021	0.017
%RSD		52.800	15.360	5.621	20.970	54.910	27.490	622.500	29.300
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:38	0.027	-0.884	-0.921	-0.290	0.253	-0.243	0.000	0.018
2	15:00:21	0.068	-0.826	-0.839	0.203	0.209	0.272	0.000	0.019
3	15:01:04	0.022	-0.888	-0.697	0.133	0.292	1.131	0.000	0.010
x		0.039	-0.866	-0.819	0.015	0.251	0.387	0.000	0.016
σ		0.025	0.035	0.113	0.267	0.042	0.695	0.000	0.005
%RSD		64.480	3.987	13.800	1746.000	16.540	179.600	0.000	30.090
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:38	102.223%	0.458	0.500	97.566%	0.009	0.010	0.074	0.047
2	15:00:21	103.006%	0.317	0.455	98.356%	-0.004	0.006	-0.071	-0.054
3	15:01:04	101.895%	0.457	0.488	98.193%	0.011	0.021	0.055	0.033
x		102.375%	0.411	0.481	98.038%	0.005	0.012	0.020	0.009
σ		0.571%	0.081	0.023	0.417%	0.008	0.008	0.079	0.055
%RSD		0.558	19.800	4.879	0.425	149.900	65.590	402.100	643.300
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:38	96.473%	0.040	-0.008	-0.019	-0.006	0.020	96.536%	95.869%
2	15:00:21	97.992%	0.077	-0.001	0.003	0.045	0.008	97.305%	97.672%
3	15:01:04	98.489%	0.032	0.003	-0.014	-0.006	0.043	98.175%	97.766%
x		97.651%	0.050	-0.002	-0.010	0.011	0.024	97.339%	97.102%
σ		1.050%	0.024	0.005	0.011	0.029	0.017	0.820%	1.069%
%RSD		1.075	48.370	249.300	110.500	272.500	73.770	0.843	1.101
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	14:59:38	-0.009	-0.006	0.051	0.075	0.068	100.831%		
2	15:00:21	-0.013	-0.008	0.075	0.064	0.071	92.030%		
3	15:01:04	-0.008	0.001	0.058	0.072	0.065	91.280%		
x		-0.010	-0.004	0.062	0.070	0.068	94.714%		
σ		0.003	0.005	0.013	0.006	0.003	5.311%		
%RSD		25.480	106.100	20.410	7.954	4.315	5.607		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:49	88.891%	46.310	974.700	985.300	0.000	49150.000	48210.000	47700.000
2	15:08:31	92.030%	48.190	1030.000	1044.000	0.000	50340.000	49600.000	48950.000
3	15:09:14	93.087%	46.980	1045.000	1067.000	0.000	50610.000	49880.000	49280.000
x		91.336%	47.160	1017.000	1032.000	0.000	50030.000	49230.000	48640.000
σ		2.182%	0.952	37.180	42.040	0.000	775.200	893.600	833.900
%RSD		2.390	2.020	3.656	4.073	0.000	1.549	1.815	1.714

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:49	1909.000	8751.000	0.000	49160.000	50620.000	49140.000	78.674%	974.500
2	15:08:31	1980.000	8914.000	0.000	50180.000	52310.000	50730.000	79.542%	1027.000
3	15:09:14	1967.000	8983.000	0.000	49790.000	51220.000	50390.000	81.207%	1019.000
x		1952.000	8883.000	0.000	49710.000	51380.000	50090.000	79.808%	1007.000
σ		37.570	119.200	0.000	515.800	855.100	838.600	1.287%	28.220
%RSD		1.925	1.342	0.000	1.038	1.664	1.674	1.613	2.803

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:49	508.400	202.700	506.400	995.800	1140.000	499.800	491.600	249.600
2	15:08:31	526.700	209.100	526.200	1033.000	1173.000	516.000	505.800	258.200
3	15:09:14	520.600	210.300	522.400	1023.000	1156.000	511.700	504.700	257.300
x		518.600	207.400	518.300	1017.000	1156.000	509.200	500.700	255.100
σ		9.338	4.103	10.500	19.200	16.890	8.410	7.882	4.764
%RSD		1.801	1.979	2.026	1.887	1.461	1.652	1.574	1.868

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:49	247.800	493.900	497.100	38.230	16.310	10.450	0.000	991.800
2	15:08:31	259.500	515.000	517.700	38.220	16.690	10.250	0.000	1024.000
3	15:09:14	258.800	508.500	512.400	39.690	16.170	9.997	0.000	1010.000
x		255.400	505.800	509.100	38.710	16.390	10.230	0.000	1009.000
σ		6.571	10.780	10.680	0.850	0.271	0.226	0.000	16.090
%RSD		2.573	2.131	2.098	2.196	1.652	2.210	0.000	1.595

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:49	81.648%	1013.000	1019.000	80.622%	51.220	51.380	50.860	45.430
2	15:08:31	82.582%	1058.000	1060.000	81.210%	53.680	53.010	53.700	48.240
3	15:09:14	85.030%	1044.000	1051.000	83.453%	52.650	52.330	52.680	47.450
x		83.087%	1038.000	1044.000	81.761%	52.520	52.240	52.420	47.040
σ		1.747%	22.850	21.380	1.494%	1.236	0.820	1.438	1.448
%RSD		2.102	2.200	2.048	1.827	2.354	1.569	2.743	3.078

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:49	81.807%	1980.000	495.900	496.000	1986.000	1986.000	87.294%	87.507%
2	15:08:31	83.795%	2043.000	514.500	512.100	2058.000	2051.000	87.895%	88.695%
3	15:09:14	86.869%	2018.000	502.000	500.600	2021.000	2013.000	90.902%	91.817%
x		84.157%	2014.000	504.100	502.900	2022.000	2017.000	88.697%	89.340%
σ		2.550%	31.470	9.474	8.285	35.650	32.570	1.933%	2.226%
%RSD		3.030	1.563	1.879	1.647	1.763	1.615	2.180	2.492

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:49	50.010	49.540	19.600	21.930	20.690	79.909%
2	15:08:31	51.830	52.190	20.620	22.650	21.490	81.207%
3	15:09:14	51.590	52.030	20.320	22.010	21.300	83.050%
x		51.140	51.250	20.180	22.190	21.160	81.389%
σ		0.986	1.488	0.525	0.395	0.422	1.578%
%RSD		1.927	2.903	2.601	1.780	1.996	1.939

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:59	83.750%	0.070	583.700	586.800	0.000	320200.000	29240.000	29180.000
2	15:16:42	87.936%	0.081	592.100	595.900	0.000	317900.000	28660.000	28950.000
3	15:17:26	89.908%	0.062	589.900	595.700	0.000	311800.000	28720.000	28650.000
x		87.198%	0.071	588.500	592.800	0.000	316600.000	28870.000	28920.000
σ		3.145%	0.009	4.364	5.217	0.000	4320.000	316.800	266.400
%RSD		3.607	12.830	0.742	0.880	0.000	1.364	1.097	0.921
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:59	4.869	7190.000	0.000	11910.000	191000.000	193000.000	72.439%	2.377
2	15:16:42	4.857	7097.000	0.000	11850.000	190300.000	192100.000	74.443%	2.206
3	15:17:26	4.667	6873.000	0.000	11490.000	188300.000	186800.000	75.868%	2.131
x		4.798	7053.000	0.000	11750.000	189900.000	190600.000	74.250%	2.238
σ		0.113	163.200	0.000	228.500	1379.000	3331.000	1.722%	0.126
%RSD		2.358	2.314	0.000	1.945	0.726	1.748	2.319	5.628
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:59	1.283	2.972	592.000	1280.000	1730.000	2.795	59.840	121.700
2	15:16:42	3.146	2.325	592.800	1292.000	1700.000	2.694	60.620	120.000
3	15:17:26	6.289	2.397	576.700	1256.000	1644.000	2.604	58.780	116.500
x		3.573	2.565	587.200	1276.000	1691.000	2.698	59.750	119.400
σ		2.530	0.354	9.065	18.410	43.760	0.095	0.925	2.657
%RSD		70.820	13.820	1.544	1.442	2.587	3.533	1.548	2.225
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:59	120.000	590.300	605.900	1.531	6.175	0.105	0.000	462.800
2	15:16:42	118.300	590.300	607.000	2.370	6.522	0.052	0.000	460.600
3	15:17:26	118.000	577.800	582.500	2.454	5.850	1.093	0.000	451.400
x		118.800	586.100	598.500	2.119	6.183	0.416	0.000	458.300
σ		1.043	7.247	13.810	0.510	0.336	0.586	0.000	6.050
%RSD		0.878	1.236	2.308	24.100	5.437	140.700	0.000	1.320
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:59	76.761%	4.216	3.986	74.187%	0.814	0.830	3.860	3.809
2	15:16:42	79.759%	4.127	4.167	77.002%	0.783	0.792	4.223	3.963
3	15:17:26	81.061%	3.858	3.960	78.076%	0.744	0.856	3.839	3.924
x		79.193%	4.067	4.037	76.422%	0.781	0.826	3.974	3.899
σ		2.205%	0.186	0.113	2.009%	0.035	0.032	0.216	0.080
%RSD		2.784	4.579	2.798	2.628	4.486	3.922	5.433	2.044
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:59	78.475%	16.330	3.915	4.011	416.400	415.500	81.945%	83.447%
2	15:16:42	81.504%	14.580	3.856	4.031	418.400	421.100	84.891%	86.633%
3	15:17:26	82.913%	12.160	4.016	3.902	409.600	405.500	88.553%	89.252%
x		80.964%	14.360	3.929	3.981	414.800	414.100	85.130%	86.444%
σ		2.267%	2.098	0.081	0.069	4.611	7.897	3.310%	2.907%
%RSD		2.801	14.610	2.070	1.743	1.112	1.907	3.889	3.363
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:15:59	0.088	0.111	1.890	1.914	1.941	74.637%		
2	15:16:42	0.095	0.091	1.949	1.988	1.951	78.121%		
3	15:17:26	0.042	0.071	1.884	1.911	1.874	80.692%		
x		0.075	0.091	1.908	1.938	1.922	77.817%		
σ		0.029	0.020	0.036	0.044	0.042	3.039%		
%RSD		38.040	22.100	1.871	2.270	2.183	3.905		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:12	82.488%	0.038	564.100	564.300	0.000	304900.000	28380.000	28690.000
2	15:24:57	85.688%	0.068	569.200	580.200	0.000	304800.000	28280.000	28350.000
3	15:25:40	87.221%	0.066	572.500	586.300	0.000	303400.000	27730.000	28030.000
x		85.132%	0.057	568.600	577.000	0.000	304400.000	28130.000	28360.000
σ		2.415%	0.016	4.248	11.340	0.000	837.000	348.000	327.700
%RSD		2.836	28.620	0.747	1.966	0.000	0.275	1.237	1.156

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:12	4.665	6960.000	0.000	11360.000	183800.000	186800.000	70.215%	2.490
2	15:24:57	4.854	6896.000	0.000	11310.000	182300.000	185100.000	72.013%	1.495
3	15:25:40	4.282	6874.000	0.000	11290.000	186600.000	184800.000	72.376%	1.986
x		4.600	6910.000	0.000	11320.000	184200.000	185600.000	71.535%	1.990
σ		0.292	44.550	0.000	38.380	2147.000	1065.000	1.157%	0.497
%RSD		6.341	0.645	0.000	0.339	1.165	0.574	1.617	24.980

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:12	4.301	3.240	558.200	1217.000	1659.000	2.623	57.090	113.600
2	15:24:57	2.821	2.327	567.400	1233.000	1644.000	2.620	57.390	112.900
3	15:25:40	4.996	2.319	567.600	1225.000	1615.000	2.528	57.240	113.400
x		4.039	2.629	564.400	1225.000	1639.000	2.590	57.240	113.300
σ		1.111	0.529	5.396	8.074	22.120	0.054	0.148	0.385
%RSD		27.500	20.140	0.956	0.659	1.349	2.077	0.259	0.340

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:12	113.300	573.700	586.800	1.725	4.297	0.573	0.000	445.600
2	15:24:57	111.000	581.400	595.900	1.627	4.634	-0.209	0.000	449.000
3	15:25:40	111.600	576.000	589.800	1.482	5.081	0.207	0.000	449.100
x		112.000	577.000	590.800	1.611	4.671	0.190	0.000	447.900
σ		1.177	3.935	4.645	0.122	0.393	0.391	0.000	1.999
%RSD		1.051	0.682	0.786	7.590	8.423	205.400	0.000	0.446

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:12	74.503%	3.944	3.405	71.990%	0.759	0.803	3.949	3.703
2	15:24:57	76.965%	3.273	3.267	74.130%	0.797	0.756	3.643	3.751
3	15:25:40	77.685%	3.392	3.250	75.627%	0.717	0.811	3.838	4.026
x		76.384%	3.536	3.307	73.916%	0.758	0.790	3.810	3.827
σ		1.669%	0.358	0.085	1.828%	0.040	0.029	0.155	0.174
%RSD		2.185	10.120	2.566	2.474	5.308	3.713	4.068	4.555

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:12	76.129%	8.719	3.773	3.769	398.700	396.900	80.244%	80.990%
2	15:24:57	78.584%	8.269	3.832	3.829	403.000	402.200	84.067%	85.081%
3	15:25:40	79.768%	7.953	3.982	3.941	406.400	399.300	84.877%	86.026%
x		78.160%	8.314	3.863	3.846	402.700	399.500	83.063%	84.032%
σ		1.856%	0.385	0.108	0.087	3.850	2.649	2.474%	2.677%
%RSD		2.375	4.631	2.793	2.270	0.956	0.663	2.979	3.186

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:12	0.033	0.028	1.939	1.826	1.875	72.540%
2	15:24:57	0.028	0.027	1.909	1.807	1.879	77.090%
3	15:25:40	0.036	0.031	1.799	1.929	1.867	77.796%
x		0.033	0.029	1.882	1.854	1.874	75.809%
σ		0.004	0.002	0.074	0.065	0.006	2.853%
%RSD		12.300	7.879	3.935	3.530	0.318	3.763

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:26	83.746%	0.021	1109.000	1106.000	0.000	53400.000	34830.000	34880.000
2	15:33:09	86.944%	0.018	1158.000	1142.000	0.000	54340.000	35160.000	35110.000
3	15:33:52	88.367%	0.080	1165.000	1147.000	0.000	54090.000	35040.000	34990.000
x		86.352%	0.040	1144.000	1132.000	0.000	53950.000	35010.000	34990.000
σ		2.366%	0.035	31.040	22.330	0.000	486.000	166.100	118.300
%RSD		2.740	88.130	2.713	1.973	0.000	0.901	0.474	0.338

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:26	13.690	10490.000	0.000	18780.000	204600.000	208000.000	70.108%	4.883
2	15:33:09	14.050	10490.000	0.000	19150.000	208000.000	211200.000	72.414%	5.861
3	15:33:52	14.040	10350.000	0.000	18820.000	208200.000	209500.000	73.241%	5.129
x		13.930	10440.000	0.000	18920.000	207000.000	209600.000	71.921%	5.291
σ		0.206	80.500	0.000	202.500	2022.000	1616.000	1.624%	0.509
%RSD		1.480	0.771	0.000	1.071	0.977	0.771	2.258	9.615

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:26	4.604	3.370	3627.000	17250.000	17590.000	1.323	55.940	1.929
2	15:33:09	2.626	2.698	3632.000	17310.000	17670.000	1.458	55.870	2.168
3	15:33:52	4.465	2.513	3652.000	17330.000	17790.000	1.478	58.020	2.160
x		3.898	2.860	3637.000	17300.000	17680.000	1.420	56.610	2.085
σ		1.104	0.451	13.200	42.980	96.760	0.085	1.220	0.136
%RSD		28.320	15.770	0.363	0.249	0.547	5.964	2.156	6.513

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:26	1.354	4.134	3.426	6.910	4.282	0.132	0.000	851.100
2	15:33:09	1.494	3.888	3.305	6.782	5.980	0.164	0.000	855.300
3	15:33:52	1.629	4.012	4.284	6.780	7.161	0.371	0.000	865.600
x		1.492	4.011	3.672	6.824	5.808	0.222	0.000	857.300
σ		0.137	0.123	0.534	0.075	1.447	0.130	0.000	7.500
%RSD		9.211	3.075	14.540	1.092	24.920	58.420	0.000	0.875

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:26	74.275%	0.609	0.388	73.337%	0.017	0.006	-0.197	-0.116
2	15:33:09	77.979%	0.670	0.332	76.433%	0.011	0.024	-0.000	-0.052
3	15:33:52	77.953%	0.608	0.301	77.175%	0.015	0.002	-0.115	-0.025
x		76.736%	0.629	0.340	75.649%	0.014	0.011	-0.104	-0.064
σ		2.131%	0.036	0.044	2.036%	0.003	0.012	0.099	0.047
%RSD		2.777	5.657	13.010	2.691	23.070	110.500	95.160	72.420

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:26	76.020%	6.418	0.140	0.143	895.000	888.700	80.042%	80.985%
2	15:33:09	80.370%	6.458	0.098	0.101	903.100	902.500	84.069%	85.401%
3	15:33:52	81.431%	6.428	0.105	0.132	896.700	897.900	86.233%	87.069%
x		79.274%	6.435	0.114	0.125	898.300	896.400	83.448%	84.485%
σ		2.868%	0.021	0.022	0.022	4.254	7.019	3.142%	3.143%
%RSD		3.617	0.328	19.720	17.560	0.474	0.783	3.765	3.721

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:26	0.011	0.010	0.372	0.392	0.378	73.583%
2	15:33:09	0.001	0.007	0.406	0.363	0.372	78.364%
3	15:33:52	-0.006	0.003	0.395	0.361	0.379	80.784%
x		0.002	0.006	0.391	0.372	0.376	77.577%
σ		0.009	0.004	0.018	0.017	0.004	3.664%
%RSD		439.400	56.620	4.529	4.586	1.081	4.723

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:39	80.276%	-0.046	890.200	885.800	0.000	30030.000	28710.000	27860.000
2	15:41:22	83.787%	0.054	918.200	899.700	0.000	30010.000	28650.000	28530.000
3	15:42:05	83.440%	0.004	934.900	929.400	0.000	30460.000	29060.000	29040.000
x		82.501%	0.004	914.400	905.000	0.000	30170.000	28810.000	28480.000
σ		1.935%	0.050	22.600	22.260	0.000	251.900	222.500	589.400
%RSD		2.345	1164.000	2.471	2.460	0.000	0.835	0.772	2.070

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:39	14.400	6544.000	0.000	12910.000	284200.000	289600.000	66.891%	4.578
2	15:41:22	14.030	6488.000	0.000	12950.000	288200.000	287200.000	69.181%	3.941
3	15:42:05	14.790	6562.000	0.000	12880.000	288400.000	288600.000	69.448%	4.035
x		14.410	6531.000	0.000	12910.000	286900.000	288500.000	68.507%	4.185
σ		0.376	39.050	0.000	33.650	2399.000	1191.000	1.405%	0.344
%RSD		2.608	0.598	0.000	0.261	0.836	0.413	2.051	8.211

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:39	3.813	2.353	1121.000	2423.000	3077.000	4.067	15.590	33.810
2	15:41:22	3.541	1.692	1124.000	2431.000	3112.000	4.153	15.050	34.240
3	15:42:05	2.352	1.708	1143.000	2461.000	3075.000	4.280	15.680	35.120
x		3.235	1.918	1129.000	2438.000	3088.000	4.167	15.440	34.390
σ		0.777	0.377	12.200	20.310	20.750	0.107	0.339	0.668
%RSD		24.010	19.660	1.080	0.833	0.672	2.574	2.198	1.942

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:39	34.660	721.100	740.100	4.190	4.294	0.347	0.000	1056.000
2	15:41:22	34.400	737.900	752.500	3.756	4.688	1.789	0.000	1075.000
3	15:42:05	34.710	749.100	767.100	3.760	4.730	0.189	0.000	1084.000
x		34.590	736.000	753.200	3.902	4.570	0.775	0.000	1071.000
σ		0.167	14.090	13.510	0.250	0.240	0.882	0.000	14.250
%RSD		0.483	1.914	1.793	6.394	5.263	113.800	0.000	1.330

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:39	71.918%	1.240	1.013	70.233%	0.183	0.159	2.673	2.698
2	15:41:22	74.178%	1.154	1.070	72.802%	0.168	0.196	2.347	2.452
3	15:42:05	75.426%	1.192	1.072	75.299%	0.176	0.185	2.647	2.602
x		73.841%	1.195	1.052	72.778%	0.176	0.180	2.556	2.584
σ		1.778%	0.043	0.033	2.533%	0.008	0.019	0.181	0.124
%RSD		2.408	3.581	3.157	3.480	4.521	10.650	7.085	4.794

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:39	73.075%	5.213	0.587	0.575	321.200	319.000	78.515%	79.518%
2	15:41:22	77.248%	5.508	0.551	0.527	324.900	320.600	82.245%	83.070%
3	15:42:05	78.475%	5.337	0.581	0.614	320.200	320.300	84.448%	84.212%
x		76.266%	5.353	0.573	0.572	322.100	320.000	81.736%	82.267%
σ		2.831%	0.148	0.019	0.044	2.468	0.848	2.999%	2.448%
%RSD		3.712	2.767	3.343	7.651	0.766	0.265	3.669	2.976

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:39	0.100	0.096	5.024	5.205	5.168	72.947%
2	15:41:22	0.140	0.089	5.221	5.475	5.323	75.227%
3	15:42:05	0.090	0.110	5.492	5.108	5.284	76.782%
x		0.110	0.098	5.245	5.263	5.258	74.985%
σ		0.026	0.011	0.235	0.190	0.081	1.929%
%RSD		24.050	11.000	4.477	3.616	1.537	2.572

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:53	83.854%	-0.012	326.200	320.300	0.000	48170.000	50030.000	49500.000
2	15:49:36	88.701%	0.048	317.700	323.700	0.000	47240.000	48690.000	48030.000
3	15:50:19	89.943%	0.109	336.500	333.000	0.000	48670.000	50140.000	49710.000
x		87.499%	0.048	326.800	325.700	0.000	48030.000	49620.000	49080.000
σ		3.217%	0.061	9.417	6.578	0.000	722.100	811.200	914.200
%RSD		3.677	125.700	2.882	2.020	0.000	1.504	1.635	1.863
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:53	6.368	4693.000	0.000	13950.000	132100.000	132600.000	69.893%	0.953
2	15:49:36	6.031	4538.000	0.000	13470.000	128800.000	128500.000	73.729%	1.180
3	15:50:19	6.506	4677.000	0.000	13990.000	133800.000	134600.000	73.211%	1.189
x		6.302	4636.000	0.000	13800.000	131600.000	131900.000	72.278%	1.107
σ		0.244	85.670	0.000	288.400	2529.000	3077.000	2.081%	0.134
%RSD		3.878	1.848	0.000	2.090	1.922	2.333	2.880	12.100
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:53	1.918	4.194	15.370	193.600	461.800	0.306	5.345	1.454
2	15:49:36	1.909	3.496	15.350	191.700	447.100	0.281	4.475	1.676
3	15:50:19	3.186	3.602	15.590	198.700	467.600	0.247	4.431	1.709
x		2.338	3.764	15.440	194.700	458.800	0.278	4.750	1.613
σ		0.735	0.376	0.132	3.644	10.610	0.029	0.515	0.139
%RSD		31.420	9.981	0.857	1.872	2.313	10.520	10.850	8.608
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:53	1.707	2.731	3.361	1.939	2.004	0.155	0.000	655.700
2	15:49:36	1.767	2.956	2.845	1.990	1.429	1.092	0.000	644.200
3	15:50:19	1.878	2.724	3.281	1.300	1.980	0.437	0.000	674.800
x		1.784	2.804	3.162	1.743	1.804	0.561	0.000	658.200
σ		0.087	0.132	0.278	0.384	0.325	0.481	0.000	15.440
%RSD		4.851	4.704	8.776	22.040	18.010	85.620	0.000	2.345
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:53	74.395%	0.630	0.549	73.211%	-0.007	-0.004	-0.125	-0.119
2	15:49:36	78.700%	0.637	0.500	77.090%	0.006	0.002	-0.074	-0.075
3	15:50:19	78.412%	0.571	0.579	77.576%	0.008	0.014	-0.168	-0.112
x		77.169%	0.613	0.543	75.959%	0.002	0.004	-0.123	-0.102
σ		2.407%	0.036	0.040	2.392%	0.008	0.009	0.047	0.024
%RSD		3.119	5.910	7.289	3.149	368.000	238.700	38.330	23.040
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:53	76.707%	4.219	0.042	0.074	165.500	164.900	82.450%	82.626%
2	15:49:36	81.260%	4.232	0.048	0.075	163.200	163.800	87.413%	87.325%
3	15:50:19	81.209%	4.637	0.084	0.067	173.200	170.200	87.569%	88.009%
x		79.726%	4.363	0.058	0.072	167.300	166.300	85.811%	85.986%
σ		2.614%	0.237	0.023	0.005	5.214	3.379	2.911%	2.931%
%RSD		3.279	5.441	39.630	6.306	3.117	2.032	3.393	3.408
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:48:53	-0.003	-0.006	0.080	0.093	0.081	75.810%		
2	15:49:36	-0.012	-0.009	0.066	0.094	0.079	79.463%		
3	15:50:19	-0.003	-0.008	0.096	0.070	0.072	78.959%		
x		-0.006	-0.008	0.081	0.086	0.077	78.078%		
σ		0.005	0.002	0.015	0.014	0.005	1.980%		
%RSD		86.770	22.370	18.210	15.860	6.276	2.536		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:06	84.048%	0.020	326.700	323.600	0.000	13530.000	29130.000	30240.000
2	15:57:49	87.632%	0.034	333.600	335.600	0.000	13620.000	30110.000	30340.000
3	15:58:32	89.938%	0.063	328.200	322.500	0.000	13150.000	27740.000	29240.000
x		87.206%	0.039	329.500	327.200	0.000	13430.000	28990.000	29940.000
σ		2.968%	0.022	3.619	7.247	0.000	248.600	1189.000	606.900
%RSD		3.404	55.330	1.098	2.215	0.000	1.851	4.103	2.027

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:06	7.579	4051.000	0.000	5240.000	109600.000	107500.000	70.622%	1.417
2	15:57:49	7.370	4085.000	0.000	5310.000	111900.000	109700.000	71.949%	0.959
3	15:58:32	7.165	3903.000	0.000	5070.000	107000.000	103500.000	73.735%	0.970
x		7.371	4013.000	0.000	5207.000	109500.000	106900.000	72.102%	1.115
σ		0.207	96.590	0.000	123.300	2459.000	3136.000	1.562%	0.261
%RSD		2.804	2.407	0.000	2.367	2.246	2.933	2.167	23.420

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:06	3.598	3.477	35.500	387.400	609.100	0.088	1.105	0.677
2	15:57:49	3.957	3.110	35.630	391.300	621.800	0.142	0.997	0.776
3	15:58:32	3.420	2.872	34.160	377.900	581.700	0.154	0.784	0.738
x		3.659	3.153	35.090	385.600	604.200	0.128	0.962	0.730
σ		0.274	0.305	0.814	6.898	20.500	0.035	0.163	0.050
%RSD		7.481	9.675	2.321	1.789	3.393	27.200	16.980	6.836

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:06	0.633	1.642	2.405	-0.240	0.564	-0.786	0.000	340.800
2	15:57:49	0.656	1.630	1.750	0.229	0.514	-0.147	0.000	343.400
3	15:58:32	0.751	1.267	1.437	-0.149	0.696	-0.631	0.000	334.300
x		0.680	1.513	1.864	-0.053	0.592	-0.521	0.000	339.500
σ		0.063	0.213	0.494	0.249	0.094	0.333	0.000	4.668
%RSD		9.229	14.070	26.510	466.800	15.910	63.880	0.000	1.375

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:06	75.120%	1.502	1.639	74.507%	-0.005	-0.009	0.032	-0.013
2	15:57:49	78.211%	1.745	1.594	77.082%	-0.001	0.002	-0.009	-0.016
3	15:58:32	80.009%	1.478	1.569	79.656%	-0.013	0.004	-0.074	-0.061
x		77.780%	1.575	1.601	77.082%	-0.006	-0.001	-0.017	-0.030
σ		2.473%	0.148	0.035	2.574%	0.006	0.007	0.053	0.027
%RSD		3.179	9.389	2.217	3.340	95.570	580.400	314.000	89.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:06	77.532%	3.318	0.057	0.058	145.400	145.000	82.794%	83.275%
2	15:57:49	80.951%	3.569	0.030	0.065	143.900	146.200	85.948%	86.761%
3	15:58:32	83.689%	3.424	0.021	0.041	140.400	138.700	89.779%	90.085%
x		80.724%	3.437	0.036	0.054	143.200	143.300	86.174%	86.707%
σ		3.085%	0.126	0.019	0.012	2.590	4.031	3.498%	3.405%
%RSD		3.822	3.668	51.580	22.000	1.808	2.813	4.059	3.927

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:06	-0.014	-0.010	1.320	1.480	1.396	75.647%
2	15:57:49	-0.010	-0.012	1.489	1.348	1.403	79.918%
3	15:58:32	-0.013	-0.008	1.352	1.335	1.345	82.609%
x		-0.013	-0.010	1.387	1.388	1.381	79.391%
σ		0.002	0.002	0.090	0.080	0.032	3.511%
%RSD		15.760	20.610	6.473	5.759	2.302	4.422

180-19795-F-5-B 4/12/2013 4:04:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:20	87.014%	-0.030	433.000	425.300	0.000	38350.000	47220.000	46880.000
2	16:06:03	92.071%	0.030	412.000	407.900	0.000	36230.000	44600.000	44070.000
3	16:06:46	91.374%	-0.015	438.300	435.900	0.000	37740.000	46210.000	45940.000
x		90.153%	-0.005	427.800	423.000	0.000	37440.000	46010.000	45630.000
σ		2.741%	0.031	13.870	14.140	0.000	1089.000	1322.000	1431.000
%RSD		3.040	636.700	3.243	3.342	0.000	2.908	2.874	3.137
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:20	37.810	3434.000	0.000	8917.000	105700.000	101400.000	70.674%	0.978
2	16:06:03	38.610	3202.000	0.000	8414.000	100200.000	95960.000	75.268%	1.121
3	16:06:46	41.520	3348.000	0.000	8740.000	105400.000	100700.000	74.559%	1.166
x		39.310	3328.000	0.000	8690.000	103700.000	99360.000	73.500%	1.088
σ		1.952	117.700	0.000	255.300	3106.000	2959.000	2.473%	0.098
%RSD		4.967	3.536	0.000	2.938	2.994	2.978	3.365	9.025
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:20	4.620	23.510	31.850	710.600	930.100	1.926	20.910	1.787
2	16:06:03	5.903	21.690	30.310	665.900	888.900	1.657	19.700	1.726
3	16:06:46	0.462	22.840	31.940	696.700	893.700	1.719	20.260	1.868
x		3.662	22.680	31.360	691.100	904.200	1.767	20.290	1.794
σ		2.845	0.922	0.918	22.890	22.520	0.141	0.602	0.071
%RSD		77.690	4.067	2.926	3.312	2.490	7.985	2.969	3.970
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:20	1.656	9.787	8.691	1.182	0.404	0.190	0.000	482.200
2	16:06:03	1.710	9.714	10.020	0.276	-0.086	0.149	0.000	458.100
3	16:06:46	1.656	9.659	10.140	2.219	0.579	-0.210	0.000	475.000
x		1.674	9.720	9.617	1.226	0.299	0.043	0.000	471.800
σ		0.031	0.065	0.804	0.972	0.345	0.220	0.000	12.370
%RSD		1.861	0.665	8.359	79.290	115.400	515.700	0.000	2.622
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:20	75.386%	0.980	1.000	74.611%	0.023	0.000	-0.002	-0.032
2	16:06:03	80.272%	0.956	0.943	79.796%	-0.006	0.015	-0.092	-0.001
3	16:06:46	80.503%	0.932	0.946	79.236%	0.009	0.011	-0.115	-0.056
x		78.720%	0.956	0.963	77.881%	0.009	0.009	-0.070	-0.030
σ		2.890%	0.024	0.032	2.846%	0.015	0.008	0.059	0.028
%RSD		3.671	2.471	3.313	3.654	167.500	87.040	85.080	93.430
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:20	78.145%	3.608	0.229	0.251	157.600	158.800	82.275%	82.833%
2	16:06:03	83.480%	3.808	0.251	0.236	154.500	151.100	89.325%	89.252%
3	16:06:46	83.506%	3.696	0.235	0.283	157.700	157.100	89.456%	89.421%
x		81.710%	3.704	0.238	0.257	156.600	155.700	87.019%	87.169%
σ		3.088%	0.101	0.011	0.024	1.807	4.050	4.109%	3.756%
%RSD		3.779	2.712	4.683	9.400	1.154	2.601	4.722	4.309
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:05:20	-0.013	-0.014	0.253	0.258	0.252	75.513%		
2	16:06:03	-0.016	-0.009	0.221	0.200	0.226	82.275%		
3	16:06:46	-0.011	-0.009	0.253	0.228	0.240	81.096%		
x		-0.013	-0.011	0.242	0.229	0.239	79.628%		
σ		0.003	0.003	0.018	0.029	0.013	3.612%		
%RSD		21.140	23.900	7.525	12.620	5.477	4.536		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:34	88.128%	0.033	808.400	827.800	0.000	35760.000	179300.000	178000.000
2	16:14:17	96.600%	0.055	815.000	800.100	0.000	34250.000	172500.000	171300.000
3	16:15:00	98.024%	0.054	828.200	820.100	0.000	34910.000	174300.000	171800.000
x		94.251%	0.048	817.200	816.000	0.000	34970.000	175400.000	173700.000
σ		5.350%	0.012	10.070	14.290	0.000	755.800	3540.000	3700.000
%RSD		5.676	26.080	1.232	1.752	0.000	2.161	2.019	2.130

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:34	11.000	6597.000	0.000	9265.000	135100.000	135300.000	72.926%	1.229
2	16:14:17	10.240	6370.000	0.000	9008.000	132300.000	132800.000	76.893%	1.164
3	16:15:00	9.824	6400.000	0.000	9037.000	133100.000	133100.000	78.547%	1.040
x		10.350	6456.000	0.000	9104.000	133500.000	133700.000	76.122%	1.144
σ		0.597	123.000	0.000	140.600	1430.000	1375.000	2.889%	0.096
%RSD		5.770	1.905	0.000	1.545	1.071	1.029	3.795	8.411

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:34	2.508	7.000	151.600	615.600	896.300	2.364	35.900	4.371
2	16:14:17	3.809	7.201	150.500	607.000	872.500	2.279	34.730	4.542
3	16:15:00	0.787	6.986	151.100	609.100	864.300	2.339	33.960	4.216
x		2.368	7.062	151.000	610.600	877.700	2.327	34.860	4.376
σ		1.516	0.121	0.568	4.445	16.650	0.044	0.979	0.163
%RSD		64.000	1.710	0.376	0.728	1.897	1.877	2.808	3.728

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:34	4.449	156.400	160.500	3.451	1.978	2.353	0.000	306.300
2	16:14:17	4.200	154.200	159.200	2.626	2.714	1.924	0.000	307.200
3	16:15:00	4.497	158.100	157.800	4.193	2.421	1.626	0.000	307.000
x		4.382	156.200	159.200	3.423	2.371	1.968	0.000	306.800
σ		0.159	1.943	1.341	0.784	0.370	0.365	0.000	0.451
%RSD		3.637	1.243	0.843	22.910	15.620	18.560	0.000	0.147

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:34	77.478%	159.900	162.300	75.714%	0.098	0.144	0.013	-0.083
2	16:14:17	80.946%	158.800	163.500	79.933%	0.078	0.098	0.022	0.061
3	16:15:00	83.419%	159.300	162.700	81.950%	0.132	0.072	-0.113	-0.024
x		80.615%	159.300	162.800	79.199%	0.103	0.105	-0.026	-0.015
σ		2.984%	0.544	0.608	3.182%	0.027	0.036	0.076	0.072
%RSD		3.702	0.341	0.374	4.018	26.420	34.610	291.100	467.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:34	78.359%	3.424	22.830	22.850	82.020	82.600	83.735%	83.290%
2	16:14:17	83.597%	3.544	22.870	22.480	82.640	82.750	88.926%	89.820%
3	16:15:00	85.825%	3.547	22.850	22.530	86.680	82.770	91.372%	92.461%
x		82.594%	3.505	22.850	22.620	83.780	82.710	88.011%	88.524%
σ		3.833%	0.070	0.017	0.202	2.530	0.091	3.900%	4.721%
%RSD		4.641	2.002	0.076	0.893	3.020	0.110	4.431	5.333

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:34	-0.004	-0.008	0.244	0.208	0.229	75.425%
2	16:14:17	-0.012	-0.010	0.194	0.255	0.228	80.949%
3	16:15:00	-0.005	-0.007	0.187	0.204	0.222	82.840%
x		-0.007	-0.008	0.208	0.222	0.226	79.738%
σ		0.004	0.002	0.031	0.028	0.004	3.853%
%RSD		59.410	20.990	15.100	12.690	1.767	4.832

CCV 781130 4/12/2013 4:21:05 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:48	75.727%	96.370	109.900	106.600	0.000	49710.000	49830.000	49880.000
2	16:22:31	76.522%	96.350	108.300	109.400	0.000	50020.000	50360.000	50400.000
3	16:23:14	76.651%	97.640	107.100	108.700	0.000	50190.000	50120.000	50050.000
x		76.300%	96.789%	108.460%	108.249%	0.000	99.952%	100.201%	100.215%
σ		0.500%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.656	0.765	1.317	1.330	0.000	0.484	0.530	0.525
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:48	504.500	4758.000	0.000	50640.000	51120.000	49890.000	68.887%	101.500
2	16:22:31	512.100	4774.000	0.000	51210.000	52110.000	50320.000	69.078%	102.900
3	16:23:14	509.200	4761.000	0.000	51170.000	51550.000	50800.000	69.812%	103.500
x		101.713%	95.293%	0.000	102.015%	103.192%	100.673%	69.259%	102.624%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.489%	n/a
%RSD		0.753	0.174	0.000	0.622	0.963	0.908	0.706	0.966
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:48	103.200	104.000	513.900	26080.000	25820.000	104.800	103.900	104.900
2	16:22:31	106.500	106.000	525.700	26460.000	26230.000	106.800	104.200	105.900
3	16:23:14	103.900	104.200	524.200	26230.000	26390.000	106.100	106.600	107.200
x		104.520%	104.732%	104.256%	105.026%	104.587%	105.884%	104.885%	105.964%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.648	1.082	1.231	0.733	1.138	0.939	1.404	1.095
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:48	107.100	101.200	101.500	100.500	100.400	101.400	0.000	102.300
2	16:22:31	107.900	102.900	104.800	102.700	103.300	103.700	0.000	101.700
3	16:23:14	106.400	104.900	104.300	101.700	100.700	103.200	0.000	103.900
x		107.145%	102.998%	103.550%	101.617%	101.444%	102.750%	0.000	102.655%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.672	1.767	1.702	1.050	1.572	1.198	0.000	1.114
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:48	71.041%	100.900	100.000	72.244%	101.200	102.700	102.000	101.900
2	16:22:31	72.898%	105.200	102.900	73.572%	103.000	103.600	103.100	103.200
3	16:23:14	73.473%	104.800	104.300	74.594%	104.800	103.500	104.800	104.200
x		72.471%	103.668%	102.411%	73.470%	102.985%	103.275%	103.318%	103.075%
σ		1.271%	n/a	n/a	1.178%	n/a	n/a	n/a	n/a
%RSD		1.754	2.279	2.126	1.604	1.732	0.503	1.370	1.099
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:48	72.354%	100.100	99.730	99.890	99.720	100.500	74.226%	73.973%
2	16:22:31	74.644%	100.600	100.100	100.500	101.300	101.700	76.104%	76.395%
3	16:23:14	74.309%	101.100	102.500	102.400	105.500	102.100	76.692%	77.849%
x		73.769%	100.602%	100.789%	100.936%	102.186%	101.442%	75.674%	76.072%
σ		1.237%	n/a	n/a	n/a	n/a	n/a	1.288%	1.958%
%RSD		1.677	0.513	1.515	1.279	2.928	0.792	1.702	2.574
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:21:48	102.900	102.300	102.700	103.000	102.500	71.432%		
2	16:22:31	104.000	103.500	103.800	104.300	104.000	72.824%		
3	16:23:14	104.200	104.500	105.600	105.700	105.700	73.810%		
x		103.697%	103.445%	104.025%	104.349%	104.061%	72.688%		
σ		n/a	n/a	n/a	n/a	n/a	1.195%		
%RSD		0.695	1.087	1.436	1.297	1.509	1.644		

CCB2 4/12/2013 4:29:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:04	115.027%	0.003	3.863	2.959	0.000	49.440	0.384	0.327
2	16:30:47	116.419%	-0.021	1.906	3.453	0.000	46.690	-0.523	0.142
3	16:31:30	116.725%	-0.009	2.399	2.980	0.000	45.340	0.050	0.334
x		116.057%	-0.009	2.723	3.131	0.000	47.160	-0.029	0.268
σ		0.905%	0.012	1.018	0.279	0.000	2.092	0.459	0.109
%RSD		0.780	136.800	37.390	8.913	0.000	4.436	1557.000	40.760
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:04	-0.264	-243.400	0.000	-78.130	-9.597	-33.260	82.266%	0.020
2	16:30:47	-0.364	-240.300	0.000	-78.050	-0.232	-40.090	82.330%	0.083
3	16:31:30	-0.397	-246.600	0.000	-81.970	-6.536	-46.200	84.011%	0.080
x		-0.342	-243.400	0.000	-79.380	-5.455	-39.850	82.869%	0.061
σ		0.069	3.165	0.000	2.239	4.775	6.471	0.989%	0.036
%RSD		20.200	1.300	0.000	2.821	87.540	16.240	1.194	58.310
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:04	0.560	0.154	0.192	-8.105	-1.293	-0.026	0.192	0.058
2	16:30:47	0.753	0.143	0.177	-9.147	-1.872	-0.028	0.015	-0.027
3	16:31:30	0.897	0.208	0.160	-9.827	-5.722	-0.022	0.175	0.008
x		0.737	0.168	0.176	-9.026	-2.963	-0.025	0.127	0.013
σ		0.169	0.035	0.016	0.867	2.407	0.003	0.098	0.043
%RSD		22.990	20.750	9.016	9.609	81.260	12.140	76.560	330.400
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:04	0.028	-0.918	-0.821	-0.407	-1.264	-1.501	0.000	-0.014
2	16:30:47	0.002	-0.930	-1.004	-0.311	-1.565	-0.779	0.000	-0.003
3	16:31:30	-0.001	-1.093	-0.856	-0.075	-1.369	-1.959	0.000	-0.017
x		0.010	-0.980	-0.893	-0.264	-1.399	-1.413	0.000	-0.011
σ		0.016	0.098	0.097	0.171	0.152	0.595	0.000	0.008
%RSD		164.300	9.990	10.910	64.730	10.880	42.110	0.000	68.090
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:04	81.258%	0.344	0.288	83.360%	-0.007	0.006	-0.025	-0.024
2	16:30:47	81.649%	0.306	0.352	83.114%	-0.007	-0.006	-0.090	-0.056
3	16:31:30	82.779%	0.251	0.341	84.830%	0.001	-0.004	-0.092	-0.058
x		81.895%	0.301	0.327	83.768%	-0.004	-0.001	-0.069	-0.046
σ		0.790%	0.047	0.034	0.928%	0.005	0.006	0.038	0.019
%RSD		0.964	15.660	10.450	1.108	116.200	452.800	55.510	42.030
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:04	82.230%	0.097	-0.004	-0.016	-0.015	0.006	85.511%	85.663%
2	16:30:47	83.415%	0.061	-0.025	0.000	-0.003	-0.001	85.859%	85.764%
3	16:31:30	85.209%	0.084	-0.016	-0.034	-0.015	-0.001	85.393%	87.395%
x		83.618%	0.081	-0.015	-0.017	-0.011	0.001	85.588%	86.274%
σ		1.500%	0.018	0.010	0.017	0.007	0.004	0.242%	0.972%
%RSD		1.794	22.190	68.450	102.300	62.310	272.800	0.283	1.127
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:30:04	-0.007	-0.004	0.079	0.098	0.091	83.168%		
2	16:30:47	-0.009	-0.009	0.101	0.065	0.096	82.905%		
3	16:31:30	-0.016	-0.010	0.070	0.099	0.086	85.323%		
x		-0.011	-0.008	0.083	0.087	0.091	83.799%		
σ		0.005	0.003	0.016	0.019	0.005	1.327%		
%RSD		45.320	42.950	18.980	22.210	5.416	1.583		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:55	78.245%	0.025	496.800	498.900	0.000	65850.000	31480.000	33570.000
2	16:35:38	83.452%	0.004	492.400	495.600	0.000	65850.000	33410.000	33390.000
3	16:36:21	84.936%	0.003	494.700	513.800	0.000	66840.000	34000.000	33760.000
x		82.211%	0.011	494.600	502.800	0.000	66180.000	32970.000	33570.000
σ		3.514%	0.012	2.231	9.721	0.000	572.100	1320.000	183.500
%RSD		4.274	112.400	0.451	1.933	0.000	0.865	4.004	0.547

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:55	6.638	6843.000	0.000	5652.000	105000.000	103100.000	68.348%	1.390
2	16:35:38	6.741	6813.000	0.000	5610.000	105800.000	103800.000	71.105%	1.479
3	16:36:21	7.422	6819.000	0.000	5655.000	106500.000	105000.000	72.218%	1.670
x		6.934	6825.000	0.000	5639.000	105800.000	104000.000	70.557%	1.513
σ		0.426	15.770	0.000	25.020	722.800	966.100	1.993%	0.143
%RSD		6.149	0.231	0.000	0.444	0.683	0.929	2.824	9.434

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:55	5.204	15.040	666.500	2622.000	2859.000	0.590	7.275	1.552
2	16:35:38	3.653	14.260	665.600	2544.000	2834.000	0.568	7.063	1.733
3	16:36:21	2.864	14.070	672.100	2613.000	2826.000	0.528	7.278	1.613
x		3.907	14.450	668.100	2593.000	2840.000	0.562	7.205	1.633
σ		1.190	0.513	3.551	42.570	16.960	0.031	0.124	0.092
%RSD		30.460	3.551	0.532	1.642	0.597	5.579	1.714	5.640

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:55	1.404	4.186	5.135	2.174	-0.177	-0.725	0.000	379.000
2	16:35:38	1.732	4.740	4.843	-0.179	0.553	0.627	0.000	383.600
3	16:36:21	1.569	4.647	5.298	-0.101	-0.021	-1.069	0.000	387.200
x		1.568	4.524	5.092	0.631	0.119	-0.389	0.000	383.300
σ		0.164	0.297	0.231	1.336	0.385	0.896	0.000	4.136
%RSD		10.480	6.564	4.530	211.700	324.200	230.400	0.000	1.079

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:55	72.415%	11.760	11.780	71.888%	0.018	-0.007	-0.105	-0.024
2	16:35:38	75.529%	12.100	11.680	75.318%	0.009	0.007	-0.054	-0.028
3	16:36:21	77.180%	12.010	12.250	76.822%	-0.003	0.014	-0.086	-0.059
x		75.041%	11.960	11.910	74.676%	0.008	0.005	-0.082	-0.037
σ		2.420%	0.176	0.306	2.529%	0.011	0.011	0.026	0.019
%RSD		3.224	1.476	2.569	3.386	135.100	210.200	31.280	51.460

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:55	75.228%	3.019	0.075	0.086	409.500	401.700	79.436%	80.187%
2	16:35:38	78.836%	3.050	0.058	0.085	408.800	406.600	84.090%	84.944%
3	16:36:21	80.087%	3.008	0.063	0.060	418.200	410.700	85.677%	86.541%
x		78.050%	3.026	0.066	0.077	412.100	406.300	83.068%	83.890%
σ		2.523%	0.022	0.009	0.015	5.219	4.499	3.243%	3.305%
%RSD		3.233	0.737	13.530	19.240	1.266	1.107	3.905	3.940

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:55	-0.005	-0.011	0.359	0.345	0.328	74.771%
2	16:35:38	-0.007	-0.010	0.361	0.305	0.341	77.043%
3	16:36:21	-0.010	-0.009	0.325	0.310	0.344	78.610%
x		-0.007	-0.010	0.348	0.320	0.338	76.808%
σ		0.003	0.001	0.021	0.022	0.009	1.930%
%RSD		33.800	6.314	5.931	6.727	2.558	2.513

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:08	79.722%	0.007	677.900	673.300	0.000	29960.000	46600.000	46310.000
2	16:43:51	82.216%	0.073	712.900	707.000	0.000	31140.000	47980.000	47590.000
3	16:44:34	84.826%	0.004	708.600	703.000	0.000	30530.000	47480.000	46920.000
x		82.254%	0.028	699.800	694.400	0.000	30540.000	47350.000	46940.000
σ		2.552%	0.039	19.110	18.400	0.000	593.500	699.600	638.200
%RSD		3.103	141.300	2.730	2.650	0.000	1.943	1.477	1.359
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:08	5.140	8763.000	0.000	16010.000	171100.000	176000.000	68.650%	1.422
2	16:43:51	5.561	8835.000	0.000	16680.000	179500.000	184100.000	68.419%	1.689
3	16:44:34	5.565	8853.000	0.000	16530.000	178200.000	181500.000	69.569%	1.289
x		5.422	8817.000	0.000	16410.000	176300.000	180500.000	68.879%	1.467
σ		0.244	47.570	0.000	353.200	4513.000	4140.000	0.608%	0.204
%RSD		4.503	0.539	0.000	2.153	2.560	2.293	0.883	13.880
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:08	2.667	5.384	11.380	66.860	421.600	0.260	6.866	3.262
2	16:43:51	4.403	4.858	11.890	70.620	410.300	0.250	7.083	3.647
3	16:44:34	4.028	4.714	11.690	68.770	383.600	0.308	6.783	3.354
x		3.700	4.985	11.650	68.750	405.200	0.273	6.911	3.421
σ		0.913	0.352	0.258	1.885	19.490	0.031	0.155	0.201
%RSD		24.690	7.069	2.214	2.742	4.810	11.260	2.240	5.868
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:08	3.635	105.500	105.200	-0.902	3.016	4.563	0.000	330.700
2	16:43:51	3.646	109.300	111.700	0.878	3.665	4.179	0.000	344.200
3	16:44:34	3.539	105.500	108.200	1.354	3.456	3.623	0.000	337.500
x		3.606	106.800	108.400	0.443	3.379	4.122	0.000	337.400
σ		0.059	2.214	3.235	1.189	0.331	0.472	0.000	6.707
%RSD		1.633	2.074	2.986	268.200	9.808	11.460	0.000	1.988
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:08	72.064%	17.530	17.750	71.329%	0.018	0.017	0.846	1.180
2	16:43:51	73.162%	18.560	18.490	72.606%	0.008	0.013	1.188	1.162
3	16:44:34	75.492%	18.260	18.240	74.176%	-0.010	0.010	1.388	1.192
x		73.573%	18.120	18.160	72.703%	0.005	0.013	1.141	1.178
σ		1.751%	0.531	0.373	1.426%	0.014	0.003	0.274	0.015
%RSD		2.379	2.932	2.054	1.961	261.900	24.500	24.020	1.275
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:08	73.841%	2.903	4.319	4.086	68.810	68.640	79.576%	80.256%
2	16:43:51	76.639%	2.992	4.526	4.483	71.940	72.330	81.539%	82.102%
3	16:44:34	78.160%	3.095	4.517	4.366	70.220	70.600	84.971%	85.048%
x		76.213%	2.997	4.454	4.312	70.320	70.530	82.029%	82.468%
σ		2.191%	0.096	0.117	0.204	1.565	1.846	2.731%	2.417%
%RSD		2.874	3.198	2.636	4.736	2.225	2.617	3.329	2.931
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:43:08	0.057	0.065	0.247	0.242	0.241	74.400%		
2	16:43:51	0.049	0.058	0.262	0.263	0.255	74.865%		
3	16:44:34	0.060	0.056	0.246	0.249	0.255	76.858%		
x		0.055	0.060	0.252	0.251	0.250	75.374%		
σ		0.006	0.005	0.009	0.010	0.008	1.306%		
%RSD		10.230	8.171	3.568	4.139	3.042	1.733		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:20	76.035%	-0.009	401.200	400.700	0.000	54640.000	29680.000	28830.000
2	16:52:03	81.009%	0.006	390.100	379.600	0.000	51550.000	27910.000	27240.000
3	16:52:45	81.334%	-0.046	388.800	390.100	0.000	52590.000	28550.000	27810.000
x		79.459%	-0.016	393.400	390.100	0.000	52930.000	28710.000	27960.000
σ		2.970%	0.026	6.815	10.540	0.000	1575.000	895.800	807.900
%RSD		3.738	162.500	1.732	2.702	0.000	2.976	3.120	2.890
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:20	8.588	8012.000	0.000	7996.000	374800.000	380900.000	64.659%	1.909
2	16:52:03	7.099	7669.000	0.000	7483.000	357100.000	358300.000	68.296%	1.390
3	16:52:45	7.471	7883.000	0.000	7684.000	364600.000	366500.000	67.753%	1.589
x		7.719	7855.000	0.000	7721.000	365500.000	368600.000	66.903%	1.629
σ		0.775	173.300	0.000	258.500	8848.000	11410.000	1.962%	0.262
%RSD		10.040	2.206	0.000	3.348	2.421	3.096	2.933	16.070
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:20	3.919	13.410	123.000	412.700	1169.000	0.978	17.480	44.820
2	16:52:03	1.948	12.250	118.800	388.500	1059.000	0.949	16.320	43.410
3	16:52:45	4.458	12.030	120.100	394.000	1047.000	1.008	17.430	43.370
x		3.442	12.560	120.600	398.400	1092.000	0.979	17.080	43.870
σ		1.321	0.742	2.184	12.680	67.160	0.030	0.653	0.827
%RSD		38.390	5.909	1.810	3.184	6.150	3.019	3.826	1.886
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:20	44.780	243.800	247.400	-0.653	0.042	-0.636	0.000	1156.000
2	16:52:03	43.280	234.900	233.300	2.543	0.158	0.871	0.000	1110.000
3	16:52:45	45.450	241.600	244.700	1.132	0.104	0.787	0.000	1122.000
x		44.500	240.100	241.800	1.007	0.101	0.340	0.000	1129.000
σ		1.111	4.622	7.499	1.602	0.058	0.847	0.000	23.690
%RSD		2.497	1.925	3.101	159.000	57.450	248.900	0.000	2.098
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:20	69.860%	5.041	5.032	68.299%	0.207	0.184	0.944	0.894
2	16:52:03	74.095%	4.578	4.857	72.485%	0.183	0.179	1.010	1.047
3	16:52:45	75.665%	4.771	4.679	73.640%	0.194	0.235	0.890	0.933
x		73.207%	4.797	4.856	71.475%	0.195	0.200	0.948	0.958
σ		3.003%	0.232	0.177	2.811%	0.012	0.031	0.060	0.079
%RSD		4.102	4.843	3.638	3.932	6.017	15.440	6.317	8.289
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:20	71.796%	2.836	1.657	1.743	42.630	43.060	77.679%	78.851%
2	16:52:03	76.539%	3.193	1.615	1.627	41.590	41.130	82.488%	84.032%
3	16:52:45	78.265%	3.109	1.622	1.598	41.180	41.560	84.613%	85.875%
x		75.533%	3.046	1.631	1.656	41.800	41.910	81.593%	82.919%
σ		3.350%	0.186	0.023	0.077	0.745	1.012	3.552%	3.642%
%RSD		4.435	6.119	1.382	4.635	1.783	2.414	4.354	4.392
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:51:20	0.002	0.007	4.024	4.299	4.111	70.240%		
2	16:52:03	0.012	0.009	3.849	3.719	3.779	80.179%		
3	16:52:45	0.004	0.007	4.012	4.222	4.149	76.819%		
x		0.006	0.008	3.961	4.080	4.013	75.746%		
σ		0.005	0.001	0.098	0.315	0.204	5.055%		
%RSD		84.380	17.200	2.473	7.723	5.072	6.674		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:32	73.974%	-0.008	77.610	77.800	0.000	10800.000	5885.000	5879.000
2	17:00:16	73.681%	-0.008	79.600	78.960	0.000	10890.000	5962.000	5958.000
3	17:00:59	75.661%	0.027	81.470	78.480	0.000	10550.000	5751.000	5713.000
x		74.439%	0.004	79.560	78.410	0.000	10750.000	5866.000	5850.000
σ		1.069%	0.021	1.933	0.584	0.000	175.800	106.700	125.000
%RSD		1.436	558.500	2.429	0.745	0.000	1.635	1.819	2.137

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:32	3.861	1539.000	0.000	1484.000	72460.000	71020.000	66.865%	0.420
2	17:00:16	3.340	1540.000	0.000	1502.000	71820.000	71190.000	66.462%	0.539
3	17:00:59	3.847	1453.000	0.000	1438.000	70660.000	69240.000	67.592%	0.186
x		3.683	1511.000	0.000	1475.000	71650.000	70490.000	66.973%	0.381
σ		0.297	49.900	0.000	33.020	912.800	1083.000	0.573%	0.179
%RSD		8.064	3.302	0.000	2.239	1.274	1.537	0.855	47.060

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:32	1.625	3.073	24.070	87.240	240.000	0.186	3.667	9.100
2	17:00:16	0.428	3.092	24.200	86.890	248.300	0.182	4.096	9.095
3	17:00:59	1.153	2.710	23.330	83.040	235.300	0.181	4.078	9.339
x		1.069	2.959	23.870	85.720	241.200	0.183	3.947	9.178
σ		0.603	0.215	0.467	2.327	6.587	0.003	0.243	0.140
%RSD		56.400	7.271	1.957	2.714	2.731	1.430	6.147	1.522

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:32	9.086	48.530	48.440	0.524	-1.129	-0.348	0.000	223.400
2	17:00:16	9.352	47.880	48.960	0.398	-0.930	-0.960	0.000	225.400
3	17:00:59	9.136	47.480	47.440	0.380	-0.551	-0.362	0.000	222.100
x		9.191	47.960	48.280	0.434	-0.870	-0.556	0.000	223.600
σ		0.142	0.535	0.772	0.079	0.294	0.349	0.000	1.682
%RSD		1.542	1.115	1.599	18.110	33.760	62.770	0.000	0.752

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:32	70.616%	0.937	0.894	70.976%	0.029	0.023	0.087	0.146
2	17:00:16	70.705%	1.056	0.873	71.414%	0.043	0.043	0.122	0.216
3	17:00:59	71.525%	0.760	0.792	71.751%	0.036	0.042	0.067	0.117
x		70.949%	0.917	0.853	71.380%	0.036	0.036	0.092	0.160
σ		0.501%	0.149	0.054	0.389%	0.007	0.012	0.028	0.051
%RSD		0.706	16.210	6.324	0.545	20.170	32.140	30.200	31.660

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:32	72.076%	0.154	0.300	0.282	8.302	7.954	76.333%	77.087%
2	17:00:16	73.264%	0.135	0.358	0.340	8.583	8.153	77.208%	77.619%
3	17:00:59	74.020%	0.144	0.301	0.301	8.270	8.204	78.588%	78.746%
x		73.120%	0.144	0.320	0.308	8.385	8.104	77.376%	77.817%
σ		0.980%	0.009	0.033	0.030	0.172	0.132	1.137%	0.847%
%RSD		1.341	6.551	10.310	9.662	2.053	1.633	1.469	1.088

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:32	-0.012	-0.012	0.848	0.822	0.818	72.397%
2	17:00:16	-0.008	-0.011	0.827	0.867	0.801	73.465%
3	17:00:59	-0.014	-0.009	0.697	0.781	0.757	74.154%
x		-0.011	-0.011	0.791	0.823	0.792	73.339%
σ		0.003	0.001	0.082	0.043	0.032	0.886%
%RSD		27.660	13.180	10.320	5.260	3.990	1.208

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:45	73.839%	47.330	1463.000	1455.000	0.000	103700.000	78360.000	77320.000
2	17:08:28	77.268%	48.290	1486.000	1448.000	0.000	101900.000	76700.000	75960.000
3	17:09:10	81.102%	48.040	1478.000	1449.000	0.000	101300.000	76180.000	75550.000
x		77.403%	47.890	1475.000	1451.000	0.000	102300.000	77080.000	76280.000
σ		3.633%	0.497	11.840	3.774	0.000	1251.000	1138.000	928.200
%RSD		4.694	1.037	0.803	0.260	0.000	1.223	1.476	1.217

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:45	1954.000	16440.000	0.000	56570.000	411200.000	411100.000	64.676%	1007.000
2	17:08:28	1938.000	16240.000	0.000	56380.000	413100.000	410600.000	66.514%	1006.000
3	17:09:10	1922.000	16090.000	0.000	55770.000	406100.000	407700.000	68.099%	1014.000
x		1938.000	16260.000	0.000	56240.000	410100.000	409800.000	66.430%	1009.000
σ		15.830	178.000	0.000	420.000	3584.000	1850.000	1.713%	4.192
%RSD		0.817	1.095	0.000	0.747	0.874	0.452	2.578	0.415

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:45	517.100	215.900	640.300	1395.000	2246.000	500.100	498.200	287.700
2	17:08:28	515.600	215.900	637.400	1390.000	2232.000	498.400	497.800	283.900
3	17:09:10	517.500	213.200	640.700	1406.000	2216.000	499.100	499.300	285.800
x		516.700	215.000	639.500	1397.000	2231.000	499.200	498.400	285.800
σ		0.987	1.591	1.788	7.873	15.090	0.833	0.787	1.925
%RSD		0.191	0.740	0.280	0.564	0.676	0.167	0.158	0.673

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:45	285.600	706.000	719.100	41.030	9.799	10.140	0.000	2214.000
2	17:08:28	284.400	710.000	720.000	39.610	9.906	9.843	0.000	2166.000
3	17:09:10	284.500	711.200	719.200	39.020	9.407	9.497	0.000	2154.000
x		284.800	709.100	719.400	39.890	9.704	9.826	0.000	2178.000
σ		0.670	2.695	0.481	1.037	0.263	0.321	0.000	32.100
%RSD		0.235	0.380	0.067	2.599	2.707	3.266	0.000	1.474

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:45	69.037%	1044.000	1056.000	67.152%	52.130	51.740	53.890	47.530
2	17:08:28	72.400%	1049.000	1061.000	69.616%	51.620	51.420	53.480	49.190
3	17:09:10	74.760%	1053.000	1064.000	71.802%	51.630	51.170	53.170	47.520
x		72.066%	1049.000	1060.000	69.524%	51.790	51.440	53.510	48.080
σ		2.876%	4.651	4.304	2.326%	0.294	0.282	0.362	0.961
%RSD		3.991	0.444	0.406	3.346	0.567	0.548	0.676	1.999

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:45	70.664%	2027.000	513.100	509.000	2052.000	2048.000	78.837%	79.171%
2	17:08:28	74.191%	2021.000	513.600	508.700	2063.000	2041.000	81.860%	82.839%
3	17:09:10	77.060%	2001.000	502.600	504.700	2041.000	2018.000	84.331%	86.038%
x		73.971%	2016.000	509.800	507.500	2052.000	2036.000	81.676%	82.682%
σ		3.204%	13.660	6.246	2.379	10.670	15.850	2.751%	3.436%
%RSD		4.331	0.678	1.225	0.469	0.520	0.779	3.369	4.156

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:45	52.650	52.460	24.250	26.780	25.680	70.005%
2	17:08:28	52.380	52.140	24.600	26.300	25.330	74.149%
3	17:09:10	52.350	51.960	24.240	26.810	25.480	76.274%
x		52.460	52.180	24.360	26.630	25.500	73.476%
σ		0.166	0.252	0.203	0.284	0.177	3.188%
%RSD		0.316	0.483	0.834	1.066	0.694	4.339

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:57	76.638%	46.150	1406.000	1398.000	0.000	99540.000	75440.000	75010.000
2	17:16:40	76.934%	48.320	1489.000	1475.000	0.000	103200.000	77840.000	76890.000
3	17:17:23	78.665%	49.200	1558.000	1522.000	0.000	106000.000	80030.000	79240.000
x		77.413%	47.890	1484.000	1465.000	0.000	102900.000	77770.000	77050.000
σ		1.095%	1.569	76.000	62.850	0.000	3260.000	2295.000	2121.000
%RSD		1.414	3.277	5.120	4.289	0.000	3.167	2.951	2.753
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:57	1854.000	15880.000	0.000	55120.000	400600.000	400500.000	66.057%	980.700
2	17:16:40	1935.000	16260.000	0.000	56270.000	412700.000	409400.000	67.290%	998.100
3	17:17:23	2000.000	16860.000	0.000	58330.000	425900.000	424500.000	67.265%	1056.000
x		1930.000	16330.000	0.000	56580.000	413100.000	411500.000	66.871%	1012.000
σ		73.060	496.200	0.000	1627.000	12630.000	12110.000	0.705%	39.350
%RSD		3.785	3.038	0.000	2.875	3.058	2.944	1.054	3.890
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:57	496.000	208.200	608.500	1282.000	2094.000	485.600	484.900	277.000
2	17:16:40	511.600	211.200	625.600	1323.000	2117.000	496.100	492.500	283.200
3	17:17:23	534.500	222.200	659.600	1387.000	2206.000	515.900	522.800	294.600
x		514.000	213.900	631.200	1331.000	2139.000	499.200	500.100	284.900
σ		19.380	7.374	26.060	52.690	59.250	15.360	20.030	8.949
%RSD		3.771	3.448	4.129	3.960	2.770	3.077	4.006	3.141
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:57	279.700	690.300	699.400	38.620	8.885	10.970	0.000	2114.000
2	17:16:40	282.000	717.300	719.400	37.810	9.961	9.834	0.000	2175.000
3	17:17:23	296.600	752.600	756.800	40.700	9.584	10.100	0.000	2291.000
x		286.100	720.100	725.200	39.040	9.477	10.300	0.000	2193.000
σ		9.174	31.250	29.180	1.494	0.546	0.594	0.000	89.950
%RSD		3.207	4.340	4.024	3.826	5.763	5.764	0.000	4.101
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:57	71.229%	1008.000	1023.000	68.950%	50.320	50.310	51.740	45.730
2	17:16:40	72.936%	1050.000	1059.000	70.917%	52.130	51.510	53.730	47.900
3	17:17:23	72.738%	1107.000	1125.000	70.064%	53.880	54.880	56.470	50.320
x		72.301%	1055.000	1069.000	69.977%	52.110	52.240	53.980	47.980
σ		0.934%	50.080	51.680	0.987%	1.776	2.371	2.375	2.297
%RSD		1.291	4.748	4.834	1.410	3.408	4.540	4.400	4.787
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:57	73.222%	1960.000	494.400	491.000	1974.000	1972.000	80.425%	81.157%
2	17:16:40	75.979%	2004.000	504.600	504.900	2042.000	2016.000	83.103%	83.769%
3	17:17:23	75.425%	2125.000	535.200	531.000	2143.000	2144.000	83.124%	83.115%
x		74.875%	2030.000	511.400	509.000	2053.000	2044.000	82.217%	82.681%
σ		1.459%	85.370	21.230	20.300	85.070	89.610	1.552%	1.359%
%RSD		1.948	4.205	4.152	3.988	4.144	4.384	1.888	1.644
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:15:57	49.640	49.310	23.120	25.370	24.130	73.299%		
2	17:16:40	51.430	51.880	23.970	25.980	25.020	75.556%		
3	17:17:23	54.680	55.050	25.190	27.780	26.390	74.738%		
x		51.920	52.080	24.090	26.380	25.180	74.531%		
σ		2.551	2.876	1.040	1.254	1.136	1.143%		
%RSD		4.913	5.522	4.318	4.754	4.513	1.533		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:10	75.615%	48.370	1450.000	1447.000	0.000	102700.000	78340.000	77570.000
2	17:24:53	78.002%	48.220	1492.000	1479.000	0.000	102500.000	78840.000	77630.000
3	17:25:36	80.257%	46.550	1420.000	1430.000	0.000	98700.000	75030.000	73950.000
x		77.958%	47.710	1454.000	1452.000	0.000	101300.000	77400.000	76380.000
σ		2.321%	1.011	35.730	24.780	0.000	2236.000	2072.000	2108.000
%RSD		2.978	2.119	2.457	1.707	0.000	2.208	2.676	2.760

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:10	1967.000	16340.000	0.000	57500.000	400600.000	404500.000	65.226%	993.600
2	17:24:53	1963.000	16190.000	0.000	57660.000	405900.000	401600.000	66.865%	989.700
3	17:25:36	1884.000	15430.000	0.000	55040.000	389100.000	387000.000	69.245%	960.200
x		1938.000	15990.000	0.000	56730.000	398500.000	397700.000	67.112%	981.200
σ		46.640	490.000	0.000	1471.000	8601.000	9364.000	2.021%	18.240
%RSD		2.406	3.065	0.000	2.593	2.158	2.355	3.011	1.859

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:10	521.400	217.200	636.300	1383.000	2200.000	501.200	504.800	283.600
2	17:24:53	526.000	219.500	638.300	1384.000	2201.000	503.700	505.000	288.000
3	17:25:36	500.300	210.200	613.600	1339.000	2085.000	485.900	482.500	273.300
x		515.900	215.700	629.400	1369.000	2162.000	496.900	497.400	281.600
σ		13.680	4.851	13.720	25.820	67.120	9.632	12.950	7.532
%RSD		2.651	2.249	2.179	1.886	3.104	1.938	2.604	2.675

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:10	286.000	722.600	729.000	40.220	10.110	10.910	0.000	2180.000
2	17:24:53	288.300	723.000	735.100	39.760	9.290	10.960	0.000	2149.000
3	17:25:36	280.600	699.900	708.700	38.790	8.630	10.370	0.000	2064.000
x		285.000	715.200	724.200	39.590	9.345	10.750	0.000	2131.000
σ		3.932	13.200	13.820	0.729	0.743	0.326	0.000	59.900
%RSD		1.380	1.846	1.909	1.840	7.950	3.030	0.000	2.810

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:10	70.217%	1041.000	1055.000	67.986%	52.360	52.440	53.970	48.800
2	17:24:53	72.990%	1040.000	1056.000	70.577%	52.850	52.610	53.230	46.950
3	17:25:36	74.814%	1008.000	1023.000	72.378%	51.520	51.210	51.920	46.180
x		72.674%	1030.000	1044.000	70.314%	52.240	52.090	53.040	47.310
σ		2.315%	18.670	18.980	2.208%	0.671	0.764	1.040	1.344
%RSD		3.185	1.813	1.817	3.140	1.284	1.466	1.961	2.840

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:10	72.137%	1999.000	499.500	499.000	2052.000	2032.000	78.740%	79.070%
2	17:24:53	74.963%	2019.000	505.900	501.400	2073.000	2045.000	82.633%	83.123%
3	17:25:36	77.570%	1940.000	488.100	485.200	1992.000	1993.000	85.831%	85.955%
x		74.890%	1986.000	497.900	495.200	2039.000	2023.000	82.401%	82.716%
σ		2.717%	41.190	8.991	8.765	41.740	27.190	3.551%	3.460%
%RSD		3.628	2.074	1.806	1.770	2.047	1.344	4.310	4.183

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:10	53.590	53.620	24.520	26.970	25.700	70.467%
2	17:24:53	53.700	53.350	24.510	26.480	25.640	73.833%
3	17:25:36	51.040	50.750	23.400	25.090	24.480	77.729%
x		52.780	52.570	24.140	26.180	25.270	74.010%
σ		1.504	1.589	0.639	0.975	0.689	3.634%
%RSD		2.849	3.022	2.648	3.722	2.726	4.910

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:24	69.465%	0.724	21.340	20.260	0.000	195.500	2791.000	2795.000
2	17:33:07	70.877%	0.689	16.070	18.700	0.000	198.100	2788.000	2782.000
3	17:33:50	71.548%	0.433	14.020	17.220	0.000	197.800	2786.000	2787.000
x		70.630%	0.615	17.140	18.730	0.000	197.100	2788.000	2788.000
σ		1.063%	0.159	3.775	1.521	0.000	1.397	2.718	6.627
%RSD		1.506	25.790	22.020	8.122	0.000	0.709	0.097	0.238

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:24	14490.000	525.100	0.000	689.300	735.500	697.100	67.127%	119.500
2	17:33:07	14390.000	529.600	0.000	685.400	593.300	667.900	68.255%	124.500
3	17:33:50	14400.000	533.300	0.000	694.800	763.200	684.600	69.099%	121.100
x		14430.000	529.300	0.000	689.800	697.300	683.200	68.160%	121.700
σ		54.480	4.068	0.000	4.706	91.140	14.620	0.989%	2.518
%RSD		0.378	0.768	0.000	0.682	13.070	2.139	1.451	2.069

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:24	28.580	54.650	5175.000	24920.000	24220.000	12.610	54.700	15.080
2	17:33:07	28.460	54.810	5154.000	24840.000	24350.000	12.760	54.410	15.280
3	17:33:50	28.690	55.240	5131.000	24690.000	24260.000	12.810	54.630	14.540
x		28.580	54.900	5153.000	24810.000	24280.000	12.730	54.580	14.960
σ		0.110	0.308	22.330	116.000	66.970	0.107	0.151	0.382
%RSD		0.386	0.561	0.433	0.468	0.276	0.840	0.277	2.552

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:24	15.040	62.570	62.910	20.530	-0.744	0.978	0.000	42.170
2	17:33:07	15.190	64.540	64.550	20.600	-0.456	-1.315	0.000	42.500
3	17:33:50	15.290	63.340	62.100	21.260	-0.150	-0.022	0.000	42.250
x		15.170	63.480	63.190	20.800	-0.450	-0.120	0.000	42.300
σ		0.128	0.990	1.247	0.405	0.297	1.149	0.000	0.172
%RSD		0.847	1.559	1.974	1.948	66.010	957.800	0.000	0.406

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:24	72.789%	7.762	7.829	70.452%	0.113	0.102	0.111	0.123
2	17:33:07	74.757%	7.900	7.995	73.116%	0.131	0.096	0.257	0.179
3	17:33:50	75.323%	7.787	7.709	73.786%	0.105	0.107	0.171	0.135
x		74.290%	7.816	7.844	72.451%	0.116	0.102	0.180	0.146
σ		1.330%	0.074	0.144	1.764%	0.013	0.006	0.074	0.029
%RSD		1.790	0.943	1.836	2.435	11.320	5.687	40.950	20.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:24	71.598%	0.476	0.317	0.210	626.100	627.100	74.051%	74.256%
2	17:33:07	73.716%	0.400	0.276	0.260	636.600	627.100	76.703%	76.495%
3	17:33:50	74.487%	0.395	0.250	0.209	641.600	636.500	77.744%	78.502%
x		73.267%	0.424	0.281	0.227	634.800	630.300	76.166%	76.418%
σ		1.496%	0.045	0.034	0.029	7.910	5.428	1.905%	2.124%
%RSD		2.042	10.710	11.930	12.680	1.246	0.861	2.501	2.779

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:24	0.732	0.677	21.840	21.050	21.280	71.888%
2	17:33:07	0.735	0.682	21.660	21.220	21.350	73.684%
3	17:33:50	0.686	0.702	21.640	21.440	21.400	74.481%
x		0.718	0.687	21.710	21.240	21.340	73.351%
σ		0.028	0.013	0.110	0.196	0.062	1.328%
%RSD		3.841	1.927	0.508	0.922	0.292	1.810

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:38	70.195%	0.733	10.300	11.570	0.000	196.900	7418.000	7415.000
2	17:41:21	71.502%	0.585	11.690	10.850	0.000	206.700	7262.000	7366.000
3	17:42:04	71.992%	0.468	10.730	10.440	0.000	208.400	7284.000	7323.000
x		71.230%	0.595	10.910	10.950	0.000	204.000	7321.000	7368.000
σ		0.929%	0.133	0.709	0.570	0.000	6.240	84.640	45.880
%RSD		1.304	22.370	6.499	5.208	0.000	3.059	1.156	0.623

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:38	12950.000	545.700	0.000	648.800	1627.000	1465.000	70.142%	105.500
2	17:41:21	12670.000	537.100	0.000	646.100	1464.000	1461.000	71.546%	104.700
3	17:42:04	12610.000	537.300	0.000	647.900	1667.000	1477.000	71.080%	100.200
x		12740.000	540.000	0.000	647.600	1586.000	1468.000	70.923%	103.500
σ		177.000	4.943	0.000	1.395	107.600	8.438	0.715%	2.844
%RSD		1.389	0.915	0.000	0.215	6.787	0.575	1.009	2.748

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:38	23.020	63.600	4408.000	24300.000	23450.000	10.290	122.700	10.980
2	17:41:21	22.910	63.010	4331.000	23870.000	23380.000	10.440	122.700	11.030
3	17:42:04	24.160	63.810	4311.000	23780.000	23400.000	10.190	120.600	10.920
x		23.360	63.470	4350.000	23980.000	23410.000	10.310	122.000	10.980
σ		0.692	0.412	50.920	275.300	37.700	0.124	1.173	0.056
%RSD		2.962	0.649	1.171	1.148	0.161	1.205	0.962	0.509

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:38	11.200	47.760	46.990	12.370	-0.314	-0.322	0.000	12.850
2	17:41:21	11.120	48.870	49.410	12.430	-0.411	0.163	0.000	12.800
3	17:42:04	10.870	46.660	47.620	12.040	-1.160	-0.295	0.000	12.640
x		11.070	47.770	48.010	12.280	-0.629	-0.151	0.000	12.760
σ		0.174	1.105	1.255	0.211	0.463	0.272	0.000	0.112
%RSD		1.570	2.313	2.613	1.719	73.630	180.200	0.000	0.877

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:38	75.052%	1.801	1.855	72.854%	0.021	0.035	0.119	0.100
2	17:41:21	77.012%	1.884	1.878	74.403%	0.024	0.028	0.132	0.175
3	17:42:04	79.268%	1.826	1.893	76.168%	0.059	0.023	0.259	0.229
x		77.111%	1.837	1.876	74.475%	0.035	0.029	0.170	0.168
σ		2.110%	0.043	0.019	1.658%	0.021	0.006	0.077	0.065
%RSD		2.736	2.332	1.023	2.226	61.370	21.100	45.400	38.450

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:38	72.224%	0.237	0.058	0.105	87.280	84.800	75.205%	75.860%
2	17:41:21	74.796%	0.302	0.096	0.105	83.750	83.050	78.767%	78.672%
3	17:42:04	75.067%	0.246	0.132	0.083	82.060	82.210	79.257%	79.264%
x		74.029%	0.261	0.095	0.098	84.360	83.350	77.743%	77.932%
σ		1.569%	0.035	0.037	0.013	2.663	1.318	2.212%	1.819%
%RSD		2.119	13.460	39.120	13.020	3.157	1.581	2.845	2.334

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:38	0.204	0.186	15.530	14.760	15.100	73.463%
2	17:41:21	0.212	0.182	15.150	14.740	15.070	75.060%
3	17:42:04	0.170	0.189	15.280	14.370	14.940	76.145%
x		0.195	0.186	15.320	14.630	15.030	74.889%
σ		0.022	0.004	0.193	0.222	0.086	1.349%
%RSD		11.480	1.980	1.258	1.520	0.572	1.802

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:53	69.410%	0.584	10.720	9.282	0.000	267.600	3033.000	3024.000
2	17:49:36	73.649%	0.736	8.174	8.398	0.000	261.800	2887.000	2887.000
3	17:50:19	71.374%	0.663	8.925	8.731	0.000	267.900	2966.000	2987.000
x		71.478%	0.661	9.274	8.804	0.000	265.800	2962.000	2966.000
σ		2.121%	0.076	1.310	0.446	0.000	3.427	73.390	71.290
%RSD		2.967	11.490	14.130	5.068	0.000	1.290	2.478	2.404

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:53	14750.000	917.700	0.000	992.600	4540.000	4397.000	70.077%	139.200
2	17:49:36	14190.000	850.700	0.000	961.800	4633.000	4369.000	71.092%	139.200
3	17:50:19	14480.000	880.700	0.000	980.900	4499.000	4389.000	71.303%	140.300
x		14470.000	883.000	0.000	978.400	4557.000	4385.000	70.824%	139.600
σ		280.000	33.570	0.000	15.550	68.650	14.490	0.655%	0.640
%RSD		1.934	3.802	0.000	1.589	1.506	0.331	0.925	0.458

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:53	29.440	34.240	14710.000	23910.000	23270.000	9.344	38.300	15.210
2	17:49:36	27.720	34.140	14430.000	23460.000	23050.000	9.227	36.390	15.060
3	17:50:19	28.050	34.270	14550.000	23780.000	23300.000	9.375	39.200	15.230
x		28.400	34.210	14560.000	23720.000	23210.000	9.315	37.960	15.170
σ		0.914	0.065	143.700	233.300	135.600	0.078	1.432	0.092
%RSD		3.220	0.191	0.987	0.984	0.584	0.837	3.773	0.604

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:53	15.260	118.000	118.400	13.530	-0.709	-0.394	0.000	54.790
2	17:49:36	15.580	117.700	117.500	12.660	-0.650	-0.648	0.000	54.230
3	17:50:19	16.290	117.600	118.900	13.390	-0.312	-0.795	0.000	54.340
x		15.710	117.800	118.300	13.190	-0.557	-0.613	0.000	54.450
σ		0.525	0.228	0.728	0.465	0.214	0.203	0.000	0.295
%RSD		3.340	0.193	0.616	3.522	38.470	33.120	0.000	0.542

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:53	75.832%	1.320	1.498	73.223%	0.273	0.330	0.445	0.332
2	17:49:36	77.237%	1.539	1.386	74.287%	0.258	0.313	0.318	0.283
3	17:50:19	77.813%	1.474	1.433	74.803%	0.288	0.282	0.353	0.401
x		76.961%	1.444	1.439	74.104%	0.273	0.309	0.372	0.339
σ		1.019%	0.112	0.056	0.806%	0.015	0.024	0.066	0.059
%RSD		1.324	7.780	3.891	1.088	5.503	7.911	17.650	17.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:53	73.543%	0.317	0.099	0.055	345.000	338.600	75.873%	76.473%
2	17:49:36	75.672%	0.287	0.063	0.064	337.200	337.600	78.207%	78.443%
3	17:50:19	75.550%	0.251	0.082	0.067	345.200	341.100	78.639%	78.936%
x		74.922%	0.285	0.081	0.062	342.400	339.100	77.573%	77.950%
σ		1.195%	0.033	0.018	0.006	4.565	1.766	1.488%	1.303%
%RSD		1.596	11.500	22.050	10.510	1.333	0.521	1.918	1.672

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:53	0.575	0.602	30.240	30.290	30.280	73.789%
2	17:49:36	0.653	0.622	30.230	29.990	29.990	75.513%
3	17:50:19	0.613	0.578	30.540	30.910	30.750	75.440%
x		0.614	0.601	30.340	30.400	30.340	74.914%
σ		0.039	0.022	0.175	0.469	0.384	0.975%
%RSD		6.367	3.698	0.577	1.542	1.265	1.301

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:07	70.045%	103.000	100.000	102.700	0.000	50440.000	50870.000	51330.000
2	17:57:50	69.132%	104.400	115.100	107.300	0.000	51470.000	51630.000	51480.000
3	17:58:32	70.368%	103.500	107.000	103.400	0.000	51540.000	51910.000	51950.000
x		69.848%	103.636%	107.382%	104.488%	0.000	102.308%	102.944%	103.169%
σ		0.641%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.918	0.676	7.034	2.361	0.000	1.205	1.043	0.625
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:07	514.200	4878.000	0.000	51250.000	50220.000	49150.000	68.948%	101.200
2	17:57:50	519.900	4912.000	0.000	51550.000	51800.000	49870.000	68.836%	100.100
3	17:58:32	524.400	4944.000	0.000	51300.000	51750.000	50370.000	69.816%	98.420
x		103.901%	98.224%	0.000	102.733%	102.510%	99.597%	69.200%	99.910%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.537%	n/a
%RSD		0.989	0.674	0.000	0.312	1.757	1.233	0.776	1.419
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:07	102.700	102.600	509.100	25950.000	25540.000	103.900	104.400	104.100
2	17:57:50	102.300	103.300	516.400	25960.000	25830.000	104.000	102.100	104.000
3	17:58:32	103.400	103.600	519.800	26230.000	26000.000	103.300	103.600	103.500
x		102.805%	103.151%	103.013%	104.199%	103.153%	103.746%	103.360%	103.865%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.535	0.462	1.062	0.613	0.887	0.375	1.104	0.303
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:07	105.100	101.900	99.670	99.670	95.270	99.370	0.000	101.000
2	17:57:50	104.800	102.600	101.300	98.590	99.700	102.300	0.000	102.600
3	17:58:32	105.200	104.600	102.700	101.800	102.400	105.100	0.000	104.000
x		105.039%	103.050%	101.197%	100.027%	99.134%	102.251%	0.000	102.531%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.175	1.336	1.478	1.640	3.645	2.798	0.000	1.510
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:07	70.117%	99.880	98.990	70.052%	101.900	102.400	101.300	99.330
2	17:57:50	71.363%	103.200	102.000	72.077%	102.100	101.000	103.100	102.700
3	17:58:32	71.710%	105.600	104.300	72.603%	104.000	102.800	103.300	103.300
x		71.063%	102.904%	101.753%	71.577%	102.676%	102.073%	102.568%	101.764%
σ		0.838%	n/a	n/a	1.347%	n/a	n/a	n/a	n/a
%RSD		1.179	2.790	2.607	1.882	1.140	0.908	1.081	2.091
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:07	71.430%	98.920	99.820	100.100	102.800	101.400	73.796%	75.191%
2	17:57:50	73.069%	99.460	99.880	100.400	102.400	102.200	77.215%	77.599%
3	17:58:32	73.935%	101.600	101.800	101.700	102.300	102.900	77.673%	78.496%
x		72.811%	99.987%	100.498%	100.705%	102.513%	102.165%	76.228%	77.095%
σ		1.272%	n/a	n/a	n/a	n/a	n/a	2.118%	1.709%
%RSD		1.747	1.407	1.114	0.858	0.266	0.724	2.779	2.217
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:57:07	101.800	102.200	102.800	102.500	103.000	69.970%		
2	17:57:50	102.300	102.500	101.900	102.800	102.700	72.241%		
3	17:58:32	104.700	104.600	105.100	104.700	105.200	72.082%		
x		102.949%	103.102%	103.224%	103.353%	103.614%	71.431%		
σ		n/a	n/a	n/a	n/a	n/a	1.268%		
%RSD		1.521	1.267	1.597	1.154	1.323	1.775		

CCB3 4/12/2013 6:04:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:05:23	111.565%	0.030	2.069	2.153	0.000	66.620	-0.310	-0.174
2	18:06:06	114.407%	-0.009	2.521	1.918	0.000	67.870	-0.376	-0.408
3	18:06:49	111.822%	-0.033	2.529	1.990	0.000	76.110	-0.602	-0.074
x		112.598%	-0.004	2.373	2.020	0.000	70.200	-0.429	-0.219
σ		1.572%	0.032	0.264	0.121	0.000	5.155	0.153	0.172
%RSD		1.396	809.400	11.120	5.971	0.000	7.344	35.690	78.460
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:05:23	-0.687	-254.300	0.000	-93.200	-6.517	-41.170	83.643%	-0.012
2	18:06:06	-0.635	-256.000	0.000	-97.630	-3.447	-45.130	83.687%	0.019
3	18:06:49	-0.443	-246.800	0.000	-96.310	-3.350	-42.920	82.417%	0.083
x		-0.588	-252.400	0.000	-95.710	-4.438	-43.070	83.249%	0.030
σ		0.129	4.881	0.000	2.271	1.801	1.982	0.721%	0.048
%RSD		21.930	1.934	0.000	2.372	40.580	4.600	0.866	161.700
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:05:23	0.368	0.159	0.120	-7.628	-5.799	-0.022	-0.015	-0.057
2	18:06:06	0.532	0.155	0.124	-8.929	-5.568	-0.024	0.061	0.025
3	18:06:49	0.348	0.106	0.142	-9.286	-2.798	-0.018	0.084	0.009
x		0.416	0.140	0.129	-8.614	-4.722	-0.021	0.043	-0.007
σ		0.101	0.030	0.012	0.873	1.670	0.003	0.052	0.043
%RSD		24.200	21.250	9.281	10.130	35.370	14.910	120.500	589.500
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:05:23	-0.065	-1.076	-1.021	-0.703	-1.670	-2.149	0.000	-0.016
2	18:06:06	-0.025	-1.019	-0.909	-0.290	-1.491	-1.824	0.000	-0.015
3	18:06:49	0.028	-0.981	-0.886	-0.452	-0.865	-1.619	0.000	-0.004
x		-0.021	-1.026	-0.939	-0.482	-1.342	-1.864	0.000	-0.011
σ		0.046	0.048	0.072	0.208	0.423	0.267	0.000	0.007
%RSD		223.500	4.681	7.677	43.150	31.510	14.330	0.000	57.470
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:05:23	80.993%	0.225	0.249	88.740%	-0.005	-0.004	-0.037	-0.024
2	18:06:06	82.189%	0.219	0.162	90.433%	-0.014	-0.002	-0.082	-0.060
3	18:06:49	81.443%	0.138	0.215	89.240%	-0.014	0.004	-0.077	-0.041
x		81.542%	0.194	0.208	89.471%	-0.011	-0.001	-0.065	-0.042
σ		0.604%	0.048	0.044	0.870%	0.005	0.004	0.025	0.018
%RSD		0.741	24.980	21.180	0.972	44.440	676.000	38.070	43.790
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:05:23	82.959%	0.085	-0.016	-0.002	0.009	-0.014	84.970%	84.601%
2	18:06:06	84.950%	0.094	-0.005	-0.017	-0.015	-0.008	85.991%	86.656%
3	18:06:49	85.957%	0.060	-0.010	-0.023	-0.015	-0.008	86.030%	85.828%
x		84.622%	0.080	-0.010	-0.014	-0.007	-0.010	85.664%	85.695%
σ		1.526%	0.018	0.005	0.011	0.014	0.004	0.601%	1.034%
%RSD		1.803	22.040	49.790	75.320	197.700	38.110	0.702	1.207
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:05:23	0.012	-0.002	0.170	0.145	0.146	82.567%		
2	18:06:06	-0.008	-0.002	0.114	0.127	0.104	82.963%		
3	18:06:49	-0.008	-0.000	0.103	0.119	0.101	82.559%		
x		-0.001	-0.001	0.129	0.130	0.117	82.696%		
σ		0.012	0.001	0.036	0.013	0.025	0.231%		
%RSD		903.500	83.920	28.090	10.150	21.570	0.279		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:40	74.676%	0.119	3.448	3.608	0.000	182.200	597.400	605.100
2	18:14:23	73.073%	0.029	3.530	3.190	0.000	191.700	607.300	603.500
3	18:15:06	75.628%	0.099	3.398	3.520	0.000	192.700	573.700	598.400
x		74.459%	0.082	3.459	3.439	0.000	188.800	592.800	602.300
σ		1.291%	0.047	0.067	0.220	0.000	5.808	17.260	3.515
%RSD		1.734	57.320	1.932	6.405	0.000	3.076	2.912	0.584
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:40	2822.000	143.100	0.000	138.900	870.200	844.000	75.368%	28.920
2	18:14:23	2820.000	156.300	0.000	137.800	951.200	850.800	75.641%	27.390
3	18:15:06	2785.000	137.100	0.000	133.100	960.600	849.500	75.576%	28.130
x		2809.000	145.500	0.000	136.600	927.300	848.100	75.528%	28.150
σ		20.870	9.803	0.000	3.114	49.670	3.615	0.143%	0.762
%RSD		0.743	6.739	0.000	2.279	5.356	0.426	0.189	2.708
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:40	5.652	6.884	2959.000	4818.000	4682.000	1.977	8.043	3.199
2	18:14:23	5.705	7.120	2965.000	4837.000	4683.000	1.747	7.653	3.439
3	18:15:06	5.960	6.925	2910.000	4756.000	4670.000	1.850	7.986	3.566
x		5.772	6.976	2945.000	4804.000	4679.000	1.858	7.894	3.401
σ		0.165	0.126	29.930	41.980	7.104	0.115	0.211	0.187
%RSD		2.853	1.808	1.016	0.874	0.152	6.206	2.674	5.492
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:40	3.768	22.680	24.080	2.864	-0.619	0.508	0.000	11.290
2	18:14:23	3.323	23.830	24.620	2.726	-0.324	-0.308	0.000	11.200
3	18:15:06	3.142	23.820	23.710	2.904	-0.469	-0.431	0.000	11.060
x		3.411	23.440	24.140	2.831	-0.471	-0.077	0.000	11.180
σ		0.322	0.656	0.458	0.093	0.147	0.510	0.000	0.120
%RSD		9.445	2.798	1.897	3.288	31.290	664.700	0.000	1.071
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:40	76.129%	0.506	0.436	76.695%	0.080	0.037	0.155	0.127
2	18:14:23	77.650%	0.455	0.407	77.899%	0.050	0.058	0.107	0.072
3	18:15:06	77.853%	0.478	0.507	78.705%	0.058	0.073	0.051	0.043
x		77.211%	0.480	0.450	77.766%	0.063	0.056	0.104	0.081
σ		0.942%	0.025	0.051	1.012%	0.015	0.018	0.052	0.042
%RSD		1.220	5.252	11.390	1.301	24.550	32.070	50.050	52.600
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:40	75.507%	0.100	-0.018	0.018	70.660	70.130	76.434%	77.344%
2	18:14:23	77.470%	0.088	0.008	0.001	68.900	68.390	79.062%	79.390%
3	18:15:06	79.254%	0.087	0.007	0.006	66.670	67.630	80.689%	80.404%
x		77.410%	0.091	-0.001	0.008	68.740	68.710	78.728%	79.046%
σ		1.874%	0.007	0.014	0.009	2.000	1.284	2.147%	1.559%
%RSD		2.421	7.861	1535.000	104.400	2.909	1.868	2.727	1.972
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:13:40	0.114	0.116	6.073	6.192	6.128	74.804%		
2	18:14:23	0.087	0.107	6.170	6.064	6.189	76.219%		
3	18:15:06	0.121	0.107	6.064	6.110	6.145	76.613%		
x		0.107	0.110	6.102	6.122	6.154	75.878%		
σ		0.018	0.005	0.059	0.065	0.032	0.951%		
%RSD		16.680	4.656	0.962	1.056	0.517	1.254		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:55	67.838%	6.118	98.940	101.000	0.000	5393.000	8226.000	8322.000
2	18:22:38	70.358%	5.327	102.400	101.000	0.000	5293.000	8184.000	8164.000
3	18:23:21	70.088%	5.269	102.700	103.300	0.000	5339.000	8189.000	8297.000
x		69.428%	5.571	101.400	101.800	0.000	5342.000	8200.000	8261.000
σ		1.384%	0.474	2.097	1.332	0.000	49.970	22.800	84.740
%RSD		1.993	8.514	2.069	1.309	0.000	0.936	0.278	1.026
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:55	21200.000	1558.000	0.000	7056.000	10220.000	10100.000	70.897%	291.200
2	18:22:38	20550.000	1501.000	0.000	7022.000	10360.000	9945.000	71.622%	293.700
3	18:23:21	20780.000	1500.000	0.000	7025.000	10070.000	10010.000	71.528%	293.800
x		20840.000	1520.000	0.000	7034.000	10220.000	10020.000	71.349%	292.900
σ		328.700	33.050	0.000	18.800	147.800	77.810	0.394%	1.493
%RSD		1.577	2.175	0.000	0.267	1.446	0.777	0.552	0.510
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:55	85.800	59.740	20270.000	23830.000	23280.000	58.260	88.200	42.770
2	18:22:38	86.180	60.110	20250.000	23770.000	23400.000	57.990	88.150	42.090
3	18:23:21	86.780	60.680	20250.000	23890.000	23500.000	58.480	87.350	41.760
x		86.250	60.180	20260.000	23830.000	23390.000	58.240	87.900	42.210
σ		0.493	0.471	9.579	56.270	109.100	0.248	0.478	0.514
%RSD		0.572	0.782	0.047	0.236	0.466	0.426	0.543	1.217
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:55	43.050	177.200	182.200	18.650	0.408	0.745	0.000	176.200
2	18:22:38	42.560	181.400	180.300	18.740	0.215	0.370	0.000	177.400
3	18:23:21	42.890	182.200	178.700	19.350	0.568	1.902	0.000	178.200
x		42.840	180.200	180.400	18.910	0.397	1.005	0.000	177.300
σ		0.252	2.682	1.754	0.382	0.177	0.798	0.000	1.010
%RSD		0.588	1.488	0.973	2.022	44.590	79.420	0.000	0.570
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:55	76.350%	88.010	86.540	71.926%	5.435	5.273	5.634	5.503
2	18:22:38	77.170%	87.390	89.160	73.268%	5.421	5.228	5.161	4.878
3	18:23:21	77.524%	90.440	90.350	73.611%	5.472	5.275	5.845	5.187
x		77.015%	88.610	88.680	72.935%	5.443	5.259	5.547	5.189
σ		0.602%	1.616	1.951	0.890%	0.027	0.026	0.350	0.312
%RSD		0.782	1.823	2.200	1.221	0.487	0.500	6.314	6.019
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:55	73.113%	68.920	13.930	13.880	677.000	666.500	75.263%	76.094%
2	18:22:38	74.285%	70.260	14.070	13.770	677.800	664.000	77.459%	78.079%
3	18:23:21	75.279%	69.030	14.240	14.050	666.400	668.300	79.131%	78.814%
x		74.226%	69.400	14.080	13.900	673.700	666.300	77.285%	77.662%
σ		1.084%	0.743	0.154	0.138	6.367	2.200	1.940%	1.407%
%RSD		1.461	1.070	1.095	0.994	0.945	0.330	2.510	1.811
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:21:55	5.193	5.298	29.040	29.580	29.430	73.074%		
2	18:22:38	5.348	5.319	29.580	30.380	29.900	73.525%		
3	18:23:21	5.411	5.354	29.760	30.570	29.940	74.277%		
x		5.317	5.324	29.460	30.180	29.760	73.625%		
σ		0.112	0.028	0.380	0.525	0.286	0.608%		
%RSD		2.111	0.527	1.288	1.738	0.963	0.826		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:11	68.924%	6.244	98.820	102.100	0.000	5365.000	8245.000	8345.000
2	18:30:54	69.199%	6.178	100.900	104.700	0.000	5363.000	8348.000	8399.000
3	18:31:37	70.796%	6.099	100.800	104.800	0.000	5328.000	8312.000	8348.000
x		69.640%	6.174	100.200	103.900	0.000	5352.000	8302.000	8364.000
σ		1.011%	0.073	1.195	1.517	0.000	20.990	52.390	30.380
%RSD		1.452	1.176	1.193	1.460	0.000	0.392	0.631	0.363
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:11	21420.000	1507.000	0.000	6822.000	10430.000	10090.000	71.163%	295.600
2	18:30:54	21470.000	1494.000	0.000	6835.000	10310.000	10170.000	71.719%	287.900
3	18:31:37	21310.000	1487.000	0.000	6796.000	10680.000	10030.000	72.758%	292.900
x		21400.000	1496.000	0.000	6818.000	10470.000	10100.000	71.880%	292.200
σ		81.980	10.280	0.000	19.600	189.700	74.110	0.809%	3.896
%RSD		0.383	0.687	0.000	0.287	1.811	0.734	1.126	1.334
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:11	87.150	59.480	19770.000	25030.000	24560.000	59.280	90.830	40.680
2	18:30:54	87.340	59.440	19650.000	25010.000	24720.000	59.880	90.170	40.320
3	18:31:37	87.460	59.910	19520.000	24880.000	24530.000	59.000	89.570	40.990
x		87.320	59.610	19640.000	24970.000	24600.000	59.390	90.190	40.660
σ		0.154	0.260	125.100	78.030	102.300	0.448	0.631	0.337
%RSD		0.176	0.437	0.637	0.312	0.416	0.754	0.699	0.829
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:11	40.470	180.800	178.900	18.420	0.747	0.708	0.000	152.100
2	18:30:54	40.680	182.800	183.800	17.700	0.556	0.444	0.000	154.400
3	18:31:37	41.420	182.200	183.200	17.720	0.435	0.473	0.000	155.200
x		40.860	181.900	182.000	17.950	0.580	0.542	0.000	153.900
σ		0.499	1.061	2.663	0.409	0.157	0.145	0.000	1.591
%RSD		1.222	0.583	1.463	2.281	27.070	26.690	0.000	1.034
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:11	77.892%	86.210	86.620	72.714%	5.346	5.419	5.599	4.791
2	18:30:54	79.386%	89.190	88.580	74.334%	5.424	5.491	5.978	5.347
3	18:31:37	79.399%	90.290	90.870	75.027%	5.505	5.321	5.682	5.329
x		78.892%	88.560	88.690	74.025%	5.425	5.410	5.753	5.155
σ		0.866%	2.110	2.130	1.187%	0.079	0.085	0.200	0.316
%RSD		1.098	2.383	2.401	1.604	1.464	1.579	3.468	6.128
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:11	74.161%	65.800	13.090	12.750	1024.000	1017.000	77.270%	78.412%
2	18:30:54	75.581%	67.640	12.990	13.400	1039.000	1027.000	79.702%	79.763%
3	18:31:37	77.521%	66.880	12.750	12.840	1014.000	1012.000	81.011%	81.205%
x		75.755%	66.770	12.940	13.000	1025.000	1018.000	79.328%	79.793%
σ		1.687%	0.922	0.175	0.352	12.300	7.681	1.899%	1.397%
%RSD		2.227	1.381	1.350	2.707	1.200	0.754	2.393	1.750
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:30:11	5.349	5.329	25.530	25.510	25.480	74.515%		
2	18:30:54	5.423	5.428	25.920	25.660	25.950	75.025%		
3	18:31:37	5.340	5.422	26.170	26.470	26.110	75.437%		
x		5.371	5.393	25.880	25.880	25.850	74.992%		
σ		0.046	0.055	0.322	0.517	0.325	0.462%		
%RSD		0.849	1.027	1.243	1.999	1.258	0.616		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:26	70.552%	6.283	115.400	111.100	0.000	5789.000	8253.000	8253.000
2	18:39:09	69.145%	6.344	119.100	116.700	0.000	5959.000	8442.000	8519.000
3	18:39:52	70.067%	6.531	114.100	115.100	0.000	5885.000	8381.000	8379.000
x		69.921%	6.386	116.200	114.300	0.000	5878.000	8359.000	8384.000
σ		0.715%	0.129	2.615	2.878	0.000	85.680	96.100	133.100
%RSD		1.023	2.022	2.250	2.518	0.000	1.458	1.150	1.587

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:26	14560.000	1942.000	0.000	6544.000	9755.000	9573.000	71.333%	243.600
2	18:39:09	14720.000	1979.000	0.000	6670.000	9926.000	9756.000	71.143%	246.200
3	18:39:52	14670.000	1978.000	0.000	6612.000	10200.000	9744.000	72.324%	244.800
x		14650.000	1966.000	0.000	6609.000	9961.000	9691.000	71.600%	244.900
σ		81.210	20.840	0.000	63.220	226.000	102.300	0.635%	1.327
%RSD		0.554	1.060	0.000	0.957	2.269	1.056	0.886	0.542

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:26	83.060	55.540	14390.000	23370.000	22720.000	64.400	92.490	42.400
2	18:39:09	82.670	55.830	14480.000	23640.000	23110.000	65.290	92.870	41.860
3	18:39:52	82.580	55.580	14390.000	23420.000	23030.000	65.120	93.030	41.760
x		82.770	55.650	14420.000	23470.000	22950.000	64.940	92.800	42.010
σ		0.254	0.155	51.710	142.100	207.100	0.473	0.275	0.344
%RSD		0.306	0.279	0.358	0.605	0.902	0.728	0.296	0.818

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:26	43.110	170.400	170.300	16.850	1.026	0.995	0.000	158.800
2	18:39:09	42.510	172.000	170.200	16.980	0.766	1.212	0.000	157.500
3	18:39:52	42.690	171.400	171.600	17.590	0.263	1.213	0.000	156.800
x		42.770	171.300	170.700	17.140	0.685	1.140	0.000	157.700
σ		0.308	0.781	0.800	0.394	0.388	0.126	0.000	1.012
%RSD		0.721	0.456	0.469	2.300	56.650	11.010	0.000	0.642

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:26	75.932%	105.200	105.300	72.982%	6.155	6.061	6.261	5.299
2	18:39:09	77.819%	107.500	107.400	74.146%	5.829	6.135	5.706	5.410
3	18:39:52	79.065%	109.000	107.200	75.117%	5.879	6.121	6.157	5.091
x		77.605%	107.200	106.600	74.081%	5.954	6.105	6.042	5.266
σ		1.578%	1.915	1.147	1.069%	0.176	0.039	0.295	0.162
%RSD		2.033	1.786	1.076	1.443	2.948	0.642	4.884	3.077

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:26	74.403%	209.500	47.330	48.280	556.400	548.200	77.102%	77.874%
2	18:39:09	76.235%	212.300	49.840	50.010	569.700	563.700	78.960%	80.229%
3	18:39:52	77.946%	212.400	49.870	49.450	558.300	558.600	81.013%	80.870%
x		76.195%	211.400	49.010	49.250	561.500	556.800	79.025%	79.657%
σ		1.772%	1.662	1.457	0.883	7.163	7.912	1.957%	1.577%
%RSD		2.325	0.786	2.973	1.793	1.276	1.421	2.476	1.980

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:26	6.016	5.949	32.230	31.810	31.930	73.437%
2	18:39:09	6.081	6.199	32.100	32.250	32.400	74.878%
3	18:39:52	6.270	6.176	32.230	32.510	32.240	75.906%
x		6.122	6.108	32.190	32.190	32.190	74.740%
σ		0.132	0.138	0.073	0.358	0.238	1.240%
%RSD		2.161	2.258	0.226	1.111	0.740	1.659

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:39	73.750%	0.084	2.937	3.023	0.000	192.400	201.100	203.200
2	18:47:22	74.421%	0.102	2.712	2.931	0.000	196.000	204.500	208.100
3	18:48:05	74.772%	0.156	3.835	3.147	0.000	196.800	203.400	200.200
x		74.315%	0.114	3.161	3.034	0.000	195.100	203.000	203.800
σ		0.519%	0.037	0.594	0.108	0.000	2.327	1.743	4.004
%RSD		0.699	32.680	18.800	3.562	0.000	1.193	0.859	1.964
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:39	1300.000	-46.660	0.000	17.740	156.800	132.300	72.042%	10.690
2	18:47:22	1309.000	-41.610	0.000	20.370	162.900	127.900	72.512%	10.820
3	18:48:05	1304.000	-46.400	0.000	13.780	164.500	129.000	73.355%	9.928
x		1304.000	-44.890	0.000	17.300	161.400	129.700	72.636%	10.480
σ		4.260	2.844	0.000	3.313	4.068	2.325	0.665%	0.483
%RSD		0.327	6.337	0.000	19.160	2.520	1.792	0.916	4.608
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:39	3.696	1.713	2840.000	2738.000	2601.000	1.264	4.042	1.791
2	18:47:22	3.319	1.802	2852.000	2725.000	2588.000	1.195	3.818	2.080
3	18:48:05	3.606	1.762	2835.000	2705.000	2606.000	1.218	3.776	1.878
x		3.540	1.759	2842.000	2723.000	2598.000	1.226	3.878	1.916
σ		0.197	0.045	8.405	16.820	9.681	0.035	0.143	0.148
%RSD		5.563	2.550	0.296	0.618	0.373	2.883	3.691	7.747
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:39	2.122	17.380	17.660	1.851	-0.677	0.307	0.000	4.131
2	18:47:22	2.061	18.060	17.830	1.389	-0.687	-0.851	0.000	3.962
3	18:48:05	2.047	17.910	18.960	1.751	-0.454	-0.089	0.000	4.092
x		2.077	17.780	18.150	1.664	-0.606	-0.211	0.000	4.062
σ		0.040	0.355	0.704	0.243	0.132	0.588	0.000	0.089
%RSD		1.906	1.999	3.881	14.620	21.740	278.600	0.000	2.184
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:39	76.595%	0.551	0.516	78.244%	0.036	0.021	0.021	0.054
2	18:47:22	78.478%	0.406	0.466	80.335%	0.056	0.027	-0.042	-0.004
3	18:48:05	79.145%	0.492	0.415	80.885%	0.031	0.015	0.046	0.094
x		78.073%	0.483	0.466	79.821%	0.041	0.021	0.008	0.048
σ		1.322%	0.073	0.050	1.393%	0.013	0.006	0.045	0.049
%RSD		1.694	15.120	10.820	1.746	32.150	27.540	546.000	102.500
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:39	77.940%	0.652	0.410	0.353	118.000	115.400	78.511%	79.324%
2	18:47:22	81.388%	0.493	0.268	0.302	118.800	114.700	80.885%	81.196%
3	18:48:05	81.483%	0.438	0.285	0.295	115.900	118.200	81.759%	82.645%
x		80.270%	0.528	0.321	0.317	117.600	116.100	80.385%	81.055%
σ		2.019%	0.111	0.077	0.031	1.515	1.860	1.681%	1.665%
%RSD		2.515	21.030	24.060	9.932	1.289	1.602	2.091	2.054
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:46:39	0.032	0.029	5.534	5.507	5.524	64.562%		
2	18:47:22	0.044	0.029	5.685	5.678	5.512	65.937%		
3	18:48:05	0.038	0.026	5.508	5.787	5.531	67.521%		
x		0.038	0.028	5.576	5.657	5.522	66.007%		
σ		0.006	0.002	0.096	0.141	0.010	1.481%		
%RSD		15.710	6.995	1.715	2.489	0.175	2.243		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:52	73.395%	0.085	1.590	2.929	0.000	205.600	531.100	530.900
2	18:55:35	75.063%	0.209	3.048	2.845	0.000	198.900	536.100	532.700
3	18:56:18	75.629%	0.027	2.649	2.164	0.000	194.800	532.000	535.300
x		74.696%	0.107	2.429	2.646	0.000	199.800	533.100	533.000
σ		1.162%	0.093	0.754	0.419	0.000	5.442	2.678	2.228
%RSD		1.555	87.150	31.020	15.850	0.000	2.724	0.502	0.418
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:52	1258.000	-25.230	0.000	79.340	699.800	679.900	73.574%	13.370
2	18:55:35	1242.000	-38.630	0.000	72.650	698.700	674.300	75.550%	14.350
3	18:56:18	1258.000	-41.140	0.000	77.420	768.900	649.500	75.054%	14.100
x		1252.000	-35.000	0.000	76.470	722.400	667.900	74.726%	13.940
σ		9.491	8.555	0.000	3.448	40.200	16.180	1.028%	0.511
%RSD		0.758	24.440	0.000	4.508	5.565	2.422	1.375	3.666
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:52	3.090	4.511	5299.000	2402.000	2306.000	1.397	5.622	2.548
2	18:55:35	3.169	4.518	5247.000	2366.000	2298.000	1.347	5.781	2.546
3	18:56:18	3.167	4.443	5318.000	2279.000	2324.000	1.418	5.608	2.596
x		3.142	4.491	5288.000	2349.000	2309.000	1.388	5.671	2.563
σ		0.045	0.041	36.320	63.420	13.640	0.037	0.096	0.028
%RSD		1.437	0.923	0.687	2.700	0.591	2.642	1.696	1.103
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:52	2.760	77.430	80.010	5.596	-0.885	0.795	0.000	10.850
2	18:55:35	2.502	81.220	80.060	5.139	-0.597	0.490	0.000	10.700
3	18:56:18	2.860	79.510	83.000	5.691	0.054	-0.248	0.000	10.840
x		2.707	79.390	81.020	5.475	-0.476	0.346	0.000	10.800
σ		0.185	1.897	1.709	0.295	0.481	0.536	0.000	0.086
%RSD		6.825	2.390	2.109	5.389	101.000	155.200	0.000	0.801
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:52	78.774%	0.245	0.323	79.801%	0.505	0.470	0.197	0.203
2	18:55:35	80.036%	0.244	0.360	81.863%	0.579	0.527	0.121	0.183
3	18:56:18	80.925%	0.360	0.386	82.622%	0.584	0.541	0.132	0.154
x		79.912%	0.283	0.356	81.429%	0.556	0.513	0.150	0.180
σ		1.081%	0.066	0.032	1.459%	0.045	0.037	0.041	0.025
%RSD		1.352	23.490	8.922	1.792	8.005	7.294	27.490	13.700
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:52	79.302%	0.153	0.138	0.113	125.000	125.700	79.261%	80.951%
2	18:55:35	81.386%	0.160	0.090	0.105	129.400	128.200	81.912%	83.364%
3	18:56:18	82.460%	0.117	0.066	0.061	127.400	127.200	81.968%	83.661%
x		81.049%	0.143	0.098	0.093	127.200	127.000	81.047%	82.659%
σ		1.606%	0.023	0.037	0.028	2.190	1.244	1.547%	1.486%
%RSD		1.981	16.120	37.560	30.090	1.721	0.980	1.909	1.798
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:54:52	0.141	0.142	22.990	23.610	23.500	70.378%		
2	18:55:35	0.125	0.144	23.890	24.500	23.970	72.812%		
3	18:56:18	0.130	0.127	23.520	24.250	23.720	73.982%		
x		0.132	0.138	23.470	24.120	23.730	72.391%		
σ		0.008	0.009	0.454	0.463	0.234	1.839%		
%RSD		6.085	6.695	1.935	1.921	0.987	2.540		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:05	71.811%	0.811	8.366	7.646	0.000	283.800	4232.000	4300.000
2	19:03:48	73.478%	1.108	8.452	7.839	0.000	287.500	4349.000	4318.000
3	19:04:31	74.679%	0.668	7.640	7.370	0.000	283.700	4178.000	4160.000
x		73.323%	0.862	8.153	7.618	0.000	285.000	4253.000	4259.000
σ		1.440%	0.224	0.446	0.236	0.000	2.177	87.510	86.490
%RSD		1.965	26.000	5.474	3.093	0.000	0.764	2.058	2.031
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:05	14600.000	664.400	0.000	754.500	15900.000	15120.000	72.110%	144.700
2	19:03:48	14450.000	648.300	0.000	762.700	15410.000	15190.000	73.464%	142.100
3	19:04:31	14110.000	627.200	0.000	738.300	15280.000	14770.000	74.411%	142.300
x		14380.000	646.600	0.000	751.800	15530.000	15030.000	73.328%	143.000
σ		251.300	18.680	0.000	12.450	329.100	227.900	1.156%	1.436
%RSD		1.747	2.888	0.000	1.656	2.119	1.517	1.577	1.004
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:05	24.190	81.120	3864.000	21610.000	20770.000	10.780	57.630	14.130
2	19:03:48	23.580	80.390	3880.000	21520.000	20870.000	10.550	57.890	14.550
3	19:04:31	23.810	79.310	3781.000	20950.000	20490.000	10.610	57.210	13.660
x		23.860	80.280	3842.000	21360.000	20710.000	10.640	57.580	14.110
σ		0.310	0.914	53.140	357.300	197.500	0.120	0.342	0.444
%RSD		1.301	1.139	1.383	1.672	0.954	1.122	0.593	3.148
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:05	13.820	51.750	53.210	15.320	-0.491	0.525	0.000	194.500
2	19:03:48	15.070	53.130	55.180	14.840	-0.375	-1.872	0.000	197.400
3	19:04:31	14.490	52.780	53.640	14.960	-0.300	-0.239	0.000	191.100
x		14.460	52.560	54.010	15.040	-0.389	-0.529	0.000	194.300
σ		0.629	0.717	1.034	0.251	0.096	1.224	0.000	3.179
%RSD		4.349	1.364	1.915	1.667	24.740	231.600	0.000	1.636
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:05	80.097%	2.565	2.638	76.140%	0.056	0.035	0.405	0.510
2	19:03:48	81.435%	2.705	2.664	77.601%	0.048	0.060	0.612	0.607
3	19:04:31	83.916%	2.642	2.771	79.444%	0.044	0.042	0.679	0.545
x		81.816%	2.637	2.691	77.728%	0.049	0.046	0.565	0.554
σ		1.938%	0.070	0.071	1.656%	0.006	0.013	0.143	0.049
%RSD		2.369	2.644	2.621	2.131	12.960	28.600	25.260	8.812
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:05	75.981%	0.340	0.089	0.067	184.500	179.500	77.365%	78.342%
2	19:03:48	77.882%	0.455	0.108	0.109	185.900	183.100	79.020%	79.460%
3	19:04:31	79.559%	0.269	0.067	0.091	181.400	179.600	79.592%	81.095%
x		77.807%	0.355	0.088	0.089	184.000	180.700	78.659%	79.632%
σ		1.790%	0.094	0.020	0.021	2.313	2.057	1.156%	1.385%
%RSD		2.301	26.560	22.870	23.840	1.257	1.138	1.470	1.739
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:03:05	0.200	0.178	43.530	43.660	43.730	71.855%		
2	19:03:48	0.173	0.164	43.970	45.070	44.640	73.415%		
3	19:04:31	0.163	0.165	44.070	44.730	44.430	74.198%		
x		0.178	0.169	43.860	44.490	44.270	73.156%		
σ		0.019	0.008	0.287	0.735	0.475	1.193%		
%RSD		10.610	4.695	0.655	1.651	1.073	1.630		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:11:19	75.098%	0.446	5.127	4.894	0.000	258.400	3296.000	3320.000
2	19:12:02	76.089%	0.745	5.800	4.400	0.000	259.900	3275.000	3287.000
3	19:12:45	76.558%	0.526	2.979	4.681	0.000	268.200	3270.000	3254.000
x		75.915%	0.572	4.635	4.659	0.000	262.200	3280.000	3287.000
σ		0.745%	0.155	1.474	0.248	0.000	5.280	13.900	33.020
%RSD		0.982	27.060	31.790	5.319	0.000	2.014	0.424	1.005

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:11:19	14110.000	582.900	0.000	776.600	1844.000	1748.000	75.462%	105.600
2	19:12:02	13820.000	542.300	0.000	770.300	1768.000	1754.000	76.035%	103.500
3	19:12:45	13720.000	550.400	0.000	764.900	1712.000	1724.000	75.901%	96.410
x		13880.000	558.500	0.000	770.600	1775.000	1742.000	75.799%	101.800
σ		198.400	21.470	0.000	5.816	66.390	15.810	0.300%	4.833
%RSD		1.429	3.844	0.000	0.755	3.741	0.908	0.395	4.745

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:11:19	28.680	104.100	3656.000	26950.000	26090.000	11.770	92.910	13.000
2	19:12:02	27.220	103.700	3641.000	26790.000	26120.000	11.610	91.130	13.060
3	19:12:45	26.610	103.400	3613.000	26590.000	25910.000	11.780	91.890	13.560
x		27.510	103.700	3636.000	26780.000	26040.000	11.720	91.980	13.200
σ		1.063	0.350	21.850	178.100	116.400	0.100	0.896	0.307
%RSD		3.865	0.337	0.601	0.665	0.447	0.855	0.974	2.328

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:11:19	12.800	47.420	48.650	11.110	-0.705	-0.356	0.000	20.750
2	19:12:02	13.910	47.830	50.150	10.950	-0.922	0.738	0.000	21.120
3	19:12:45	13.400	48.240	48.140	11.670	-0.043	0.197	0.000	21.070
x		13.370	47.830	48.980	11.240	-0.556	0.193	0.000	20.980
σ		0.553	0.410	1.046	0.378	0.458	0.547	0.000	0.200
%RSD		4.135	0.857	2.136	3.365	82.230	283.700	0.000	0.955

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:11:19	81.427%	1.017	1.047	78.850%	0.044	0.033	0.563	0.480
2	19:12:02	81.089%	1.256	1.126	79.676%	0.055	0.035	0.586	0.596
3	19:12:45	81.874%	1.213	1.163	80.249%	0.048	0.018	0.520	0.478
x		81.463%	1.162	1.112	79.592%	0.049	0.029	0.556	0.518
σ		0.394%	0.127	0.059	0.704%	0.006	0.009	0.033	0.068
%RSD		0.483	10.960	5.332	0.884	11.230	31.850	6.018	13.040

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:11:19	79.076%	0.209	0.056	0.042	170.500	170.500	79.594%	79.752%
2	19:12:02	79.132%	0.246	0.040	0.009	173.400	172.800	81.229%	81.498%
3	19:12:45	79.617%	0.206	0.027	0.017	173.400	171.800	81.555%	81.782%
x		79.275%	0.220	0.041	0.023	172.500	171.700	80.793%	81.011%
σ		0.297%	0.022	0.014	0.017	1.662	1.148	1.051%	1.099%
%RSD		0.375	10.130	35.210	75.400	0.964	0.668	1.301	1.357

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:11:19	0.212	0.198	16.760	16.460	16.710	76.937%
2	19:12:02	0.200	0.184	17.060	17.060	16.940	77.680%
3	19:12:45	0.171	0.171	17.130	16.430	16.710	78.436%
x		0.194	0.185	16.990	16.650	16.790	77.684%
σ		0.021	0.013	0.197	0.353	0.128	0.750%
%RSD		10.850	7.206	1.161	2.118	0.759	0.965

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:33	75.514%	0.117	1.990	1.929	0.000	181.000	335.200	331.900
2	19:20:16	77.849%	0.113	1.728	1.779	0.000	181.700	333.400	325.600
3	19:21:00	78.451%	0.129	1.437	1.516	0.000	187.900	320.000	320.000
x		77.272%	0.120	1.718	1.741	0.000	183.500	329.500	325.800
σ		1.551%	0.008	0.277	0.209	0.000	3.762	8.296	5.967
%RSD		2.008	6.981	16.120	12.010	0.000	2.050	2.517	1.831

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:33	1541.000	-6.269	0.000	155.200	466.100	324.600	76.288%	14.940
2	19:20:16	1521.000	-16.430	0.000	149.300	409.600	331.800	77.159%	13.970
3	19:21:00	1508.000	-6.299	0.000	150.400	389.200	334.700	77.824%	15.190
x		1523.000	-9.666	0.000	151.700	421.600	330.400	77.090%	14.700
σ		16.330	5.857	0.000	3.142	39.830	5.171	0.771%	0.646
%RSD		1.072	60.600	0.000	2.072	9.446	1.565	1.000	4.398

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:33	3.429	4.081	5970.000	2907.000	2793.000	2.770	7.872	3.054
2	19:20:16	3.221	4.170	5976.000	2921.000	2836.000	2.979	8.004	3.290
3	19:21:00	3.337	3.886	5867.000	2847.000	2746.000	2.868	7.766	3.006
x		3.329	4.046	5938.000	2892.000	2791.000	2.873	7.881	3.117
σ		0.104	0.145	61.130	38.850	44.890	0.104	0.119	0.152
%RSD		3.136	3.592	1.029	1.343	1.608	3.635	1.515	4.865

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:33	3.089	9.448	8.955	2.597	-0.438	-0.254	0.000	15.630
2	19:20:16	3.396	8.820	9.095	2.584	-1.020	0.516	0.000	15.700
3	19:21:00	3.211	9.199	8.743	2.645	-0.795	0.503	0.000	15.160
x		3.232	9.156	8.931	2.609	-0.751	0.255	0.000	15.500
σ		0.154	0.316	0.177	0.032	0.293	0.441	0.000	0.294
%RSD		4.775	3.455	1.985	1.230	39.070	172.900	0.000	1.900

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:33	79.270%	0.264	0.245	79.464%	0.001	-0.000	-0.028	0.001
2	19:20:16	79.969%	0.201	0.292	81.439%	-0.006	-0.003	0.109	0.077
3	19:21:00	82.402%	0.169	0.288	82.931%	0.002	0.001	0.027	0.028
x		80.547%	0.211	0.275	81.278%	-0.001	-0.001	0.036	0.035
σ		1.644%	0.048	0.026	1.739%	0.005	0.002	0.069	0.039
%RSD		2.041	22.890	9.598	2.140	397.400	261.600	190.500	110.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:33	79.123%	0.029	-0.002	-0.006	165.900	168.000	79.372%	79.521%
2	19:20:16	81.540%	0.062	0.010	0.016	169.600	166.000	80.829%	82.049%
3	19:21:00	82.618%	0.053	0.018	0.015	164.100	163.500	83.688%	83.546%
x		81.094%	0.048	0.009	0.008	166.500	165.800	81.296%	81.706%
σ		1.790%	0.017	0.010	0.012	2.784	2.260	2.195%	2.034%
%RSD		2.207	36.000	120.000	145.300	1.672	1.363	2.700	2.490

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:33	0.045	0.079	2.458	2.435	2.480	76.692%
2	19:20:16	0.058	0.074	2.464	2.490	2.489	78.688%
3	19:21:00	0.072	0.063	2.567	2.523	2.457	79.106%
x		0.058	0.072	2.496	2.483	2.475	78.162%
σ		0.014	0.008	0.062	0.044	0.016	1.290%
%RSD		23.140	11.130	2.466	1.787	0.665	1.650

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:48	79.366%	0.075	2.579	2.272	0.000	207.400	382.600	380.300
2	19:28:31	78.035%	0.077	2.627	2.368	0.000	210.100	398.500	395.100
3	19:29:14	80.572%	0.073	3.052	2.603	0.000	204.300	375.000	379.200
x		79.324%	0.075	2.753	2.414	0.000	207.200	385.300	384.900
σ		1.269%	0.002	0.260	0.170	0.000	2.878	11.990	8.865
%RSD		1.599	2.479	9.462	7.060	0.000	1.389	3.111	2.303

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:48	1045.000	-13.260	0.000	83.740	914.900	740.000	77.820%	13.150
2	19:28:31	1083.000	-6.040	0.000	89.430	885.100	762.800	78.786%	13.780
3	19:29:14	1051.000	-2.699	0.000	83.910	885.100	750.600	80.188%	12.710
x		1060.000	-7.332	0.000	85.690	895.000	751.100	78.931%	13.210
σ		20.710	5.396	0.000	3.240	17.240	11.390	1.191%	0.539
%RSD		1.954	73.600	0.000	3.781	1.926	1.517	1.508	4.081

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:48	2.592	5.097	4516.000	1671.000	1719.000	2.350	3.077	10.840
2	19:28:31	2.642	5.066	4578.000	1708.000	1754.000	2.414	3.195	10.960
3	19:29:14	1.998	5.023	4483.000	1676.000	1721.000	2.331	3.375	11.160
x		2.411	5.062	4525.000	1685.000	1732.000	2.365	3.215	10.990
σ		0.358	0.037	48.060	20.190	19.590	0.044	0.150	0.164
%RSD		14.850	0.735	1.062	1.198	1.131	1.846	4.666	1.493

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:48	10.780	9.445	8.957	26.590	-0.418	0.407	0.000	367.400
2	19:28:31	11.350	9.703	9.225	27.040	-0.876	1.189	0.000	375.500
3	19:29:14	10.900	10.360	9.553	27.180	-0.803	0.064	0.000	371.500
x		11.010	9.835	9.245	26.940	-0.699	0.553	0.000	371.500
σ		0.299	0.470	0.298	0.310	0.246	0.577	0.000	4.069
%RSD		2.713	4.780	3.226	1.151	35.160	104.300	0.000	1.095

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:48	80.843%	6.829	7.253	81.191%	-0.006	-0.010	0.029	0.042
2	19:28:31	81.299%	7.503	7.068	82.035%	-0.006	-0.001	-0.039	0.004
3	19:29:14	81.978%	7.820	7.710	82.682%	-0.015	-0.001	0.096	0.077
x		81.373%	7.384	7.344	81.969%	-0.009	-0.004	0.029	0.041
σ		0.571%	0.506	0.330	0.748%	0.005	0.005	0.068	0.037
%RSD		0.702	6.858	4.497	0.912	55.740	128.100	234.300	89.260

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:48	79.994%	0.003	0.011	-0.000	31.570	31.480	80.508%	81.664%
2	19:28:31	81.266%	0.015	-0.001	0.007	33.720	33.840	83.455%	83.458%
3	19:29:14	82.793%	0.036	0.005	0.001	32.770	32.470	82.824%	84.040%
x		81.351%	0.018	0.005	0.003	32.690	32.600	82.263%	83.054%
σ		1.402%	0.017	0.006	0.004	1.081	1.185	1.552%	1.239%
%RSD		1.723	91.450	129.000	159.300	3.308	3.634	1.886	1.491

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:48	0.030	0.028	88.810	91.110	90.980	77.958%
2	19:28:31	0.016	0.040	90.070	91.780	91.910	80.139%
3	19:29:14	0.018	0.025	89.970	93.000	92.250	80.260%
x		0.021	0.031	89.620	91.970	91.710	79.452%
σ		0.007	0.008	0.701	0.958	0.659	1.296%
%RSD		34.190	25.790	0.782	1.041	0.719	1.631

CCV 781130 4/12/2013 7:35:19 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	75.434%	102.400	102.600	100.200	0.000	51640.000	52100.000	52510.000
2	19:36:45	76.691%	102.500	94.300	100.600	0.000	51390.000	51670.000	52030.000
3	19:37:28	77.765%	103.000	103.800	101.300	0.000	50680.000	51130.000	51350.000
x		76.630%	102.660%	100.216%	100.707%	0.000	102.478%	103.260%	103.928%
σ		1.167%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.523	0.298	5.149	0.536	0.000	0.977	0.942	1.115

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	527.700	5024.000	0.000	52910.000	51250.000	50740.000	73.440%	102.500
2	19:36:45	524.100	5008.000	0.000	52590.000	51990.000	50730.000	74.578%	102.500
3	19:37:28	521.100	4972.000	0.000	52220.000	52040.000	50090.000	75.133%	103.000
x		104.860%	100.028%	0.000	105.145%	103.520%	101.037%	74.384%	102.667%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.863%	n/a
%RSD		0.625	0.526	0.000	0.654	0.860	0.738	1.160	0.296

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	106.300	103.800	524.300	26720.000	25970.000	105.600	105.700	105.000
2	19:36:45	105.300	104.900	521.300	26420.000	25950.000	105.900	106.300	104.600
3	19:37:28	102.400	103.100	517.600	26220.000	26100.000	104.700	104.300	105.800
x		104.654%	103.934%	104.214%	105.821%	104.023%	105.385%	105.450%	105.139%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.922	0.878	0.648	0.957	0.332	0.599	0.962	0.602

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	108.300	103.400	104.200	101.000	100.000	100.800	0.000	102.700
2	19:36:45	107.000	104.800	100.500	101.900	103.200	104.500	0.000	103.100
3	19:37:28	106.500	101.600	99.750	103.200	98.850	99.300	0.000	101.900
x		107.262%	103.258%	101.475%	102.044%	100.694%	101.531%	0.000	102.598%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.872	1.575	2.334	1.059	2.242	2.606	0.000	0.597

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	74.531%	102.700	101.400	74.615%	104.300	102.400	101.300	101.400
2	19:36:45	76.060%	105.800	104.900	75.637%	104.400	103.200	100.700	100.700
3	19:37:28	77.946%	106.600	103.600	77.034%	103.900	102.300	101.200	100.200
x		76.179%	105.044%	103.313%	75.762%	104.211%	102.607%	101.097%	100.734%
σ		1.710%	n/a	n/a	1.214%	n/a	n/a	n/a	n/a
%RSD		2.245	1.976	1.693	1.602	0.272	0.479	0.315	0.601

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	75.676%	99.060	100.000	99.650	102.300	101.700	77.291%	78.301%
2	19:36:45	77.591%	99.730	100.500	99.910	104.100	101.700	79.507%	80.052%
3	19:37:28	78.974%	98.750	99.460	100.100	102.000	103.400	80.039%	81.020%
x		77.414%	99.180%	99.992%	99.886%	102.779%	102.240%	78.946%	79.791%
σ		1.656%	n/a	n/a	n/a	n/a	n/a	1.458%	1.378%
%RSD		2.139	0.507	0.509	0.223	1.120	0.954	1.846	1.727

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	102.800	103.100	104.000	103.500	103.600	73.010%
2	19:36:45	102.300	103.900	104.600	104.300	104.700	74.706%
3	19:37:28	104.700	104.800	103.700	104.600	104.200	74.821%
x		103.267%	103.930%	104.079%	104.139%	104.170%	74.179%
σ		n/a	n/a	n/a	n/a	n/a	1.014%
%RSD		1.215	0.835	0.444	0.593	0.504	1.367

CCB4 4/12/2013 7:43:36 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:19	110.686%	-0.033	0.695	1.011	0.000	60.670	1.847	2.203
2	19:45:02	111.540%	0.005	0.619	0.822	0.000	68.860	3.842	3.493
3	19:45:45	111.241%	-0.008	1.281	0.687	0.000	67.180	1.332	2.209
x		111.156%	-0.012	0.865	0.840	0.000	65.570	2.340	2.635
σ		0.433%	0.019	0.362	0.163	0.000	4.328	1.326	0.743
%RSD		0.390	160.000	41.870	19.380	0.000	6.601	56.640	28.200

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:19	0.169	-242.500	0.000	-90.520	-0.418	-37.900	84.236%	0.049
2	19:45:02	0.114	-244.100	0.000	-91.410	8.797	-39.550	84.038%	0.019
3	19:45:45	0.139	-244.600	0.000	-90.480	5.647	-34.020	84.533%	0.110
x		0.141	-243.700	0.000	-90.810	4.675	-37.160	84.269%	0.059
σ		0.027	1.134	0.000	0.527	4.684	2.839	0.249%	0.047
%RSD		19.520	0.465	0.000	0.580	100.200	7.641	0.296	78.550

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:19	0.390	0.176	0.228	-3.621	-0.363	-0.018	0.011	-0.064
2	19:45:02	0.492	0.102	0.246	-4.668	-0.706	-0.012	0.010	-0.033
3	19:45:45	0.816	0.126	0.160	-6.561	-1.625	-0.014	0.038	-0.092
x		0.566	0.135	0.211	-4.950	-0.898	-0.015	0.019	-0.063
σ		0.222	0.038	0.045	1.490	0.652	0.003	0.016	0.030
%RSD		39.310	27.990	21.490	30.100	72.670	20.660	81.250	46.910

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:19	-0.043	-0.924	-0.975	0.062	-0.986	-0.587	0.000	0.023
2	19:45:02	-0.068	-0.838	-0.864	0.031	-1.382	-1.257	0.000	0.037
3	19:45:45	-0.101	-0.910	-0.767	-0.061	-0.834	-0.323	0.000	0.011
x		-0.071	-0.891	-0.869	0.010	-1.067	-0.722	0.000	0.023
σ		0.029	0.047	0.104	0.064	0.283	0.482	0.000	0.013
%RSD		41.080	5.222	11.970	614.100	26.500	66.730	0.000	57.010

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:19	83.406%	0.137	0.189	92.321%	0.000	0.028	0.006	0.024
2	19:45:02	84.529%	0.158	0.208	92.559%	0.006	0.025	-0.070	-0.043
3	19:45:45	84.588%	0.204	0.151	93.026%	0.006	-0.003	-0.019	-0.004
x		84.175%	0.167	0.183	92.636%	0.004	0.017	-0.028	-0.008
σ		0.666%	0.034	0.029	0.359%	0.003	0.017	0.039	0.034
%RSD		0.791	20.540	15.720	0.387	84.450	100.300	139.300	451.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:19	84.212%	0.122	0.004	-0.000	-0.015	-0.014	86.816%	87.146%
2	19:45:02	86.001%	0.092	-0.008	-0.012	-0.027	0.012	87.205%	87.934%
3	19:45:45	86.459%	0.122	-0.015	-0.031	-0.015	0.050	89.631%	88.658%
x		85.558%	0.112	-0.006	-0.015	-0.019	0.016	87.884%	87.913%
σ		1.187%	0.017	0.009	0.016	0.007	0.032	1.525%	0.756%
%RSD		1.388	15.500	147.200	107.500	35.010	203.600	1.735	0.860

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:19	-0.003	0.008	0.114	0.072	0.093	83.311%
2	19:45:02	0.002	0.003	0.087	0.082	0.083	83.403%
3	19:45:45	-0.007	-0.003	0.058	0.077	0.076	84.901%
x		-0.002	0.003	0.086	0.077	0.084	83.871%
σ		0.005	0.006	0.028	0.005	0.009	0.892%
%RSD		192.400	209.000	31.890	7.002	10.360	1.064

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:36	72.713%	0.630	11.060	11.830	0.000	395.000	2920.000	2957.000
2	19:53:19	71.774%	0.676	12.590	11.920	0.000	416.300	2996.000	3026.000
3	19:54:02	73.015%	0.553	11.510	11.190	0.000	414.500	2964.000	2980.000
x		72.501%	0.620	11.720	11.650	0.000	408.600	2960.000	2988.000
σ		0.647%	0.062	0.787	0.400	0.000	11.810	37.880	35.030
%RSD		0.893	10.080	6.717	3.436	0.000	2.891	1.280	1.172

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:36	13330.000	595.400	0.000	1439.000	1719.000	1482.000	74.374%	116.600
2	19:53:19	13550.000	608.900	0.000	1475.000	1747.000	1496.000	73.795%	118.400
3	19:54:02	13430.000	595.700	0.000	1462.000	1673.000	1471.000	74.050%	114.500
x		13440.000	600.000	0.000	1459.000	1713.000	1483.000	74.073%	116.500
σ		106.900	7.725	0.000	17.990	37.520	12.560	0.291%	1.980
%RSD		0.796	1.288	0.000	1.233	2.191	0.847	0.392	1.699

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:36	25.840	30.220	6110.000	22250.000	21460.000	10.880	29.010	28.820
2	19:53:19	25.580	29.800	6154.000	22230.000	21710.000	10.450	29.440	28.600
3	19:54:02	24.770	30.050	6047.000	22020.000	21530.000	10.980	28.450	28.940
x		25.400	30.020	6104.000	22170.000	21570.000	10.770	28.970	28.790
σ		0.557	0.210	53.990	127.800	127.000	0.283	0.501	0.169
%RSD		2.194	0.701	0.884	0.577	0.589	2.630	1.730	0.588

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:36	28.980	64.780	64.440	191.100	-0.425	-0.064	0.000	828.900
2	19:53:19	28.900	66.320	67.260	191.700	0.022	1.022	0.000	841.100
3	19:54:02	28.250	66.110	66.240	189.300	-0.189	-1.267	0.000	837.300
x		28.710	65.740	65.980	190.700	-0.197	-0.103	0.000	835.800
σ		0.405	0.835	1.427	1.254	0.224	1.145	0.000	6.271
%RSD		1.410	1.271	2.162	0.657	113.400	1110.000	0.000	0.750

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:36	78.973%	38.440	38.990	75.544%	0.040	0.040	0.260	0.210
2	19:53:19	79.379%	39.920	39.500	76.726%	0.049	0.039	0.262	0.151
3	19:54:02	80.188%	39.870	39.560	77.096%	0.057	0.034	0.310	0.210
x		79.513%	39.410	39.350	76.456%	0.049	0.038	0.277	0.190
σ		0.618%	0.842	0.311	0.811%	0.009	0.003	0.028	0.034
%RSD		0.778	2.136	0.790	1.060	17.510	9.157	10.180	17.930

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:36	75.839%	0.243	0.033	0.033	111.200	112.300	77.737%	78.684%
2	19:53:19	76.741%	0.299	0.030	0.038	112.300	112.000	79.402%	79.787%
3	19:54:02	78.281%	0.215	0.052	-0.011	112.400	111.400	80.281%	80.514%
x		76.954%	0.252	0.039	0.020	112.000	111.900	79.140%	79.662%
σ		1.235%	0.043	0.012	0.027	0.685	0.427	1.292%	0.922%
%RSD		1.605	17.020	31.040	136.800	0.611	0.381	1.633	1.157

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:52:36	0.166	0.173	168.500	171.200	172.300	74.540%
2	19:53:19	0.178	0.165	170.300	174.800	174.900	75.523%
3	19:54:02	0.155	0.186	169.800	174.900	174.600	76.224%
x		0.166	0.175	169.600	173.600	173.900	75.429%
σ		0.012	0.011	0.923	2.137	1.448	0.846%
%RSD		7.057	6.112	0.544	1.231	0.833	1.122

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:52	76.162%	0.044	2.059	1.732	0.000	243.800	407.500	401.700
2	20:01:35	76.933%	0.025	2.307	1.841	0.000	249.000	393.600	408.600
3	20:02:18	76.596%	0.008	0.559	1.982	0.000	252.600	402.700	401.400
x		76.564%	0.026	1.641	1.852	0.000	248.400	401.200	403.900
σ		0.387%	0.018	0.946	0.125	0.000	4.427	7.067	4.079
%RSD		0.505	70.070	57.620	6.759	0.000	1.782	1.761	1.010

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:52	1292.000	-38.580	0.000	117.500	599.700	539.600	77.140%	14.420
2	20:01:35	1297.000	-18.110	0.000	119.000	664.700	528.300	77.831%	14.870
3	20:02:18	1307.000	-26.280	0.000	113.900	646.300	544.200	78.471%	14.260
x		1299.000	-27.650	0.000	116.800	636.900	537.400	77.814%	14.520
σ		7.364	10.300	0.000	2.580	33.510	8.173	0.666%	0.318
%RSD		0.567	37.260	0.000	2.209	5.261	1.521	0.856	2.189

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:52	3.110	1.814	6140.000	2137.000	2209.000	8.776	3.320	13.400
2	20:01:35	3.030	1.719	6072.000	2141.000	2183.000	8.743	3.441	13.100
3	20:02:18	3.043	1.880	6117.000	2241.000	2217.000	8.760	4.016	13.340
x		3.061	1.804	6110.000	2173.000	2203.000	8.760	3.592	13.280
σ		0.043	0.081	34.290	58.520	17.750	0.017	0.372	0.157
%RSD		1.396	4.485	0.561	2.693	0.806	0.189	10.350	1.181

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:52	13.930	6.301	6.093	11.530	-0.648	0.165	0.000	167.800
2	20:01:35	13.550	6.315	5.760	10.510	-0.834	-0.239	0.000	166.100
3	20:02:18	13.210	6.028	6.501	11.280	-0.670	0.787	0.000	168.100
x		13.560	6.215	6.118	11.110	-0.717	0.238	0.000	167.300
σ		0.359	0.162	0.371	0.531	0.102	0.517	0.000	1.094
%RSD		2.647	2.600	6.065	4.783	14.150	217.200	0.000	0.654

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:52	78.382%	6.124	6.392	78.842%	-0.006	-0.005	0.041	0.043
2	20:01:35	80.507%	5.689	6.252	81.130%	-0.002	0.002	0.017	-0.002
3	20:02:18	80.679%	6.496	6.285	81.904%	0.002	-0.001	0.019	0.005
x		79.856%	6.103	6.310	80.625%	-0.002	-0.002	0.026	0.015
σ		1.280%	0.404	0.073	1.592%	0.004	0.003	0.013	0.024
%RSD		1.603	6.619	1.158	1.975	226.500	217.900	51.490	155.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:52	79.439%	0.063	-0.026	-0.024	54.760	55.510	79.599%	79.999%
2	20:01:35	81.016%	0.043	-0.003	-0.030	57.480	54.750	82.131%	83.540%
3	20:02:18	82.118%	0.041	-0.004	-0.025	55.710	55.540	83.227%	83.838%
x		80.858%	0.049	-0.011	-0.026	55.980	55.270	81.652%	82.459%
σ		1.346%	0.012	0.013	0.003	1.382	0.447	1.861%	2.136%
%RSD		1.665	25.000	115.400	13.190	2.469	0.808	2.279	2.590

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:52	0.098	0.110	13.440	13.820	13.830	76.588%
2	20:01:35	0.091	0.113	13.250	13.460	13.790	78.413%
3	20:02:18	0.083	0.110	13.760	14.320	13.910	79.415%
x		0.090	0.111	13.480	13.860	13.840	78.139%
σ		0.008	0.002	0.258	0.430	0.062	1.433%
%RSD		8.566	1.533	1.910	3.103	0.447	1.834

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:08	77.657%	0.007	1.184	2.010	0.000	191.600	360.700	371.800
2	20:09:51	78.640%	0.024	1.520	2.050	0.000	198.600	362.800	363.500
3	20:10:34	78.970%	0.093	2.860	2.020	0.000	193.100	360.700	358.600
x		78.422%	0.041	1.855	2.027	0.000	194.400	361.400	364.700
σ		0.683%	0.045	0.887	0.021	0.000	3.712	1.237	6.663
%RSD		0.871	109.600	47.800	1.018	0.000	1.909	0.342	1.827

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:08	1519.000	-27.260	0.000	202.400	425.000	293.900	77.443%	16.530
2	20:09:51	1518.000	-21.950	0.000	203.400	385.800	278.400	78.524%	15.800
3	20:10:34	1501.000	-27.660	0.000	196.600	328.100	280.700	78.814%	15.350
x		1512.000	-25.620	0.000	200.800	379.600	284.300	78.260%	15.890
σ		10.010	3.185	0.000	3.698	48.760	8.357	0.723%	0.599
%RSD		0.662	12.430	0.000	1.842	12.840	2.939	0.923	3.768

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:08	3.043	1.995	3485.000	2954.000	2814.000	3.276	3.779	4.713
2	20:09:51	3.166	1.914	3424.000	2905.000	2808.000	3.171	3.052	4.562
3	20:10:34	2.988	1.998	3380.000	2869.000	2762.000	3.153	2.858	4.804
x		3.066	1.969	3430.000	2909.000	2795.000	3.200	3.229	4.693
σ		0.091	0.048	52.720	42.450	28.290	0.066	0.486	0.123
%RSD		2.962	2.430	1.537	1.459	1.012	2.072	15.040	2.609

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:08	4.661	6.908	6.782	19.190	-0.474	-0.184	0.000	239.400
2	20:09:51	4.805	6.590	6.076	19.980	-0.568	-0.249	0.000	236.300
3	20:10:34	4.301	6.203	6.834	19.640	-0.398	0.527	0.000	234.400
x		4.589	6.567	6.564	19.610	-0.480	0.031	0.000	236.700
σ		0.260	0.353	0.423	0.395	0.085	0.430	0.000	2.503
%RSD		5.656	5.376	6.448	2.014	17.730	1377.000	0.000	1.057

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:08	78.289%	10.380	10.770	79.682%	-0.001	-0.005	0.134	0.089
2	20:09:51	80.206%	11.010	10.490	81.177%	-0.013	-0.005	-0.015	-0.006
3	20:10:34	81.353%	11.010	10.720	81.636%	-0.011	0.006	-0.015	-0.012
x		79.949%	10.800	10.660	80.832%	-0.008	-0.002	0.034	0.024
σ		1.548%	0.365	0.152	1.022%	0.006	0.006	0.086	0.057
%RSD		1.936	3.376	1.424	1.264	73.370	406.000	250.000	237.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:08	78.917%	0.043	-0.019	-0.018	26.710	25.030	80.568%	79.528%
2	20:09:51	81.040%	0.039	0.008	-0.018	26.160	25.890	82.468%	82.402%
3	20:10:34	82.608%	0.037	-0.024	-0.028	25.550	24.910	83.452%	83.421%
x		80.855%	0.040	-0.012	-0.021	26.140	25.270	82.163%	81.783%
σ		1.852%	0.003	0.017	0.005	0.579	0.532	1.466%	2.019%
%RSD		2.291	7.758	147.300	25.940	2.214	2.104	1.784	2.469

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:08	0.090	0.091	14.430	14.590	14.610	76.192%
2	20:09:51	0.083	0.080	14.130	14.590	14.550	77.944%
3	20:10:34	0.086	0.081	13.960	14.120	14.350	79.145%
x		0.086	0.084	14.170	14.430	14.500	77.760%
σ		0.003	0.006	0.234	0.271	0.138	1.485%
%RSD		4.047	7.066	1.649	1.879	0.952	1.910

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:25	76.130%	0.959	1.966	1.887	0.000	168.000	1457.000	1479.000
2	20:18:08	77.036%	0.823	2.582	2.068	0.000	174.000	1485.000	1484.000
3	20:18:53	76.350%	0.777	1.681	2.053	0.000	177.900	1479.000	1477.000
x		76.505%	0.853	2.076	2.003	0.000	173.300	1474.000	1480.000
σ		0.472%	0.094	0.460	0.101	0.000	4.975	15.000	3.803
%RSD		0.618	11.050	22.180	5.040	0.000	2.871	1.018	0.257

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:25	13040.000	454.800	0.000	530.400	980.700	797.600	77.260%	103.500
2	20:18:08	13050.000	448.000	0.000	530.400	905.200	817.300	77.318%	109.200
3	20:18:53	12950.000	435.300	0.000	533.900	833.600	826.400	77.096%	107.100
x		13010.000	446.000	0.000	531.600	906.500	813.800	77.225%	106.600
σ		56.630	9.933	0.000	1.992	73.590	14.750	0.115%	2.887
%RSD		0.435	2.227	0.000	0.375	8.118	1.813	0.149	2.708

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:25	32.190	14.690	4371.000	30170.000	29020.000	19.470	13.120	5.057
2	20:18:08	32.540	15.040	4360.000	30060.000	29300.000	19.080	12.760	5.157
3	20:18:53	32.800	15.120	4376.000	30070.000	29200.000	18.970	12.580	5.073
x		32.510	14.950	4369.000	30100.000	29170.000	19.170	12.820	5.096
σ		0.305	0.233	8.229	61.590	137.900	0.265	0.278	0.053
%RSD		0.940	1.559	0.188	0.205	0.473	1.385	2.165	1.046

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:25	5.223	41.340	43.170	13.190	0.212	-0.450	0.000	5.888
2	20:18:08	5.048	43.510	43.450	13.400	-0.342	0.016	0.000	5.981
3	20:18:53	4.799	44.320	44.120	13.670	0.216	1.063	0.000	5.917
x		5.023	43.060	43.580	13.420	0.029	0.210	0.000	5.929
σ		0.213	1.540	0.486	0.241	0.321	0.775	0.000	0.047
%RSD		4.235	3.576	1.116	1.796	1126.000	369.400	0.000	0.799

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:25	80.553%	1.695	1.527	78.406%	0.026	0.019	0.088	0.063
2	20:18:08	80.823%	1.445	1.422	79.459%	0.037	0.049	0.118	0.110
3	20:18:53	81.002%	1.415	1.448	79.759%	0.037	0.047	0.101	0.136
x		80.793%	1.518	1.466	79.208%	0.034	0.038	0.102	0.103
σ		0.226%	0.153	0.055	0.710%	0.006	0.017	0.015	0.037
%RSD		0.279	10.110	3.738	0.897	18.180	43.710	15.090	36.040

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:25	78.254%	0.226	0.003	0.004	124.600	125.600	79.714%	80.015%
2	20:18:08	79.606%	0.175	-0.007	-0.009	127.700	126.500	81.736%	80.965%
3	20:18:53	79.254%	0.197	0.009	0.003	126.100	124.700	81.731%	82.834%
x		79.038%	0.199	0.001	-0.001	126.100	125.600	81.060%	81.271%
σ		0.701%	0.025	0.008	0.007	1.524	0.888	1.166%	1.434%
%RSD		0.887	12.640	572.200	801.400	1.208	0.707	1.438	1.764

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:25	0.237	0.218	19.610	19.320	19.300	76.889%
2	20:18:08	0.232	0.223	19.460	19.430	19.380	77.742%
3	20:18:53	0.204	0.215	19.950	19.460	19.600	77.869%
x		0.224	0.218	19.670	19.400	19.430	77.500%
σ		0.017	0.004	0.250	0.074	0.157	0.533%
%RSD		7.789	1.914	1.271	0.381	0.807	0.688

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:29	75.369%	0.825	3.411	3.980	0.000	190.300	1647.000	1640.000
2	20:26:12	75.217%	0.936	4.841	4.152	0.000	193.700	1630.000	1657.000
3	20:26:55	75.587%	0.968	4.348	4.697	0.000	192.500	1615.000	1636.000
x		75.391%	0.909	4.200	4.276	0.000	192.200	1631.000	1645.000
σ		0.186%	0.075	0.726	0.374	0.000	1.741	15.780	11.220
%RSD		0.246	8.279	17.290	8.752	0.000	0.906	0.968	0.682
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:29	12440.000	1203.000	0.000	1045.000	1082.000	947.800	75.577%	122.600
2	20:26:12	12370.000	1200.000	0.000	1054.000	1044.000	950.500	74.750%	123.200
3	20:26:55	12270.000	1179.000	0.000	1053.000	1009.000	955.200	74.472%	124.700
x		12360.000	1194.000	0.000	1051.000	1045.000	951.200	74.933%	123.500
σ		82.520	13.050	0.000	5.111	36.170	3.699	0.575%	1.094
%RSD		0.668	1.093	0.000	0.486	3.462	0.389	0.767	0.886
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:29	27.150	13.570	3682.000	28880.000	27710.000	24.290	16.710	9.090
2	20:26:12	27.590	13.770	3704.000	28870.000	27870.000	24.570	16.890	9.059
3	20:26:55	26.920	13.280	3689.000	28750.000	28130.000	24.490	16.960	9.436
x		27.220	13.540	3692.000	28830.000	27900.000	24.450	16.860	9.195
σ		0.341	0.242	11.210	74.670	215.700	0.144	0.132	0.209
%RSD		1.253	1.784	0.304	0.259	0.773	0.591	0.781	2.276
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:29	9.396	54.810	54.500	240.000	-0.258	-1.110	0.000	122.500
2	20:26:12	9.342	55.330	55.610	238.500	-0.220	0.351	0.000	120.800
3	20:26:55	9.603	58.290	55.480	237.500	-0.590	-0.503	0.000	122.200
x		9.447	56.150	55.190	238.700	-0.356	-0.421	0.000	121.800
σ		0.138	1.880	0.607	1.258	0.204	0.734	0.000	0.895
%RSD		1.461	3.348	1.099	0.527	57.190	174.300	0.000	0.735
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:29	80.392%	139.500	139.900	77.459%	0.041	0.039	0.190	0.187
2	20:26:12	81.221%	140.200	142.600	77.527%	0.052	0.031	0.263	0.276
3	20:26:55	80.833%	142.500	143.400	76.970%	0.027	0.038	0.331	0.328
x		80.815%	140.800	142.000	77.319%	0.040	0.036	0.261	0.264
σ		0.415%	1.578	1.839	0.304%	0.013	0.004	0.070	0.071
%RSD		0.513	1.121	1.296	0.393	31.500	11.940	26.820	27.000
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:29	77.766%	0.301	0.031	0.013	159.000	160.800	80.434%	80.313%
2	20:26:12	78.614%	0.301	0.038	0.024	160.800	162.400	79.360%	80.701%
3	20:26:55	78.678%	0.377	0.045	0.033	159.400	162.500	80.868%	80.968%
x		78.353%	0.326	0.038	0.023	159.700	161.900	80.220%	80.661%
σ		0.509%	0.044	0.007	0.010	0.914	0.936	0.776%	0.329%
%RSD		0.649	13.370	17.470	43.230	0.572	0.578	0.968	0.408
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:25:29	0.170	0.165	26.540	26.290	26.320	76.364%		
2	20:26:12	0.162	0.181	26.750	26.200	26.520	76.689%		
3	20:26:55	0.182	0.177	26.640	25.870	26.540	76.665%		
x		0.172	0.175	26.650	26.120	26.460	76.573%		
σ		0.010	0.008	0.104	0.223	0.124	0.181%		
%RSD		5.880	4.807	0.389	0.852	0.467	0.236		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:45	77.239%	-0.028	0.275	0.714	0.000	167.200	68.030	65.660
2	20:34:28	76.791%	0.008	0.743	0.511	0.000	180.100	64.410	62.380
3	20:35:11	77.445%	0.007	-0.188	0.348	0.000	175.700	65.180	66.610
x		77.158%	-0.004	0.277	0.524	0.000	174.300	65.870	64.880
σ		0.335%	0.020	0.465	0.183	0.000	6.537	1.906	2.220
%RSD		0.434	487.900	168.200	34.920	0.000	3.750	2.894	3.421
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:45	67.040	-121.500	0.000	-57.000	132.300	106.000	77.241%	1.462
2	20:34:28	68.490	-109.800	0.000	-55.250	196.500	114.800	77.266%	1.728
3	20:35:11	70.030	-104.400	0.000	-56.130	120.400	103.700	78.315%	1.769
x		68.520	-111.900	0.000	-56.130	149.700	108.200	77.608%	1.653
σ		1.493	8.734	0.000	0.874	40.910	5.873	0.613%	0.167
%RSD		2.180	7.805	0.000	1.557	27.330	5.430	0.790	10.090
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:45	0.277	0.187	1696.000	129.700	130.900	2.735	0.802	2.135
2	20:34:28	0.298	0.218	1932.000	133.700	131.800	2.664	0.571	2.296
3	20:35:11	0.165	0.156	1885.000	131.600	132.800	2.767	0.701	2.259
x		0.247	0.187	1837.000	131.700	131.800	2.722	0.691	2.230
σ		0.072	0.031	124.900	2.047	0.942	0.053	0.116	0.084
%RSD		29.140	16.580	6.799	1.554	0.715	1.947	16.820	3.780
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:45	2.272	-0.500	-0.702	0.941	-0.909	0.225	0.000	18.910
2	20:34:28	2.003	-0.474	-0.764	1.093	-0.331	0.312	0.000	19.650
3	20:35:11	2.273	-0.728	-0.559	0.541	-1.158	-0.731	0.000	19.440
x		2.183	-0.567	-0.675	0.858	-0.799	-0.064	0.000	19.330
σ		0.155	0.140	0.105	0.285	0.424	0.579	0.000	0.381
%RSD		7.122	24.670	15.600	33.220	53.100	897.900	0.000	1.971
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:45	77.940%	0.817	0.846	78.877%	-0.006	-0.005	-0.084	-0.053
2	20:34:28	78.909%	0.829	0.840	80.260%	-0.006	-0.003	-0.089	-0.060
3	20:35:11	80.815%	0.830	0.755	81.366%	-0.015	-0.012	-0.051	-0.036
x		79.221%	0.825	0.814	80.168%	-0.009	-0.007	-0.075	-0.050
σ		1.463%	0.007	0.051	1.247%	0.005	0.005	0.021	0.012
%RSD		1.847	0.906	6.265	1.555	59.110	72.780	28.060	24.410
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:45	78.819%	-0.002	-0.021	-0.026	14.770	15.600	80.556%	81.602%
2	20:34:28	80.685%	-0.031	-0.019	-0.018	16.220	15.450	81.857%	82.238%
3	20:35:11	82.079%	-0.033	-0.022	-0.027	15.370	15.300	83.186%	83.991%
x		80.528%	-0.022	-0.021	-0.024	15.460	15.450	81.866%	82.610%
σ		1.636%	0.017	0.001	0.005	0.728	0.152	1.315%	1.237%
%RSD		2.031	78.070	6.553	20.840	4.709	0.982	1.606	1.498
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:33:45	0.029	0.021	0.696	0.719	0.690	77.009%		
2	20:34:28	-0.000	0.016	0.686	0.762	0.732	77.785%		
3	20:35:11	0.016	0.025	0.679	0.778	0.709	79.178%		
x		0.015	0.021	0.687	0.753	0.710	77.991%		
σ		0.014	0.005	0.009	0.031	0.021	1.099%		
%RSD		96.700	23.300	1.250	4.102	2.943	1.409		

240-22274-B-23-A@10 4/12/2013 8:41:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:58	74.711%	0.448	11.440	11.600	0.000	339.000	1156.000	1164.000
2	20:42:42	74.986%	0.739	9.506	11.340	0.000	341.800	1145.000	1158.000
3	20:43:24	72.828%	0.592	14.090	11.610	0.000	357.800	1155.000	1155.000
x		74.175%	0.593	11.680	11.520	0.000	346.200	1152.000	1159.000
σ		1.175%	0.145	2.300	0.157	0.000	10.120	6.225	4.871
%RSD		1.584	24.480	19.690	1.359	0.000	2.922	0.540	0.420
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:58	8747.000	323.200	0.000	1552.000	978.600	731.400	74.725%	94.660
2	20:42:42	8619.000	300.100	0.000	1542.000	1064.000	727.700	74.324%	92.020
3	20:43:24	8686.000	314.500	0.000	1549.000	967.300	733.000	73.204%	90.430
x		8684.000	312.600	0.000	1548.000	1003.000	730.700	74.085%	92.370
σ		64.140	11.690	0.000	5.353	52.980	2.727	0.788%	2.140
%RSD		0.739	3.738	0.000	0.346	5.280	0.373	1.064	2.316
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:58	17.780	9.071	2420.000	17630.000	16950.000	18.090	9.110	5.529
2	20:42:42	17.520	9.051	2371.000	17340.000	16770.000	18.220	9.069	5.787
3	20:43:24	17.710	9.031	2389.000	17430.000	17060.000	17.910	8.442	5.492
x		17.670	9.051	2393.000	17470.000	16930.000	18.070	8.874	5.603
σ		0.136	0.020	24.660	150.000	144.600	0.158	0.375	0.161
%RSD		0.769	0.218	1.030	0.859	0.854	0.874	4.222	2.870
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:58	5.940	35.410	36.830	145.100	-0.776	0.177	0.000	708.500
2	20:42:42	5.923	35.490	36.590	146.000	-0.714	-0.041	0.000	703.000
3	20:43:24	5.418	36.280	36.970	144.300	-0.644	0.114	0.000	716.900
x		5.761	35.730	36.800	145.100	-0.711	0.083	0.000	709.500
σ		0.296	0.480	0.192	0.846	0.066	0.112	0.000	6.987
%RSD		5.147	1.345	0.523	0.583	9.285	134.600	0.000	0.985
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:58	78.323%	156.500	158.600	76.511%	0.013	0.034	0.147	0.116
2	20:42:42	78.580%	158.100	158.900	76.496%	0.032	0.034	0.254	0.164
3	20:43:24	78.167%	161.400	162.400	76.255%	0.027	0.015	0.252	0.209
x		78.357%	158.700	160.000	76.421%	0.024	0.028	0.218	0.163
σ		0.209%	2.528	2.118	0.144%	0.010	0.011	0.061	0.046
%RSD		0.266	1.593	1.324	0.188	39.620	40.610	28.040	28.410
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:58	77.141%	0.092	0.001	0.004	102.900	98.740	79.371%	78.547%
2	20:42:42	78.470%	0.131	-0.012	-0.003	99.460	99.080	80.265%	81.164%
3	20:43:24	78.161%	0.121	0.015	-0.020	98.970	100.500	80.258%	80.668%
x		77.924%	0.115	0.001	-0.006	100.400	99.440	79.965%	80.126%
σ		0.695%	0.020	0.013	0.013	2.115	0.937	0.515%	1.390%
%RSD		0.893	17.590	997.500	205.600	2.106	0.942	0.643	1.735
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:41:58	0.114	0.109	20.390	20.800	20.600	75.986%		
2	20:42:42	0.107	0.116	20.450	20.350	20.470	77.153%		
3	20:43:24	0.119	0.114	20.920	20.500	20.890	76.835%		
x		0.113	0.113	20.590	20.550	20.650	76.658%		
σ		0.006	0.004	0.287	0.230	0.216	0.603%		
%RSD		5.317	3.218	1.397	1.121	1.044	0.787		

CRI 787357 4/12/2013 8:49:31 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:14	79.738%	1.132	4.229	4.980	0.000	245.900	100.700	102.200
2	20:50:57	79.756%	0.940	4.220	4.350	0.000	243.900	99.430	101.300
3	20:51:40	81.190%	0.924	5.115	5.060	0.000	243.500	100.600	101.500
x		80.228%	99.868%	90.427%	95.934%	0.000	244.427%	100.231%	101.663%
σ		0.833%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.039	11.590	11.360	8.108	0.000	0.522	0.692	0.463

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:14	31.970	385.200	0.000	41.270	108.600	77.670	70.179%	5.235
2	20:50:57	31.150	376.600	0.000	34.780	143.400	87.780	71.227%	5.807
3	20:51:40	31.260	374.300	0.000	33.570	91.980	80.650	71.487%	5.458
x		104.865%	75.738%	0.000	36.541%	114.683%	82.032%	70.964%	109.994%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.692%	n/a
%RSD		1.408	1.517	0.000	11.340	22.890	6.332	0.975	5.243

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:14	1.117	2.245	5.253	60.060	54.850	0.514	1.331	2.149
2	20:50:57	1.008	2.212	5.539	58.420	54.900	0.554	1.134	2.064
3	20:51:40	1.095	2.186	5.132	57.320	57.830	0.574	1.134	1.994
x		107.325%	110.734%	1061.658%	117.199%	111.722%	109.462%	119.990%	103.447%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		5.361	1.329	3.936	2.349	3.060	5.538	9.491	3.769

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:14	2.173	4.136	4.197	0.916	4.598	4.535	0.000	4.782
2	20:50:57	2.219	4.105	3.319	0.957	3.983	4.163	0.000	4.792
3	20:51:40	2.384	4.401	3.890	1.177	4.260	4.739	0.000	4.861
x		112.934%	84.282%	76.039%	101.694%	85.606%	89.582%	0.000	96.232%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		4.915	3.865	11.720	13.820	7.193	6.512	0.000	0.899

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:14	78.180%	4.948	4.926	77.159%	1.004	1.067	1.052	0.946
2	20:50:57	79.445%	5.160	5.119	78.589%	1.050	1.023	0.883	0.978
3	20:51:40	80.996%	5.147	5.047	79.272%	1.077	0.983	0.767	0.954
x		79.540%	101.697%	100.618%	78.340%	104.348%	102.429%	90.070%	95.928%
σ		1.410%	n/a	n/a	1.078%	n/a	n/a	n/a	n/a
%RSD		1.773	2.337	1.939	1.376	3.548	4.083	15.920	1.707

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:14	78.418%	4.873	1.850	1.933	10.050	9.820	78.797%	79.952%
2	20:50:57	79.482%	5.431	1.963	1.987	10.570	10.110	80.352%	81.373%
3	20:51:40	80.311%	5.400	1.978	1.929	9.640	9.945	82.369%	82.318%
x		79.404%	104.696%	96.508%	97.478%	100.869%	99.600%	80.506%	81.214%
σ		0.949%	n/a	n/a	n/a	n/a	n/a	1.791%	1.191%
%RSD		1.195	5.986	3.618	1.664	4.596	1.481	2.225	1.466

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:14	0.999	1.026	1.014	1.002	1.030	75.048%
2	20:50:57	1.042	0.983	1.075	1.017	1.014	77.000%
3	20:51:40	0.951	0.996	1.034	1.049	1.008	77.768%
x		99.727%	100.150%	104.091%	102.270%	101.729%	76.605%
σ		n/a	n/a	n/a	n/a	n/a	1.402%
%RSD		4.578	2.209	2.980	2.390	1.113	1.830

CRI 787357 4/12/2013 8:57:47 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:30	90.620%	0.827	4.130	4.661	0.000	192.500	89.210	92.150
2	20:59:13	91.687%	0.893	4.630	4.670	0.000	191.200	88.120	91.710
3	20:59:56	91.694%	0.802	5.180	4.353	0.000	197.300	91.760	91.280
x		91.333%	84.076%	92.932%	91.220%	0.000	193.687%	89.699%	91.712%
σ		0.618%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.677	5.613	11.300	3.958	0.000	1.668	2.080	0.475
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:30	29.340	286.000	0.000	19.460	65.640	66.150	75.653%	5.179
2	20:59:13	28.820	291.200	0.000	17.200	109.600	59.050	75.951%	5.359
3	20:59:56	28.530	296.200	0.000	17.210	186.800	66.070	76.401%	4.484
x		96.317%	58.222%	0.000	17.959%	120.674%	63.756%	76.002%	100.146%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.376%	n/a
%RSD		1.407	1.745	0.000	7.257	50.830	6.394	0.495	9.235
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:30	0.901	2.107	4.958	54.720	49.500	0.531	0.990	2.165
2	20:59:13	0.894	2.140	5.208	55.110	50.280	0.502	0.875	2.112
3	20:59:56	0.944	2.067	5.157	54.200	44.640	0.548	1.275	1.888
x		91.314%	105.224%	1021.547%	109.356%	96.278%	105.408%	104.677%	102.748%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.908	1.740	2.582	0.842	6.346	4.329	19.650	7.164
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:30	1.983	4.150	4.416	1.104	3.997	5.341	0.000	4.913
2	20:59:13	1.926	3.827	4.006	1.087	4.839	5.286	0.000	5.083
3	20:59:56	1.951	3.715	4.142	1.234	4.770	7.410	0.000	4.956
x		97.669%	77.946%	83.764%	114.189%	90.700%	120.246%	0.000	99.680%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.477	5.793	4.985	7.043	10.300	20.140	0.000	1.778
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:30	76.915%	5.058	4.680	77.266%	1.088	0.978	1.041	0.955
2	20:59:13	78.286%	4.843	4.892	77.721%	0.979	1.057	0.937	0.954
3	20:59:56	78.534%	5.069	5.229	79.118%	1.026	0.967	1.088	1.162
x		77.911%	99.804%	98.677%	78.035%	103.091%	100.061%	102.191%	102.361%
σ		0.872%	n/a	n/a	0.965%	n/a	n/a	n/a	n/a
%RSD		1.119	2.556	5.603	1.237	5.279	4.879	7.545	11.730
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:30	77.060%	5.115	1.881	2.016	11.620	10.210	78.797%	78.450%
2	20:59:13	78.595%	5.002	1.942	2.061	9.954	9.608	80.572%	80.405%
3	20:59:56	80.393%	5.256	2.021	2.007	10.130	9.786	82.027%	81.773%
x		78.683%	102.486%	97.394%	101.411%	105.700%	98.668%	80.465%	80.209%
σ		1.668%	n/a	n/a	n/a	n/a	n/a	1.618%	1.670%
%RSD		2.120	2.492	3.589	1.430	8.676	3.112	2.010	2.082
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:58:30	1.002	1.026	1.026	1.043	1.032	74.756%		
2	20:59:13	1.004	1.003	1.021	1.005	1.020	76.786%		
3	20:59:56	0.986	1.041	1.017	0.964	0.976	77.870%		
x		99.705%	102.332%	102.119%	100.399%	100.935%	76.471%		
σ		n/a	n/a	n/a	n/a	n/a	1.581%		
%RSD		0.961	1.865	0.418	3.912	2.914	2.067		

CCV 781130 4/12/2013 9:06:03 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:46	76.348%	103.500	96.290	95.540	0.000	51340.000	52190.000	52720.000
2	21:07:28	76.455%	104.000	99.850	103.000	0.000	51340.000	51460.000	51940.000
3	21:08:12	76.697%	104.600	103.800	101.000	0.000	51830.000	52140.000	52410.000
x		76.500%	104.041%	99.977%	99.853%	0.000	103.006%	103.858%	104.716%
σ		0.179%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.234	0.542	3.750	3.876	0.000	0.552	0.778	0.753

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:46	526.300	5003.000	0.000	53320.000	51770.000	50310.000	73.023%	98.820
2	21:07:28	526.400	4944.000	0.000	52140.000	51700.000	49970.000	74.748%	102.300
3	21:08:12	531.000	5011.000	0.000	53070.000	52300.000	50980.000	74.413%	103.800
x		105.578%	99.714%	0.000	105.687%	103.847%	100.841%	74.061%	101.658%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.915%	n/a
%RSD		0.506	0.733	0.000	1.172	0.637	1.023	1.235	2.522

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:46	104.400	104.600	525.200	27100.000	26360.000	105.500	106.300	106.000
2	21:07:28	104.600	104.200	519.200	26440.000	25970.000	105.100	105.200	106.100
3	21:08:12	105.300	106.600	530.100	26950.000	26660.000	108.000	106.400	107.400
x		104.724%	105.114%	104.971%	107.317%	105.327%	106.207%	105.971%	106.506%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.447	1.215	1.042	1.303	1.328	1.471	0.634	0.743

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:46	106.400	104.500	103.800	102.000	102.700	101.600	0.000	105.300
2	21:07:28	105.900	102.200	103.300	104.600	102.500	103.200	0.000	104.700
3	21:08:12	109.200	104.500	105.200	107.700	103.800	107.600	0.000	106.400
x		107.161%	103.725%	104.102%	104.761%	103.011%	104.160%	0.000	105.481%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.658	1.312	0.934	2.745	0.687	2.988	0.000	0.826

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:46	73.364%	103.800	104.700	71.568%	105.800	105.500	104.900	105.000
2	21:07:28	74.650%	105.700	107.400	73.974%	105.600	104.600	102.600	104.400
3	21:08:12	74.847%	108.100	107.700	73.904%	105.900	107.100	105.800	104.900
x		74.287%	105.877%	106.611%	73.149%	105.771%	105.754%	104.453%	104.798%
σ		0.805%	n/a	n/a	1.369%	n/a	n/a	n/a	n/a
%RSD		1.084	2.034	1.545	1.872	0.115	1.206	1.569	0.315

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:46	72.644%	102.800	103.800	102.900	106.200	107.400	74.677%	75.862%
2	21:07:28	75.716%	102.300	103.000	102.900	105.900	104.800	78.008%	78.899%
3	21:08:12	76.146%	103.600	104.100	103.900	107.700	106.600	77.911%	79.202%
x		74.835%	102.859%	103.657%	103.231%	106.611%	106.249%	76.866%	77.988%
σ		1.910%	n/a	n/a	n/a	n/a	n/a	1.896%	1.847%
%RSD		2.552	0.635	0.558	0.590	0.883	1.244	2.466	2.368

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:46	105.300	105.900	105.000	104.300	105.300	70.718%
2	21:07:28	106.400	106.200	106.200	106.600	106.700	72.604%
3	21:08:12	105.700	106.000	106.100	106.700	106.500	73.337%
x		105.833%	106.036%	105.781%	105.867%	106.151%	72.219%
σ		n/a	n/a	n/a	n/a	n/a	1.351%
%RSD		0.514	0.159	0.617	1.307	0.727	1.871

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:29	117.483%	0.002	0.053	0.271	0.000	44.370	2.219	2.460
2	21:17:12	115.898%	-0.009	0.065	0.285	0.000	58.640	6.668	8.004
3	21:17:55	120.807%	0.013	0.153	0.333	0.000	55.080	9.294	9.665
x		118.063%	0.002	0.091	0.296	0.000	52.700	6.060	6.709
σ		2.505%	0.011	0.054	0.033	0.000	7.426	3.576	3.773
%RSD		2.122	516.000	59.940	11.070	0.000	14.090	59.010	56.230

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:29	-1.085	-221.200	0.000	-73.390	-3.423	-38.470	83.261%	-0.012
2	21:17:12	-0.864	-206.200	0.000	-68.920	9.194	-10.330	82.066%	0.020
3	21:17:55	-0.619	-217.700	0.000	-71.200	20.680	-27.990	84.869%	0.018
x		-0.856	-215.000	0.000	-71.170	8.817	-25.590	83.399%	0.009
σ		0.233	7.844	0.000	2.235	12.060	14.220	1.406%	0.018
%RSD		27.260	3.648	0.000	3.140	136.700	55.550	1.686	207.100

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:29	0.079	0.147	0.057	-1.594	1.989	-0.008	0.029	-0.088
2	21:17:12	-0.003	0.087	0.136	1.136	2.841	0.004	0.118	-0.063
3	21:17:55	0.016	0.140	0.191	1.878	5.536	0.025	-0.023	-0.070
x		0.031	0.125	0.128	0.473	3.455	0.007	0.041	-0.074
σ		0.043	0.033	0.067	1.828	1.851	0.016	0.071	0.013
%RSD		138.300	26.310	52.420	386.400	53.580	235.100	171.700	17.530

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:29	-0.085	-1.040	-1.081	-0.251	-1.315	-1.274	0.000	0.007
2	21:17:12	-0.027	-1.106	-1.020	0.007	-0.640	-0.296	0.000	0.022
3	21:17:55	-0.033	-1.172	-0.958	-0.148	-1.055	-1.077	0.000	0.030
x		-0.048	-1.106	-1.020	-0.131	-1.003	-0.882	0.000	0.020
σ		0.032	0.066	0.061	0.130	0.340	0.517	0.000	0.012
%RSD		66.000	5.973	6.014	99.080	33.930	58.640	0.000	57.770

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:29	85.853%	0.154	0.224	89.091%	0.010	-0.007	0.004	0.003
2	21:17:12	86.054%	0.195	0.252	88.950%	-0.002	0.023	-0.039	-0.036
3	21:17:55	89.179%	0.173	0.137	92.572%	0.015	0.019	0.076	0.039
x		87.029%	0.174	0.204	90.205%	0.008	0.012	0.014	0.002
σ		1.865%	0.020	0.060	2.052%	0.009	0.016	0.058	0.037
%RSD		2.143	11.740	29.270	2.274	109.900	136.100	420.600	1770.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:29	88.808%	0.003	-0.026	-0.021	0.018	0.011	90.184%	89.310%
2	21:17:12	88.510%	-0.012	-0.001	-0.024	0.007	0.043	89.975%	90.976%
3	21:17:55	92.235%	0.023	-0.008	-0.007	0.027	0.016	92.381%	93.585%
x		89.851%	0.004	-0.012	-0.017	0.017	0.023	90.847%	91.290%
σ		2.070%	0.018	0.013	0.009	0.010	0.017	1.333%	2.155%
%RSD		2.304	402.400	111.000	52.360	58.920	73.860	1.467	2.361

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:29	0.018	0.031	0.002	-0.013	-0.003	84.503%
2	21:17:12	0.027	0.027	0.022	0.007	0.014	84.873%
3	21:17:55	0.018	0.020	0.019	0.013	0.017	87.030%
x		0.021	0.026	0.015	0.002	0.009	85.469%
σ		0.005	0.005	0.011	0.013	0.011	1.365%
%RSD		24.530	19.980	76.450	587.400	117.100	1.597

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:46	66.421%	5.232	35.470	34.090	0.000	571.600	13670.000	13820.000
2	21:25:28	68.210%	4.551	34.770	32.770	0.000	550.800	12960.000	13120.000
3	21:26:12	69.045%	4.402	34.700	33.330	0.000	552.500	13360.000	13400.000
x		67.892%	4.728	34.980	33.400	0.000	558.300	13330.000	13450.000
σ		1.341%	0.443	0.424	0.662	0.000	11.540	355.100	348.900
%RSD		1.975	9.365	1.213	1.981	0.000	2.066	2.664	2.595

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:46	92150.000	15470.000	0.000	9303.000	5530.000	5163.000	71.707%	1125.000
2	21:25:28	86540.000	14390.000	0.000	8686.000	5270.000	4886.000	74.807%	1059.000
3	21:26:12	88320.000	14620.000	0.000	8846.000	5285.000	4999.000	74.581%	1083.000
x		89000.000	14830.000	0.000	8945.000	5362.000	5016.000	73.698%	1089.000
σ		2865.000	566.500	0.000	320.500	146.000	139.300	1.728%	33.360
%RSD		3.219	3.821	0.000	3.582	2.722	2.777	2.345	3.064

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:46	171.500	99.960	4443.000	138500.000	141600.000	89.270	109.600	87.190
2	21:25:28	163.000	95.000	4136.000	129600.000	131800.000	83.760	104.000	82.550
3	21:26:12	166.300	97.900	4279.000	132900.000	134400.000	85.670	106.300	83.990
x		167.000	97.620	4286.000	133700.000	135900.000	86.230	106.600	84.580
σ		4.301	2.495	153.900	4505.000	5101.000	2.797	2.820	2.377
%RSD		2.576	2.556	3.590	3.370	3.752	3.243	2.644	2.810

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:46	87.700	456.200	457.400	1375.000	3.236	4.372	0.000	677.700
2	21:25:28	81.370	424.800	430.100	1304.000	2.910	4.340	0.000	643.000
3	21:26:12	83.720	439.100	444.500	1332.000	2.904	2.993	0.000	662.500
x		84.260	440.000	444.000	1337.000	3.017	3.902	0.000	661.000
σ		3.200	15.720	13.640	36.010	0.190	0.787	0.000	17.400
%RSD		3.798	3.573	3.072	2.693	6.284	20.180	0.000	2.632

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:46	0.000	726.800	718.700	70.796%	0.424	0.386	2.733	2.335
2	21:25:28	0.000	686.200	681.200	75.396%	0.391	0.362	2.570	2.317
3	21:26:12	0.000	701.700	703.000	74.839%	0.366	0.389	2.079	2.058
x		0.000	704.900	701.000	73.677%	0.394	0.379	2.460	2.237
σ		0.000	20.500	18.800	2.510%	0.029	0.015	0.341	0.155
%RSD		0.000	2.908	2.682	3.407	7.448	3.886	13.840	6.923

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:46	71.483%	2.826	0.309	0.347	752.000	745.300	78.919%	77.904%
2	21:25:28	76.762%	2.556	0.402	0.335	711.900	703.400	83.962%	83.356%
3	21:26:12	77.407%	2.726	0.357	0.318	728.600	718.700	83.446%	84.026%
x		75.217%	2.703	0.356	0.333	730.800	722.500	82.109%	81.762%
σ		3.250%	0.137	0.047	0.015	20.130	21.170	2.775%	3.358%
%RSD		4.321	5.056	13.080	4.362	2.754	2.930	3.380	4.107

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:46	1.365	1.317	188.000	185.600	186.600	71.572%
2	21:25:28	1.285	1.250	181.400	179.000	180.100	75.175%
3	21:26:12	1.305	1.343	189.100	184.700	186.400	74.849%
x		1.318	1.304	186.100	183.100	184.400	73.866%
σ		0.042	0.048	4.177	3.558	3.693	1.993%
%RSD		3.148	3.677	2.244	1.943	2.003	2.698

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:58	67.392%	3.840	56.700	56.260	0.000	565.500	14850.000	14890.000
2	21:33:41	69.622%	3.684	57.330	57.420	0.000	554.400	14540.000	14570.000
3	21:34:24	69.475%	3.690	55.890	56.070	0.000	562.300	14850.000	14790.000
x		68.830%	3.738	56.640	56.580	0.000	560.800	14750.000	14750.000
σ		1.247%	0.089	0.722	0.733	0.000	5.699	176.100	163.800
%RSD		1.812	2.373	1.275	1.295	0.000	1.016	1.194	1.111

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:58	75110.000	13590.000	0.000	10410.000	11840.000	10580.000	74.189%	922.900
2	21:33:41	73060.000	13200.000	0.000	10200.000	11140.000	10380.000	74.669%	903.400
3	21:34:24	73840.000	13320.000	0.000	10360.000	11480.000	10450.000	75.067%	917.100
x		74000.000	13370.000	0.000	10320.000	11490.000	10470.000	74.642%	914.500
σ		1034.000	199.000	0.000	106.200	348.600	97.030	0.440%	10.020
%RSD		1.397	1.488	0.000	1.028	3.034	0.927	0.590	1.095

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:58	162.600	156.500	2587.000	113400.000	114400.000	47.480	163.300	131.100
2	21:33:41	161.600	155.600	2535.000	111600.000	113200.000	46.990	160.000	129.700
3	21:34:24	165.300	157.300	2578.000	112500.000	114100.000	47.320	158.800	130.200
x		163.200	156.500	2567.000	112500.000	113900.000	47.260	160.700	130.300
σ		1.939	0.857	27.830	913.900	630.500	0.251	2.318	0.725
%RSD		1.188	0.547	1.084	0.812	0.554	0.530	1.442	0.557

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:58	130.400	440.500	451.400	992.000	2.871	5.106	0.000	2797.000
2	21:33:41	130.400	442.200	447.400	983.000	3.966	6.806	0.000	2762.000
3	21:34:24	130.500	446.600	453.500	984.100	2.696	4.676	0.000	2784.000
x		130.400	443.100	450.800	986.400	3.178	5.530	0.000	2781.000
σ		0.061	3.137	3.094	4.933	0.688	1.126	0.000	17.280
%RSD		0.047	0.708	0.686	0.500	21.660	20.360	0.000	0.622

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:58	0.000	656.600	652.900	73.373%	0.557	0.460	2.254	2.114
2	21:33:41	0.000	651.800	642.000	75.551%	0.489	0.466	1.880	1.928
3	21:34:24	0.000	653.400	652.400	75.911%	0.471	0.431	1.954	2.162
x		0.000	653.900	649.100	74.945%	0.506	0.452	2.029	2.068
σ		0.000	2.459	6.130	1.373%	0.045	0.019	0.198	0.123
%RSD		0.000	0.376	0.944	1.833	8.947	4.163	9.748	5.966

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:58	74.357%	3.492	0.728	0.728	414.700	410.100	80.951%	80.296%
2	21:33:41	77.321%	3.166	0.730	0.716	403.400	402.500	83.633%	83.441%
3	21:34:24	78.101%	3.131	0.731	0.770	409.700	405.800	85.253%	84.984%
x		76.593%	3.263	0.730	0.738	409.300	406.100	83.279%	82.907%
σ		1.976%	0.199	0.001	0.028	5.648	3.785	2.173%	2.389%
%RSD		2.579	6.102	0.187	3.816	1.380	0.932	2.609	2.882

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:58	1.148	1.172	273.600	276.300	276.000	73.080%
2	21:33:41	1.087	1.134	268.000	271.800	271.500	75.851%
3	21:34:24	1.074	1.123	270.300	273.300	274.300	76.805%
x		1.103	1.143	270.600	273.800	273.900	75.245%
σ		0.039	0.025	2.823	2.255	2.234	1.935%
%RSD		3.544	2.223	1.043	0.824	0.816	2.571

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:10	69.999%	1.627	57.210	58.500	0.000	398.600	6435.000	6449.000
2	21:41:53	72.045%	1.070	61.340	58.890	0.000	390.500	6309.000	6282.000
3	21:42:36	71.389%	1.425	66.820	58.690	0.000	412.200	6489.000	6537.000
x		71.144%	1.374	61.790	58.690	0.000	400.500	6411.000	6422.000
σ		1.045%	0.282	4.818	0.192	0.000	10.950	92.720	129.500
%RSD		1.468	20.500	7.798	0.328	0.000	2.735	1.446	2.017
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:10	26310.000	10450.000	0.000	5389.000	27940.000	26850.000	73.810%	499.000
2	21:41:53	25550.000	10000.000	0.000	5207.000	26890.000	26270.000	74.892%	475.900
3	21:42:36	26500.000	10350.000	0.000	5445.000	28800.000	27320.000	73.674%	498.100
x		26120.000	10270.000	0.000	5347.000	27880.000	26810.000	74.125%	491.000
σ		502.200	236.800	0.000	124.100	956.000	524.400	0.667%	13.100
%RSD		1.923	2.307	0.000	2.322	3.429	1.956	0.900	2.668
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:10	86.270	86.680	1876.000	98680.000	97170.000	27.670	106.200	84.160
2	21:41:53	83.520	83.900	1756.000	96720.000	97400.000	27.810	106.700	82.350
3	21:42:36	87.320	88.720	1990.000	99900.000	99550.000	28.440	109.800	85.540
x		85.700	86.430	1874.000	98430.000	98040.000	27.970	107.600	84.020
σ		1.962	2.419	116.900	1603.000	1315.000	0.411	1.955	1.601
%RSD		2.289	2.798	6.239	1.629	1.342	1.468	1.817	1.905
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:10	83.890	265.100	266.700	1554.000	5.220	5.045	0.000	2400.000
2	21:41:53	82.980	260.700	261.200	1527.000	4.566	4.945	0.000	2329.000
3	21:42:36	87.360	270.800	279.100	1604.000	5.108	5.908	0.000	2439.000
x		84.740	265.500	269.000	1562.000	4.965	5.300	0.000	2389.000
σ		2.312	5.043	9.160	39.070	0.350	0.529	0.000	55.650
%RSD		2.728	1.899	3.405	2.502	7.041	9.988	0.000	2.329
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:10	0.000	637.400	634.800	74.415%	0.387	0.329	2.209	1.522
2	21:41:53	0.000	627.500	623.300	77.115%	0.465	0.363	1.513	1.623
3	21:42:36	0.000	653.000	650.700	75.676%	0.401	0.398	2.135	1.602
x		0.000	639.300	636.300	75.735%	0.417	0.363	1.952	1.582
σ		0.000	12.830	13.760	1.351%	0.042	0.034	0.382	0.053
%RSD		0.000	2.007	2.162	1.784	10.060	9.437	19.570	3.370
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:10	76.004%	4.507	1.896	1.803	183.200	183.600	80.524%	80.308%
2	21:41:53	79.665%	4.585	1.753	1.652	179.400	179.200	84.076%	84.079%
3	21:42:36	78.788%	4.894	1.838	1.924	185.900	186.500	83.838%	84.021%
x		78.152%	4.662	1.829	1.793	182.800	183.100	82.813%	82.803%
σ		1.912%	0.204	0.072	0.137	3.278	3.701	1.986%	2.161%
%RSD		2.446	4.385	3.955	7.625	1.793	2.021	2.398	2.610
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:41:10	1.526	1.634	283.800	282.400	283.100	74.546%		
2	21:41:53	1.587	1.535	276.300	275.800	276.900	77.473%		
3	21:42:36	1.602	1.610	285.900	286.300	286.000	77.386%		
x		1.572	1.593	282.000	281.500	282.000	76.468%		
σ		0.040	0.052	5.046	5.282	4.699	1.666%		
%RSD		2.558	3.244	1.789	1.876	1.666	2.178		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:23	67.258%	9.835	40.150	42.960	0.000	525.200	16510.000	16610.000
2	21:50:06	67.867%	10.270	45.000	41.280	0.000	538.700	16870.000	16930.000
3	21:50:49	68.868%	10.230	41.330	41.590	0.000	529.700	16670.000	16670.000
x		67.998%	10.110	42.160	41.950	0.000	531.200	16680.000	16740.000
σ		0.813%	0.241	2.525	0.895	0.000	6.874	182.700	169.300
%RSD		1.196	2.386	5.988	2.134	0.000	1.294	1.095	1.011
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:23	124300.000	13690.000	0.000	11310.000	10040.000	9398.000	74.577%	1212.000
2	21:50:06	125200.000	13820.000	0.000	11460.000	10240.000	9636.000	74.755%	1243.000
3	21:50:49	123400.000	13460.000	0.000	11230.000	9552.000	9432.000	76.513%	1210.000
x		124300.000	13660.000	0.000	11330.000	9942.000	9488.000	75.282%	1222.000
σ		909.300	179.400	0.000	118.200	352.800	128.700	1.070%	18.970
%RSD		0.731	1.313	0.000	1.043	3.549	1.357	1.421	1.553
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:23	265.300	133.900	36430.000	282800.000	286100.000	242.700	165.900	91.470
2	21:50:06	272.900	136.300	36870.000	285400.000	291500.000	249.800	168.700	94.000
3	21:50:49	268.100	134.700	36040.000	280100.000	285300.000	243.900	163.700	92.390
x		268.800	135.000	36450.000	282800.000	287700.000	245.500	166.100	92.620
σ		3.798	1.269	412.700	2665.000	3393.000	3.805	2.510	1.279
%RSD		1.413	0.941	1.132	0.943	1.180	1.550	1.511	1.380
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:23	92.380	553.700	563.200	2400.000	6.434	6.643	0.000	1304.000
2	21:50:06	96.010	566.600	573.300	2446.000	6.027	7.703	0.000	1330.000
3	21:50:49	93.140	563.000	570.500	2442.000	6.185	8.743	0.000	1324.000
x		93.840	561.100	569.000	2429.000	6.215	7.696	0.000	1319.000
σ		1.915	6.664	5.237	25.220	0.205	1.050	0.000	13.940
%RSD		2.040	1.188	0.920	1.038	3.302	13.640	0.000	1.057
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:23	0.000	1519.000	1529.000	72.970%	0.504	0.403	3.118	2.974
2	21:50:06	0.000	1559.000	1558.000	74.582%	0.476	0.423	3.536	2.949
3	21:50:49	0.000	1555.000	1555.000	75.617%	0.434	0.329	3.460	3.317
x		0.000	1544.000	1548.000	74.389%	0.471	0.385	3.371	3.080
σ		0.000	22.430	16.090	1.334%	0.035	0.050	0.222	0.206
%RSD		0.000	1.452	1.040	1.793	7.414	13.000	6.596	6.674
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:23	76.048%	3.224	0.465	0.398	1563.000	1539.000	84.897%	83.832%
2	21:50:06	77.746%	3.204	0.435	0.344	1604.000	1577.000	86.982%	86.446%
3	21:50:49	78.460%	3.226	0.460	0.436	1585.000	1562.000	89.038%	87.503%
x		77.418%	3.218	0.454	0.393	1584.000	1559.000	86.972%	85.927%
σ		1.239%	0.012	0.016	0.046	20.160	19.070	2.071%	1.890%
%RSD		1.600	0.387	3.552	11.800	1.273	1.223	2.381	2.199
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:49:23	1.953	1.889	273.600	268.400	270.900	74.145%		
2	21:50:06	1.906	1.957	280.400	275.700	278.100	75.968%		
3	21:50:49	1.934	1.895	278.900	273.700	276.000	77.328%		
x		1.931	1.914	277.600	272.600	275.000	75.814%		
σ		0.024	0.038	3.591	3.762	3.680	1.597%		
%RSD		1.235	1.965	1.293	1.380	1.338	2.106		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:36	68.879%	5.837	59.650	56.000	0.000	1381.000	23680.000	23730.000
2	21:58:19	70.063%	6.066	60.330	56.130	0.000	1386.000	24090.000	24060.000
3	21:59:02	70.393%	5.592	58.010	58.980	0.000	1383.000	23880.000	23850.000
x		69.778%	5.832	59.330	57.040	0.000	1383.000	23880.000	23880.000
σ		0.796%	0.237	1.192	1.687	0.000	2.608	206.100	166.900
%RSD		1.141	4.064	2.008	2.958	0.000	0.189	0.863	0.699

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:36	108600.000	19120.000	0.000	12890.000	8700.000	8615.000	77.226%	1052.000
2	21:58:19	108800.000	19160.000	0.000	12940.000	9040.000	8802.000	78.626%	1061.000
3	21:59:02	107900.000	18850.000	0.000	12760.000	8871.000	8737.000	79.503%	1050.000
x		108400.000	19040.000	0.000	12870.000	8870.000	8718.000	78.452%	1054.000
σ		455.800	164.000	0.000	93.280	169.900	95.190	1.149%	6.148
%RSD		0.420	0.861	0.000	0.725	1.916	1.092	1.464	0.583

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:36	174.600	142.900	6564.000	265300.000	270300.000	136.100	237.700	172.200
2	21:58:19	179.200	145.900	6577.000	264000.000	268800.000	137.200	235.300	174.000
3	21:59:02	174.600	143.300	6483.000	261500.000	265800.000	136.400	238.000	172.900
x		176.100	144.000	6541.000	263600.000	268300.000	136.600	237.000	173.000
σ		2.629	1.624	51.040	1947.000	2265.000	0.570	1.514	0.917
%RSD		1.493	1.127	0.780	0.739	0.844	0.417	0.639	0.530

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:36	173.800	534.800	544.300	210.100	1.659	2.607	0.000	260.400
2	21:58:19	176.800	544.100	538.900	208.400	2.005	4.089	0.000	264.200
3	21:59:02	173.700	532.600	546.000	206.700	1.726	3.220	0.000	263.000
x		174.800	537.200	543.100	208.400	1.797	3.305	0.000	262.500
σ		1.780	6.115	3.682	1.695	0.183	0.744	0.000	1.955
%RSD		1.018	1.138	0.678	0.813	10.200	22.520	0.000	0.745

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:36	0.000	355.800	357.100	74.498%	0.183	0.166	1.585	1.414
2	21:58:19	0.000	359.700	360.700	76.375%	0.225	0.147	1.459	1.203
3	21:59:02	0.000	356.400	355.400	77.249%	0.210	0.173	1.718	1.302
x		0.000	357.300	357.700	76.041%	0.206	0.162	1.587	1.306
σ		0.000	2.097	2.695	1.405%	0.021	0.013	0.130	0.106
%RSD		0.000	0.587	0.753	1.848	10.340	8.227	8.183	8.083

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:36	77.557%	2.747	0.471	0.542	594.800	584.900	87.807%	87.627%
2	21:58:19	78.841%	2.895	0.463	0.495	602.500	595.000	92.063%	90.763%
3	21:59:02	80.427%	2.929	0.447	0.491	595.700	586.800	92.874%	91.160%
x		78.942%	2.857	0.460	0.509	597.700	588.900	90.914%	89.850%
σ		1.438%	0.097	0.012	0.029	4.200	5.365	2.722%	1.936%
%RSD		1.821	3.386	2.669	5.614	0.703	0.911	2.994	2.154

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:36	1.558	1.592	123.800	123.000	123.500	75.058%
2	21:58:19	1.652	1.603	127.500	124.300	126.200	76.870%
3	21:59:02	1.536	1.591	124.600	121.700	123.800	78.803%
x		1.582	1.595	125.300	123.000	124.500	76.911%
σ		0.061	0.007	1.926	1.295	1.488	1.873%
%RSD		3.878	0.433	1.537	1.053	1.195	2.435

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:50	70.605%	2.339	22.820	21.150	0.000	381.800	8815.000	8920.000
2	22:06:33	73.077%	2.449	20.620	20.940	0.000	376.100	8834.000	8819.000
3	22:07:16	73.959%	2.474	19.310	21.100	0.000	364.600	8448.000	8485.000
x		72.547%	2.421	20.920	21.060	0.000	374.200	8699.000	8741.000
σ		1.738%	0.072	1.772	0.112	0.000	8.781	217.300	228.000
%RSD		2.396	2.957	8.470	0.531	0.000	2.347	2.498	2.608

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:50	37720.000	10770.000	0.000	6989.000	2630.000	2486.000	76.864%	342.800
2	22:06:33	37040.000	10520.000	0.000	6942.000	2636.000	2510.000	77.465%	341.800
3	22:07:16	35490.000	10070.000	0.000	6652.000	2379.000	2416.000	78.811%	331.400
x		36750.000	10450.000	0.000	6861.000	2548.000	2471.000	77.713%	338.700
σ		1141.000	355.800	0.000	182.600	146.700	49.140	0.997%	6.299
%RSD		3.104	3.405	0.000	2.661	5.757	1.989	1.283	1.860

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:50	74.900	72.010	4228.000	136200.000	138500.000	68.040	141.100	75.280
2	22:06:33	74.090	72.620	4232.000	136800.000	138800.000	69.810	138.600	75.650
3	22:07:16	71.350	68.740	4069.000	130900.000	132700.000	66.340	136.100	72.540
x		73.440	71.120	4176.000	134600.000	136700.000	68.070	138.600	74.490
σ		1.856	2.082	92.850	3233.000	3464.000	1.732	2.497	1.694
%RSD		2.528	2.928	2.223	2.401	2.535	2.545	1.802	2.274

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:50	75.790	659.100	669.700	156.100	0.035	2.722	0.000	104.800
2	22:06:33	77.250	665.400	670.800	154.700	0.776	1.464	0.000	106.200
3	22:07:16	72.950	639.900	650.100	150.700	-0.158	0.746	0.000	102.100
x		75.330	654.800	663.500	153.800	0.218	1.644	0.000	104.400
σ		2.183	13.280	11.670	2.763	0.493	1.000	0.000	2.093
%RSD		2.898	2.027	1.758	1.796	226.500	60.830	0.000	2.005

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:50	0.000	5.746	5.939	76.322%	0.107	0.075	1.088	1.120
2	22:06:33	0.000	5.529	5.756	77.954%	0.129	0.123	1.389	1.215
3	22:07:16	0.000	5.116	5.370	80.125%	0.124	0.084	1.126	1.044
x		0.000	5.464	5.688	78.134%	0.120	0.094	1.201	1.126
σ		0.000	0.320	0.291	1.908%	0.012	0.025	0.164	0.086
%RSD		0.000	5.862	5.113	2.442	9.619	26.760	13.660	7.628

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:50	77.956%	4.376	0.338	0.370	205.400	203.400	86.235%	85.178%
2	22:06:33	80.547%	4.596	0.358	0.291	207.200	202.200	88.443%	87.928%
3	22:07:16	83.429%	4.248	0.312	0.372	195.300	193.900	90.491%	90.105%
x		80.644%	4.407	0.336	0.344	202.600	199.800	88.390%	87.737%
σ		2.738%	0.176	0.023	0.046	6.435	5.188	2.128%	2.469%
%RSD		3.395	3.992	6.912	13.370	3.176	2.596	2.408	2.814

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:50	0.660	0.591	55.610	55.660	55.840	76.086%
2	22:06:33	0.645	0.602	56.390	55.360	56.130	78.263%
3	22:07:16	0.570	0.588	53.770	52.850	53.520	80.859%
x		0.625	0.593	55.260	54.620	55.160	78.403%
σ		0.048	0.007	1.347	1.542	1.435	2.390%
%RSD		7.696	1.256	2.438	2.823	2.601	3.048

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:04	67.517%	5.320	37.230	41.130	0.000	550.800	27480.000	27350.000
2	22:14:47	69.114%	5.630	42.460	42.560	0.000	547.500	26740.000	26730.000
3	22:15:30	69.365%	5.513	43.220	39.000	0.000	548.800	26790.000	27030.000
x		68.665%	5.488	40.970	40.900	0.000	549.000	27000.000	27040.000
σ		1.002%	0.156	3.262	1.790	0.000	1.687	411.400	307.600
%RSD		1.460	2.847	7.963	4.376	0.000	0.307	1.524	1.138

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:04	112100.000	17950.000	0.000	11970.000	12560.000	12480.000	78.492%	1010.000
2	22:14:47	109400.000	17350.000	0.000	11660.000	12740.000	12080.000	79.705%	992.500
3	22:15:30	110100.000	17500.000	0.000	11840.000	12860.000	12240.000	79.787%	1003.000
x		110500.000	17600.000	0.000	11830.000	12720.000	12270.000	79.328%	1002.000
σ		1390.000	313.400	0.000	153.700	152.500	200.300	0.725%	8.758
%RSD		1.258	1.781	0.000	1.300	1.199	1.633	0.914	0.874

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:04	170.900	150.400	3555.000	260900.000	266100.000	92.490	244.100	219.900
2	22:14:47	170.100	148.700	3497.000	255300.000	260800.000	90.690	236.700	218.500
3	22:15:30	171.800	149.300	3534.000	256200.000	261500.000	91.760	239.700	218.200
x		170.900	149.500	3528.000	257500.000	262800.000	91.650	240.200	218.900
σ		0.869	0.828	29.280	3038.000	2882.000	0.905	3.705	0.952
%RSD		0.509	0.554	0.830	1.180	1.096	0.988	1.543	0.435

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:04	223.600	605.300	617.600	157.600	1.149	2.015	0.000	82.340
2	22:14:47	219.600	605.000	609.700	155.000	1.817	2.379	0.000	82.710
3	22:15:30	223.100	614.100	625.600	157.200	1.451	3.819	0.000	83.130
x		222.100	608.100	617.600	156.600	1.472	2.738	0.000	82.720
σ		2.179	5.199	7.970	1.427	0.335	0.954	0.000	0.395
%RSD		0.981	0.855	1.290	0.911	22.740	34.840	0.000	0.478

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:04	0.000	8.253	8.646	75.049%	0.244	0.172	1.763	1.315
2	22:14:47	0.000	7.959	7.946	77.156%	0.245	0.178	1.539	1.237
3	22:15:30	0.000	7.913	8.357	77.657%	0.260	0.175	1.645	1.252
x		0.000	8.042	8.316	76.621%	0.250	0.175	1.649	1.268
σ		0.000	0.185	0.352	1.384%	0.009	0.003	0.112	0.041
%RSD		0.000	2.294	4.233	1.807	3.501	1.752	6.774	3.269

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:04	77.525%	2.458	0.449	0.429	596.300	583.600	89.352%	87.656%
2	22:14:47	80.191%	2.344	0.358	0.327	586.400	578.000	92.089%	91.200%
3	22:15:30	80.593%	2.506	0.484	0.350	594.100	586.800	93.074%	91.914%
x		79.436%	2.436	0.430	0.369	592.300	582.800	91.505%	90.256%
σ		1.667%	0.083	0.065	0.053	5.195	4.449	1.929%	2.281%
%RSD		2.099	3.421	15.170	14.400	0.877	0.763	2.108	2.527

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:04	1.613	1.565	136.200	136.300	136.100	75.366%
2	22:14:47	1.565	1.553	133.600	132.500	133.600	78.616%
3	22:15:30	1.675	1.630	137.300	136.000	136.800	78.884%
x		1.618	1.583	135.700	134.900	135.500	77.622%
σ		0.055	0.041	1.867	2.125	1.690	1.959%
%RSD		3.391	2.603	1.376	1.575	1.247	2.523

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:18	69.934%	2.966	145.200	139.600	0.000	3165.000	11760.000	11830.000
2	22:23:01	68.221%	2.953	156.300	146.300	0.000	3229.000	12010.000	12040.000
3	22:23:44	71.667%	2.949	148.300	141.300	0.000	3048.000	11490.000	11490.000
x		69.941%	2.956	149.900	142.400	0.000	3147.000	11760.000	11780.000
σ		1.723%	0.009	5.736	3.477	0.000	91.680	260.700	276.000
%RSD		2.463	0.299	3.826	2.442	0.000	2.913	2.217	2.342

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:18	65020.000	12670.000	0.000	22200.000	678.300	646.300	75.405%	662.900
2	22:23:01	65950.000	12850.000	0.000	22140.000	665.200	625.400	76.663%	664.400
3	22:23:44	62990.000	12100.000	0.000	21320.000	665.600	633.800	77.622%	644.900
x		64660.000	12540.000	0.000	21880.000	669.700	635.200	76.563%	657.400
σ		1513.000	391.800	0.000	490.700	7.475	10.550	1.112%	10.880
%RSD		2.340	3.125	0.000	2.242	1.116	1.660	1.453	1.654

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:18	116.900	98.060	4403.000	202900.000	206500.000	98.370	160.100	97.480
2	22:23:01	114.700	98.750	4434.000	202600.000	205700.000	99.420	159.700	98.580
3	22:23:44	112.700	96.280	4266.000	194300.000	199000.000	96.530	156.100	94.350
x		114.800	97.690	4368.000	200000.000	203700.000	98.110	158.600	96.800
σ		2.116	1.276	89.290	4872.000	4154.000	1.464	2.201	2.199
%RSD		1.843	1.306	2.044	2.436	2.039	1.493	1.387	2.272

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:18	99.740	273.300	275.700	272.800	1.545	1.766	0.000	85.660
2	22:23:01	99.940	270.900	279.900	275.800	1.436	2.794	0.000	86.310
3	22:23:44	94.070	265.300	267.600	262.700	1.013	2.296	0.000	83.060
x		97.920	269.800	274.400	270.400	1.331	2.285	0.000	85.010
σ		3.330	4.132	6.236	6.828	0.281	0.514	0.000	1.718
%RSD		3.401	1.532	2.273	2.525	21.100	22.500	0.000	2.021

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:18	0.000	1751.000	1734.000	74.225%	0.193	0.113	1.266	1.059
2	22:23:01	0.000	1772.000	1768.000	75.887%	0.177	0.075	1.073	0.957
3	22:23:44	0.000	1704.000	1694.000	77.939%	0.163	0.078	1.025	0.966
x		0.000	1742.000	1732.000	76.017%	0.178	0.089	1.121	0.994
σ		0.000	34.670	37.070	1.861%	0.015	0.021	0.128	0.057
%RSD		0.000	1.990	2.141	2.448	8.218	23.810	11.390	5.697

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:18	75.947%	3.849	0.578	0.574	314.800	310.100	83.212%	83.593%
2	22:23:01	78.752%	3.872	0.661	0.643	313.100	311.300	85.863%	87.137%
3	22:23:44	80.476%	3.838	0.603	0.510	300.400	296.700	90.155%	90.068%
x		78.392%	3.853	0.614	0.576	309.400	306.100	86.410%	86.933%
σ		2.286%	0.017	0.043	0.066	7.870	8.101	3.504%	3.242%
%RSD		2.916	0.452	6.942	11.500	2.543	2.647	4.055	3.730

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:18	1.201	1.216	87.890	86.070	87.220	74.656%
2	22:23:01	1.286	1.280	89.850	89.030	89.280	76.529%
3	22:23:44	1.172	1.245	85.970	85.600	85.900	79.010%
x		1.220	1.247	87.900	86.900	87.470	76.732%
σ		0.059	0.032	1.939	1.860	1.703	2.184%
%RSD		4.877	2.600	2.205	2.140	1.947	2.846

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:32	70.068%	4.492	27.540	30.470	0.000	1361.000	17580.000	17650.000
2	22:31:15	70.239%	4.360	31.030	33.120	0.000	1380.000	17760.000	17800.000
3	22:31:58	70.967%	4.218	31.300	30.290	0.000	1340.000	17330.000	17340.000
x		70.425%	4.357	29.960	31.290	0.000	1361.000	17560.000	17600.000
σ		0.477%	0.137	2.098	1.584	0.000	19.770	216.200	235.800
%RSD		0.677	3.138	7.004	5.063	0.000	1.453	1.231	1.340
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:32	78720.000	14990.000	0.000	9260.000	3861.000	3556.000	75.768%	788.600
2	22:31:15	78980.000	14860.000	0.000	9184.000	3641.000	3622.000	77.171%	788.700
3	22:31:58	76190.000	14220.000	0.000	8904.000	3621.000	3419.000	78.107%	763.400
x		77960.000	14690.000	0.000	9116.000	3707.000	3532.000	77.015%	780.200
σ		1545.000	411.400	0.000	187.900	133.100	103.300	1.177%	14.600
%RSD		1.982	2.801	0.000	2.062	3.590	2.924	1.528	1.871
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:32	135.900	116.000	3522.000	187000.000	190500.000	95.430	175.400	117.100
2	22:31:15	135.500	115.300	3519.000	185400.000	189200.000	94.900	173.000	116.300
3	22:31:58	130.200	111.700	3399.000	180800.000	184700.000	92.250	167.400	113.700
x		133.800	114.300	3480.000	184400.000	188100.000	94.190	171.900	115.700
σ		3.183	2.299	70.020	3207.000	3055.000	1.706	4.056	1.773
%RSD		2.378	2.011	2.012	1.739	1.624	1.811	2.359	1.533
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:32	117.600	965.000	968.600	192.200	1.502	3.493	0.000	48.320
2	22:31:15	116.500	964.000	979.900	190.900	1.706	3.128	0.000	49.300
3	22:31:58	114.700	939.500	956.200	185.800	1.614	3.559	0.000	47.970
x		116.300	956.200	968.300	189.600	1.607	3.394	0.000	48.530
σ		1.424	14.450	11.860	3.417	0.102	0.232	0.000	0.688
%RSD		1.225	1.511	1.225	1.802	6.349	6.838	0.000	1.418
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:32	0.000	11.510	11.850	74.684%	0.163	0.100	2.027	1.677
2	22:31:15	0.000	11.680	11.260	76.063%	0.146	0.080	2.270	1.775
3	22:31:58	0.000	10.850	11.080	78.132%	0.156	0.084	1.788	1.703
x		0.000	11.350	11.400	76.293%	0.155	0.088	2.028	1.718
σ		0.000	0.442	0.404	1.735%	0.008	0.010	0.241	0.051
%RSD		0.000	3.893	3.541	2.274	5.185	11.880	11.900	2.958
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:32	76.338%	3.354	0.339	0.414	363.600	360.000	85.464%	84.804%
2	22:31:15	78.970%	3.485	0.388	0.329	367.200	358.700	88.798%	88.157%
3	22:31:58	80.834%	3.273	0.315	0.357	355.500	348.500	90.141%	90.672%
x		78.714%	3.371	0.347	0.367	362.100	355.700	88.134%	87.877%
σ		2.259%	0.107	0.037	0.044	6.005	6.266	2.408%	2.944%
%RSD		2.870	3.175	10.720	11.900	1.658	1.761	2.732	3.350
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:30:32	1.154	1.198	80.180	78.080	78.850	74.501%		
2	22:31:15	1.159	1.178	79.610	77.050	78.720	76.756%		
3	22:31:58	1.203	1.119	76.020	75.490	76.020	79.721%		
x		1.172	1.165	78.600	76.870	77.860	76.992%		
σ		0.027	0.041	2.256	1.305	1.594	2.618%		
%RSD		2.287	3.527	2.870	1.698	2.047	3.400		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:43	69.533%	4.427	21.760	21.470	0.000	500.300	12000.000	12040.000
2	22:39:26	71.304%	3.383	23.280	21.860	0.000	494.200	11800.000	11950.000
3	22:40:09	73.822%	3.158	20.950	21.780	0.000	469.400	11250.000	11340.000
x		71.553%	3.656	22.000	21.710	0.000	488.000	11690.000	11780.000
σ		2.155%	0.677	1.185	0.206	0.000	16.410	389.400	379.600
%RSD		3.012	18.520	5.385	0.947	0.000	3.362	3.332	3.223

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:43	78120.000	14730.000	0.000	6805.000	5786.000	5572.000	75.629%	770.400
2	22:39:26	76080.000	14270.000	0.000	6625.000	5644.000	5528.000	77.380%	762.700
3	22:40:09	72470.000	13510.000	0.000	6339.000	5677.000	5385.000	79.532%	735.600
x		75560.000	14170.000	0.000	6589.000	5702.000	5495.000	77.514%	756.200
σ		2863.000	615.700	0.000	235.200	74.410	97.870	1.955%	18.310
%RSD		3.790	4.344	0.000	3.569	1.305	1.781	2.522	2.421

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:43	139.100	96.940	14640.000	171500.000	173800.000	232.000	271.300	93.710
2	22:39:26	136.800	97.160	14390.000	167500.000	171000.000	225.700	265.700	92.640
3	22:40:09	134.100	92.560	13900.000	161300.000	164900.000	218.400	253.600	88.800
x		136.700	95.560	14310.000	166700.000	169900.000	225.300	263.500	91.720
σ		2.507	2.594	377.700	5136.000	4588.000	6.810	9.035	2.584
%RSD		1.834	2.714	2.639	3.080	2.700	3.022	3.429	2.817

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:43	95.240	359.300	364.200	149.900	1.874	3.947	0.000	65.190
2	22:39:26	93.520	356.000	359.500	148.300	2.025	4.006	0.000	64.940
3	22:40:09	91.860	343.600	341.600	142.000	1.753	3.644	0.000	62.000
x		93.540	353.000	355.100	146.700	1.884	3.866	0.000	64.040
σ		1.690	8.250	11.920	4.138	0.137	0.194	0.000	1.771
%RSD		1.807	2.337	3.355	2.821	7.243	5.028	0.000	2.765

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:43	0.000	11.620	12.150	74.176%	0.154	0.108	1.702	1.478
2	22:39:26	0.000	11.970	11.820	76.721%	0.193	0.076	1.467	1.425
3	22:40:09	0.000	11.200	11.110	78.605%	0.132	0.131	1.846	1.541
x		0.000	11.590	11.690	76.501%	0.160	0.105	1.672	1.481
σ		0.000	0.385	0.531	2.223%	0.031	0.027	0.191	0.058
%RSD		0.000	3.320	4.538	2.905	19.300	26.130	11.450	3.931

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:43	76.022%	2.859	0.421	0.352	473.200	470.800	82.589%	82.729%
2	22:39:26	80.421%	2.504	0.380	0.413	465.700	457.500	87.423%	86.885%
3	22:40:09	81.270%	2.474	0.408	0.359	449.500	443.500	89.736%	89.699%
x		79.238%	2.612	0.403	0.374	462.800	457.200	86.583%	86.438%
σ		2.817%	0.214	0.021	0.034	12.130	13.630	3.647%	3.506%
%RSD		3.555	8.186	5.265	8.973	2.621	2.981	4.213	4.057

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:43	1.431	1.352	84.780	84.010	84.360	74.210%
2	22:39:26	1.428	1.416	84.310	83.210	83.870	76.942%
3	22:40:09	1.369	1.365	80.490	79.160	80.020	79.724%
x		1.409	1.378	83.190	82.120	82.750	76.958%
σ		0.035	0.034	2.353	2.602	2.374	2.757%
%RSD		2.498	2.437	2.829	3.169	2.869	3.583

CCV 781130 4/12/2013 10:46:12 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:55	77.383%	104.100	101.000	101.500	0.000	52340.000	52910.000	52760.000
2	22:47:38	78.738%	102.400	101.400	100.500	0.000	51500.000	51810.000	51930.000
3	22:48:21	77.570%	103.000	106.800	105.800	0.000	52490.000	52660.000	52770.000
x		77.897%	103.160%	103.048%	102.632%	0.000	104.219%	104.919%	104.973%
σ		0.735%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.943	0.857	3.159	2.755	0.000	1.018	1.100	0.918
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:55	532.200	5006.000	0.000	53140.000	51420.000	50360.000	78.038%	104.200
2	22:47:38	525.400	4906.000	0.000	52500.000	51630.000	50380.000	78.937%	98.820
3	22:48:21	535.500	5054.000	0.000	53150.000	52170.000	51130.000	78.690%	107.900
x		106.208%	99.772%	0.000	105.860%	103.484%	101.245%	78.555%	103.634%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.464%	n/a
%RSD		0.967	1.511	0.000	0.696	0.750	0.862	0.591	4.387
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:55	102.500	104.200	519.100	26830.000	26140.000	106.800	104.200	105.200
2	22:47:38	102.700	103.100	520.600	26280.000	25970.000	105.000	104.400	105.000
3	22:48:21	104.700	105.000	525.700	26640.000	26470.000	107.000	108.500	106.000
x		103.306%	104.093%	104.363%	106.334%	104.774%	106.266%	105.732%	105.390%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.174	0.909	0.669	1.057	0.954	1.030	2.295	0.517
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:55	106.500	103.000	103.900	104.700	101.500	103.900	0.000	105.600
2	22:47:38	106.500	105.800	104.200	105.400	101.600	105.000	0.000	104.200
3	22:48:21	110.100	105.700	105.700	103.900	103.200	105.700	0.000	106.800
x		107.692%	104.865%	104.594%	104.669%	102.100%	104.878%	0.000	105.542%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.969	1.511	0.949	0.736	0.930	0.858	0.000	1.214
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:55	77.872%	104.400	103.500	76.596%	106.900	107.000	105.500	106.900
2	22:47:38	79.183%	105.600	104.100	79.039%	105.000	104.400	104.900	102.100
3	22:48:21	79.656%	108.200	108.000	78.636%	107.100	105.800	105.500	104.900
x		78.904%	106.059%	105.207%	78.090%	106.311%	105.737%	105.313%	104.629%
σ		0.924%	n/a	n/a	1.310%	n/a	n/a	n/a	n/a
%RSD		1.171	1.849	2.304	1.677	1.105	1.228	0.305	2.317
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:55	77.023%	102.700	104.100	104.000	104.400	105.100	80.841%	80.793%
2	22:47:38	80.760%	101.500	101.200	101.300	103.200	102.000	82.861%	83.552%
3	22:48:21	80.446%	103.500	102.900	104.700	104.600	106.000	83.193%	83.241%
x		79.409%	102.578%	102.718%	103.332%	104.083%	104.383%	82.299%	82.528%
σ		2.073%	n/a	n/a	n/a	n/a	n/a	1.273%	1.511%
%RSD		2.610	0.970	1.425	1.730	0.725	1.992	1.547	1.831
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:46:55	107.700	106.800	106.400	107.400	107.400	74.323%		
2	22:47:38	105.000	105.100	105.700	106.800	106.100	76.815%		
3	22:48:21	106.900	105.900	106.700	106.500	107.100	77.577%		
x		106.546%	105.925%	106.289%	106.887%	106.862%	76.238%		
σ		n/a	n/a	n/a	n/a	n/a	1.702%		
%RSD		1.313	0.789	0.474	0.445	0.615	2.233		

CCB6 4/12/2013 10:54:27 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:10	102.793%	-0.005	0.506	0.645	0.000	41.530	1.317	1.356
2	22:55:53	103.429%	0.048	0.499	0.276	0.000	60.770	9.477	11.080
3	22:56:36	104.207%	0.021	0.764	0.496	0.000	58.690	10.360	11.790
x		103.476%	0.021	0.589	0.472	0.000	53.660	7.052	8.074
σ		0.708%	0.027	0.151	0.186	0.000	10.560	4.986	5.829
%RSD		0.685	125.200	25.630	39.370	0.000	19.670	70.710	72.190

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:10	-0.523	-236.800	0.000	-67.260	2.104	-42.540	88.564%	0.015
2	22:55:53	1.195	-216.800	0.000	-55.070	25.550	-32.280	88.426%	0.220
3	22:56:36	1.111	-226.300	0.000	-56.010	42.090	-32.610	90.248%	0.129
x		0.595	-226.600	0.000	-59.450	23.250	-35.810	89.079%	0.121
σ		0.969	9.989	0.000	6.781	20.090	5.831	1.014%	0.102
%RSD		162.900	4.408	0.000	11.410	86.420	16.280	1.139	84.430

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:10	-0.011	0.089	0.046	3.408	-1.341	-0.007	0.036	-0.141
2	22:55:53	0.022	0.130	0.554	10.520	11.220	0.021	-0.009	-0.070
3	22:56:36	0.012	0.126	0.511	10.700	9.175	0.007	-0.049	-0.049
x		0.008	0.115	0.370	8.209	6.350	0.007	-0.007	-0.087
σ		0.017	0.023	0.282	4.159	6.738	0.014	0.043	0.048
%RSD		219.600	19.850	76.170	50.660	106.100	197.700	598.300	55.290

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:10	-0.006	-1.142	-1.092	-0.031	-0.588	-0.409	0.000	0.002
2	22:55:53	-0.006	-0.941	-1.091	0.266	-1.173	0.459	0.000	0.032
3	22:56:36	-0.041	-1.013	-0.827	0.225	-0.949	0.412	0.000	0.024
x		-0.018	-1.032	-1.003	0.153	-0.903	0.154	0.000	0.019
σ		0.020	0.102	0.153	0.161	0.295	0.489	0.000	0.016
%RSD		116.400	9.870	15.220	104.900	32.700	317.000	0.000	82.220

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:10	88.572%	0.368	0.336	84.336%	-0.009	0.010	0.061	0.031
2	22:55:53	88.473%	0.350	0.434	84.527%	-0.001	0.012	0.050	0.034
3	22:56:36	91.408%	0.297	0.352	86.753%	0.019	0.017	0.025	0.014
x		89.485%	0.338	0.374	85.205%	0.003	0.013	0.045	0.026
σ		1.667%	0.037	0.052	1.344%	0.015	0.004	0.019	0.011
%RSD		1.863	10.950	13.950	1.577	452.800	30.930	41.190	39.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:10	84.040%	0.070	-0.011	-0.008	-0.015	-0.001	84.524%	84.653%
2	22:55:53	84.783%	0.065	0.012	-0.003	0.055	0.046	85.803%	85.805%
3	22:56:36	87.136%	0.096	0.011	0.001	0.088	0.077	87.280%	87.264%
x		85.320%	0.077	0.004	-0.004	0.043	0.041	85.869%	85.907%
σ		1.616%	0.016	0.013	0.005	0.052	0.039	1.379%	1.309%
%RSD		1.894	21.120	346.200	132.000	122.700	96.060	1.606	1.523

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:10	0.023	0.049	-0.010	0.001	-0.004	79.358%
2	22:55:53	0.033	0.046	0.018	0.025	0.028	80.298%
3	22:56:36	0.026	0.037	0.027	0.026	0.037	81.472%
x		0.027	0.044	0.012	0.017	0.020	80.376%
σ		0.005	0.006	0.019	0.014	0.022	1.059%
%RSD		19.620	14.340	163.700	83.360	105.800	1.318

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:24	70.424%	5.203	33.240	30.680	0.000	468.600	19260.000	19340.000
2	23:04:07	73.512%	4.680	29.710	29.830	0.000	452.300	18900.000	18840.000
3	23:04:50	72.207%	4.723	30.220	32.500	0.000	470.500	19280.000	19380.000
x		72.048%	4.869	31.060	31.010	0.000	463.800	19150.000	19190.000
σ		1.550%	0.290	1.911	1.365	0.000	10.000	216.900	299.500
%RSD		2.152	5.963	6.153	4.402	0.000	2.157	1.133	1.561

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:24	89840.000	13850.000	0.000	9744.000	4621.000	4155.000	79.963%	849.800
2	23:04:07	86740.000	13230.000	0.000	9467.000	4641.000	4094.000	80.878%	852.300
3	23:04:50	89580.000	13570.000	0.000	9731.000	4434.000	4193.000	80.466%	859.100
x		88720.000	13550.000	0.000	9647.000	4565.000	4147.000	80.435%	853.700
σ		1723.000	306.600	0.000	156.500	114.500	49.790	0.458%	4.830
%RSD		1.942	2.262	0.000	1.622	2.508	1.201	0.570	0.566

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:24	153.900	132.500	6335.000	262100.000	266500.000	85.030	186.500	126.100
2	23:04:07	152.500	130.500	6240.000	256800.000	261300.000	84.660	186.100	126.100
3	23:04:50	156.000	134.500	6377.000	261900.000	267300.000	86.570	190.800	126.200
x		154.200	132.500	6317.000	260300.000	265000.000	85.420	187.800	126.200
σ		1.745	2.032	69.970	3016.000	3256.000	1.010	2.597	0.068
%RSD		1.132	1.533	1.108	1.159	1.229	1.183	1.383	0.054

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:24	129.200	457.900	468.100	180.400	1.271	4.763	0.000	1048.000
2	23:04:07	124.800	456.500	464.000	173.800	1.056	3.519	0.000	1028.000
3	23:04:50	129.900	469.500	468.900	183.100	0.654	3.789	0.000	1062.000
x		128.000	461.300	467.000	179.100	0.994	4.024	0.000	1046.000
σ		2.776	7.188	2.617	4.769	0.313	0.654	0.000	16.730
%RSD		2.169	1.558	0.560	2.663	31.500	16.260	0.000	1.599

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:24	0.000	45.810	46.900	75.962%	0.145	0.107	1.151	0.985
2	23:04:07	0.000	45.170	45.350	78.789%	0.184	0.105	1.011	0.918
3	23:04:50	0.000	47.970	48.010	78.428%	0.167	0.145	1.294	0.903
x		0.000	46.320	46.750	77.727%	0.165	0.119	1.152	0.935
σ		0.000	1.467	1.335	1.539%	0.019	0.023	0.141	0.044
%RSD		0.000	3.167	2.855	1.979	11.770	19.220	12.270	4.666

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:24	78.168%	2.976	0.269	0.332	526.900	516.400	88.232%	86.444%
2	23:04:07	81.603%	2.935	0.312	0.257	515.800	509.200	91.291%	91.096%
3	23:04:50	80.841%	3.377	0.390	0.354	537.800	529.300	90.341%	90.758%
x		80.204%	3.096	0.323	0.315	526.800	518.300	89.955%	89.433%
σ		1.804%	0.244	0.061	0.051	11.020	10.200	1.566%	2.594%
%RSD		2.250	7.893	19.000	16.150	2.091	1.967	1.740	2.900

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:24	1.204	1.201	95.480	94.670	95.350	76.197%
2	23:04:07	1.208	1.178	94.920	94.630	94.590	79.264%
3	23:04:50	1.165	1.237	96.490	95.610	96.650	79.171%
x		1.192	1.206	95.630	94.970	95.530	78.211%
σ		0.024	0.030	0.795	0.553	1.041	1.744%
%RSD		2.013	2.469	0.832	0.582	1.090	2.230

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:36	72.895%	0.347	20.120	18.960	0.000	2665.000	6593.000	6621.000
2	23:12:20	72.469%	0.349	17.580	18.700	0.000	2639.000	6557.000	6545.000
3	23:13:03	75.361%	0.281	18.090	19.160	0.000	2580.000	6374.000	6391.000
x		73.575%	0.325	18.600	18.940	0.000	2628.000	6508.000	6519.000
σ		1.561%	0.039	1.343	0.229	0.000	43.400	117.800	116.800
%RSD		2.122	11.920	7.220	1.211	0.000	1.651	1.811	1.792

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:36	7021.000	1235.000	0.000	1926.000	15340.000	14500.000	76.347%	135.100
2	23:12:20	6920.000	1215.000	0.000	1897.000	15350.000	14390.000	77.079%	140.900
3	23:13:03	6788.000	1181.000	0.000	1890.000	15130.000	14450.000	76.280%	142.200
x		6910.000	1210.000	0.000	1904.000	15270.000	14450.000	76.569%	139.400
σ		116.800	27.300	0.000	18.700	121.800	55.950	0.443%	3.780
%RSD		1.691	2.256	0.000	0.982	0.797	0.387	0.579	2.711

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:36	27.630	11.830	188600.000	12880.000	12550.000	271.400	63.450	217.300
2	23:12:20	27.590	11.720	183900.000	12600.000	12410.000	266.500	62.540	213.100
3	23:13:03	27.710	11.930	186200.000	12710.000	12660.000	272.200	61.860	218.200
x		27.640	11.820	186200.000	12730.000	12540.000	270.000	62.620	216.200
σ		0.063	0.106	2354.000	141.300	124.500	3.073	0.794	2.751
%RSD		0.227	0.895	1.264	1.110	0.993	1.138	1.268	1.272

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:36	218.400	60.030	59.950	63.400	-0.279	-0.881	0.000	1906.000
2	23:12:20	215.800	59.300	61.980	62.700	-0.481	-1.196	0.000	1879.000
3	23:13:03	215.600	59.710	61.380	63.960	-0.297	-0.160	0.000	1889.000
x		216.600	59.680	61.100	63.360	-0.352	-0.746	0.000	1891.000
σ		1.561	0.364	1.041	0.628	0.112	0.531	0.000	13.400
%RSD		0.721	0.610	1.703	0.992	31.840	71.160	0.000	0.708

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:36	83.462%	55.640	55.610	79.187%	0.021	0.042	0.445	0.374
2	23:12:20	84.149%	55.830	56.170	80.140%	0.012	0.020	0.320	0.320
3	23:13:03	83.584%	56.540	55.980	79.640%	0.014	0.029	0.145	0.202
x		83.732%	56.000	55.920	79.655%	0.016	0.030	0.303	0.299
σ		0.367%	0.479	0.283	0.477%	0.005	0.011	0.151	0.088
%RSD		0.438	0.855	0.507	0.599	32.400	36.340	49.630	29.480

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:36	80.313%	0.370	0.325	0.301	1548.000	1523.000	83.719%	83.603%
2	23:12:20	82.693%	0.357	0.240	0.244	1530.000	1516.000	84.203%	85.722%
3	23:13:03	82.425%	0.361	0.307	0.315	1528.000	1507.000	85.047%	85.354%
x		81.810%	0.363	0.291	0.287	1535.000	1515.000	84.323%	84.893%
σ		1.303%	0.006	0.045	0.038	11.030	7.610	0.672%	1.132%
%RSD		1.593	1.777	15.530	13.110	0.719	0.502	0.797	1.334

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:36	2.973	3.114	66.470	68.040	68.140	79.595%
2	23:12:20	3.003	3.053	67.190	67.640	68.330	81.127%
3	23:13:03	2.981	2.984	66.720	68.390	68.390	80.985%
x		2.986	3.051	66.790	68.020	68.290	80.569%
σ		0.016	0.065	0.366	0.377	0.131	0.846%
%RSD		0.530	2.133	0.548	0.555	0.191	1.050

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:49	66.140%	4.445	26.810	25.020	0.000	490.000	23060.000	23190.000
2	23:20:32	67.317%	4.212	25.130	26.870	0.000	501.600	23520.000	23560.000
3	23:21:15	66.793%	3.916	23.510	26.000	0.000	506.100	23900.000	23730.000
x		66.750%	4.191	25.150	25.960	0.000	499.200	23490.000	23490.000
σ		0.590%	0.265	1.653	0.930	0.000	8.290	420.300	275.800
%RSD		0.884	6.326	6.571	3.581	0.000	1.661	1.789	1.174
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:49	124200.000	12700.000	0.000	7612.000	14060.000	12140.000	73.325%	1442.000
2	23:20:32	125000.000	12690.000	0.000	7697.000	14540.000	12530.000	73.038%	1464.000
3	23:21:15	125400.000	12780.000	0.000	7746.000	14030.000	12660.000	73.465%	1482.000
x		124900.000	12720.000	0.000	7685.000	14210.000	12440.000	73.276%	1463.000
σ		625.300	47.220	0.000	68.030	290.200	273.300	0.218%	20.010
%RSD		0.501	0.371	0.000	0.885	2.042	2.197	0.297	1.368
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:49	217.700	142.000	2863.000	211400.000	215900.000	47.600	131.600	122.000
2	23:20:32	225.700	147.400	2926.000	216400.000	220300.000	49.920	135.300	126.000
3	23:21:15	226.300	148.500	2967.000	218200.000	221700.000	50.270	138.600	125.900
x		223.300	146.000	2919.000	215400.000	219300.000	49.260	135.200	124.600
σ		4.785	3.462	52.610	3507.000	3064.000	1.450	3.495	2.322
%RSD		2.143	2.372	1.802	1.628	1.397	2.944	2.586	1.863
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:49	122.500	362.600	365.800	94.530	4.269	5.834	0.000	6519.000
2	23:20:32	128.500	375.500	379.500	97.750	3.992	3.373	0.000	6685.000
3	23:21:15	128.100	381.000	384.600	99.310	4.012	5.329	0.000	6717.000
x		126.400	373.000	376.600	97.200	4.091	4.845	0.000	6640.000
σ		3.332	9.450	9.691	2.440	0.154	1.300	0.000	106.000
%RSD		2.637	2.533	2.573	2.510	3.775	26.830	0.000	1.596
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:49	0.000	222.900	221.900	72.542%	0.231	0.184	0.943	0.689
2	23:20:32	0.000	228.400	230.100	72.989%	0.241	0.187	0.929	0.772
3	23:21:15	0.000	232.900	235.500	72.594%	0.232	0.172	0.968	0.760
x		0.000	228.000	229.200	72.709%	0.235	0.181	0.947	0.740
σ		0.000	4.993	6.816	0.245%	0.006	0.008	0.020	0.045
%RSD		0.000	2.190	2.974	0.336	2.379	4.322	2.131	6.042
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:49	74.950%	2.668	0.309	0.300	615.000	601.200	79.826%	80.290%
2	23:20:32	75.803%	2.808	0.324	0.295	618.200	614.300	81.344%	81.778%
3	23:21:15	76.065%	2.773	0.313	0.364	627.300	618.200	81.935%	82.055%
x		75.606%	2.750	0.315	0.320	620.200	611.200	81.035%	81.374%
σ		0.583%	0.073	0.008	0.038	6.399	8.880	1.088%	0.949%
%RSD		0.771	2.648	2.480	12.020	1.032	1.453	1.342	1.166
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:19:49	1.456	1.432	98.980	96.460	97.760	74.167%		
2	23:20:32	1.441	1.478	102.600	99.730	101.000	74.839%		
3	23:21:15	1.469	1.561	102.600	101.100	102.200	74.644%		
x		1.455	1.491	101.400	99.090	100.300	74.550%		
σ		0.014	0.065	2.084	2.370	2.292	0.346%		
%RSD		0.951	4.385	2.056	2.392	2.284	0.464		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:02	63.630%	5.641	53.480	55.470	0.000	3367.000	23010.000	23000.000
2	23:28:45	65.486%	5.150	60.550	53.790	0.000	3303.000	22750.000	22780.000
3	23:29:28	67.315%	5.097	51.790	52.020	0.000	3188.000	21990.000	21850.000
x		65.477%	5.296	55.280	53.760	0.000	3286.000	22590.000	22540.000
σ		1.843%	0.299	4.647	1.724	0.000	90.990	529.100	608.300
%RSD		2.814	5.655	8.408	3.207	0.000	2.769	2.343	2.698
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:02	105200.000	13040.000	0.000	14580.000	4304.000	4257.000	71.403%	1003.000
2	23:28:45	103700.000	12670.000	0.000	14290.000	4410.000	4251.000	73.124%	994.300
3	23:29:28	99880.000	12210.000	0.000	13930.000	4574.000	4117.000	73.513%	969.700
x		103000.000	12640.000	0.000	14260.000	4429.000	4208.000	72.680%	989.000
σ		2766.000	414.100	0.000	327.700	135.700	78.930	1.123%	17.340
%RSD		2.686	3.276	0.000	2.297	3.064	1.875	1.545	1.753
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:02	167.900	177.700	3480.000	209300.000	212100.000	77.220	174.600	135.700
2	23:28:45	164.100	176.200	3402.000	205000.000	208300.000	75.980	172.000	135.100
3	23:29:28	160.000	171.600	3325.000	199700.000	203400.000	74.730	167.200	132.200
x		164.000	175.200	3402.000	204700.000	207900.000	75.980	171.200	134.400
σ		3.921	3.191	77.180	4824.000	4370.000	1.242	3.760	1.885
%RSD		2.391	1.822	2.269	2.357	2.101	1.635	2.196	1.403
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:02	140.300	397.200	400.300	239.200	2.371	3.178	0.000	248.400
2	23:28:45	135.200	392.200	396.200	234.900	1.581	4.103	0.000	246.100
3	23:29:28	133.100	389.000	393.000	226.700	2.040	4.661	0.000	238.800
x		136.200	392.800	396.500	233.600	1.997	3.981	0.000	244.400
σ		3.725	4.126	3.706	6.332	0.397	0.749	0.000	5.027
%RSD		2.736	1.050	0.935	2.711	19.860	18.810	0.000	2.056
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:02	0.000	215.300	214.700	69.689%	0.211	0.150	1.102	0.832
2	23:28:45	0.000	212.000	210.600	71.985%	0.199	0.160	1.074	0.832
3	23:29:28	0.000	208.500	206.600	73.537%	0.197	0.135	0.964	0.547
x		0.000	211.900	210.600	71.737%	0.202	0.148	1.047	0.737
σ		0.000	3.405	4.060	1.936%	0.008	0.013	0.073	0.165
%RSD		0.000	1.607	1.927	2.699	3.846	8.752	7.000	22.380
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:02	71.606%	2.400	0.313	0.232	598.100	594.400	80.758%	80.198%
2	23:28:45	74.102%	2.441	0.296	0.238	599.500	590.300	83.556%	83.518%
3	23:29:28	77.583%	2.282	0.286	0.277	576.900	566.100	85.253%	85.167%
x		74.431%	2.374	0.298	0.249	591.500	583.600	83.189%	82.961%
σ		3.002%	0.083	0.013	0.024	12.660	15.310	2.270%	2.531%
%RSD		4.033	3.480	4.494	9.764	2.141	2.623	2.729	3.051
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:28:02	1.117	1.222	109.600	108.500	109.100	71.176%		
2	23:28:45	1.119	1.185	111.300	109.200	110.100	73.110%		
3	23:29:28	1.158	1.201	105.100	104.000	105.000	76.284%		
x		1.131	1.203	108.700	107.300	108.000	73.523%		
σ		0.023	0.019	3.192	2.840	2.722	2.579%		
%RSD		2.032	1.555	2.938	2.648	2.520	3.508		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:15	66.559%	3.016	26.910	29.010	0.000	2376.000	15680.000	15770.000
2	23:36:58	66.497%	3.464	31.450	29.150	0.000	2410.000	15800.000	15820.000
3	23:37:41	68.310%	3.061	29.560	28.650	0.000	2411.000	15850.000	15850.000
x		67.122%	3.180	29.300	28.940	0.000	2399.000	15780.000	15810.000
σ		1.030%	0.247	2.277	0.259	0.000	19.850	85.040	37.290
%RSD		1.534	7.761	7.770	0.893	0.000	0.828	0.539	0.236

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:15	63490.000	10660.000	0.000	8529.000	4452.000	4151.000	72.083%	575.300
2	23:36:58	62890.000	10440.000	0.000	8428.000	4373.000	4094.000	73.204%	573.500
3	23:37:41	62560.000	10410.000	0.000	8537.000	4425.000	4085.000	72.626%	583.400
x		62980.000	10500.000	0.000	8498.000	4416.000	4110.000	72.638%	577.400
σ		470.900	135.500	0.000	60.580	39.970	35.580	0.561%	5.242
%RSD		0.748	1.290	0.000	0.713	0.905	0.866	0.772	0.908

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:15	103.600	105.100	13060.000	155100.000	157600.000	70.640	163.300	130.400
2	23:36:58	103.300	103.000	12910.000	153100.000	155900.000	70.420	169.300	132.300
3	23:37:41	105.800	103.400	13110.000	155100.000	157700.000	71.110	169.500	133.500
x		104.200	103.800	13020.000	154500.000	157100.000	70.720	167.400	132.100
σ		1.341	1.106	102.700	1136.000	1008.000	0.352	3.504	1.565
%RSD		1.287	1.065	0.788	0.736	0.642	0.498	2.094	1.185

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:15	133.100	327.500	335.800	144.900	0.435	2.023	0.000	1429.000
2	23:36:58	130.200	337.600	333.800	146.800	0.779	2.718	0.000	1435.000
3	23:37:41	132.700	340.100	345.800	147.600	0.931	3.956	0.000	1462.000
x		132.000	335.100	338.400	146.400	0.715	2.899	0.000	1442.000
σ		1.588	6.660	6.404	1.406	0.254	0.979	0.000	17.120
%RSD		1.203	1.988	1.892	0.960	35.520	33.770	0.000	1.187

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:15	0.000	15.850	16.110	71.723%	0.148	0.084	0.983	0.689
2	23:36:58	0.000	15.980	16.470	73.647%	0.135	0.065	0.975	0.674
3	23:37:41	0.000	16.100	16.080	74.186%	0.127	0.090	1.040	0.724
x		0.000	15.980	16.220	73.185%	0.137	0.080	0.999	0.696
σ		0.000	0.127	0.217	1.294%	0.010	0.013	0.036	0.025
%RSD		0.000	0.792	1.338	1.769	7.532	16.080	3.565	3.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:15	73.486%	2.923	0.329	0.314	398.400	392.300	81.495%	80.020%
2	23:36:58	76.665%	2.705	0.321	0.311	393.600	388.700	85.313%	84.041%
3	23:37:41	76.422%	2.970	0.346	0.303	399.800	394.200	85.106%	85.128%
x		75.524%	2.866	0.332	0.309	397.300	391.800	83.971%	83.063%
σ		1.770%	0.141	0.013	0.006	3.224	2.791	2.147%	2.691%
%RSD		2.343	4.932	3.843	1.866	0.812	0.712	2.557	3.239

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:15	0.958	0.981	424.000	432.700	431.600	72.156%
2	23:36:58	0.913	1.008	423.700	432.200	433.900	74.674%
3	23:37:41	0.949	0.967	420.700	433.200	432.800	75.556%
x		0.940	0.986	422.800	432.700	432.800	74.129%
σ		0.024	0.021	1.806	0.492	1.122	1.764%
%RSD		2.515	2.116	0.427	0.114	0.259	2.380

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:28	64.851%	6.049	130.800	134.700	0.000	8446.000	26010.000	26050.000
2	23:45:11	63.631%	6.208	141.800	146.500	0.000	9025.000	27890.000	27920.000
3	23:45:55	66.097%	5.447	145.100	137.000	0.000	8564.000	26420.000	26620.000
x		64.860%	5.901	139.200	139.400	0.000	8678.000	26780.000	26860.000
σ		1.233%	0.401	7.508	6.233	0.000	306.100	989.000	959.700
%RSD		1.901	6.796	5.393	4.471	0.000	3.527	3.694	3.573
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:28	133900.000	16320.000	0.000	25470.000	1290.000	1226.000	74.046%	1360.000
2	23:45:11	141700.000	17310.000	0.000	26890.000	1331.000	1302.000	72.718%	1435.000
3	23:45:55	135400.000	16360.000	0.000	25820.000	1267.000	1241.000	74.490%	1381.000
x		137000.000	16660.000	0.000	26060.000	1296.000	1256.000	73.752%	1392.000
σ		4157.000	563.100	0.000	738.800	32.810	40.050	0.922%	38.700
%RSD		3.034	3.380	0.000	2.835	2.532	3.188	1.250	2.779
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:28	209.500	164.900	3030.000	255200.000	260900.000	87.170	189.500	164.600
2	23:45:11	223.400	175.600	3208.000	269700.000	275000.000	92.930	198.100	172.700
3	23:45:55	217.100	169.800	3097.000	258500.000	263600.000	88.840	194.400	167.300
x		216.700	170.100	3111.000	261100.000	266500.000	89.650	194.000	168.200
σ		6.964	5.391	89.720	7604.000	7491.000	2.964	4.300	4.136
%RSD		3.214	3.169	2.884	2.912	2.811	3.307	2.217	2.459
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:28	163.700	448.900	461.000	184.800	2.277	1.750	0.000	372.200
2	23:45:11	174.500	487.700	495.200	199.800	2.910	4.025	0.000	400.600
3	23:45:55	169.600	468.000	472.900	193.200	3.052	4.919	0.000	389.900
x		169.300	468.200	476.300	192.600	2.746	3.565	0.000	387.600
σ		5.389	19.410	17.360	7.504	0.413	1.634	0.000	14.350
%RSD		3.184	4.146	3.644	3.897	15.030	45.840	0.000	3.703
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:28	0.000	973.900	975.900	70.874%	0.264	0.198	0.844	0.846
2	23:45:11	0.000	1048.000	1043.000	70.888%	0.240	0.171	0.990	0.945
3	23:45:55	0.000	1018.000	1015.000	72.226%	0.243	0.171	1.304	0.939
x		0.000	1013.000	1011.000	71.329%	0.249	0.180	1.046	0.910
σ		0.000	37.060	33.830	0.777%	0.013	0.016	0.235	0.055
%RSD		0.000	3.658	3.345	1.089	5.274	8.883	22.470	6.067
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:28	73.683%	1.826	0.314	0.308	693.700	689.100	79.888%	80.291%
2	23:45:11	72.946%	1.996	0.325	0.307	751.900	750.000	80.620%	80.695%
3	23:45:55	75.757%	1.961	0.294	0.346	717.700	715.600	83.581%	83.584%
x		74.129%	1.928	0.311	0.320	721.100	718.200	81.363%	81.523%
σ		1.458%	0.090	0.016	0.022	29.280	30.540	1.956%	1.796%
%RSD		1.966	4.662	4.999	6.899	4.061	4.252	2.404	2.203
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:44:28	1.277	1.335	119.700	117.200	118.400	72.590%		
2	23:45:11	1.468	1.380	129.600	127.300	128.300	72.341%		
3	23:45:55	1.382	1.332	124.100	121.600	123.000	74.195%		
x		1.376	1.349	124.500	122.000	123.200	73.042%		
σ		0.096	0.027	4.978	5.042	4.919	1.006%		
%RSD		6.982	1.970	3.999	4.132	3.992	1.378		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:42	65.257%	4.619	18.190	18.840	0.000	525.400	16850.000	17020.000
2	23:53:25	67.248%	4.437	17.920	17.090	0.000	500.000	16010.000	16030.000
3	23:54:08	67.997%	4.777	17.040	16.410	0.000	515.300	16310.000	16360.000
x		66.834%	4.611	17.710	17.450	0.000	513.500	16390.000	16470.000
σ		1.416%	0.170	0.603	1.250	0.000	12.770	425.200	506.600
%RSD		2.119	3.684	3.403	7.164	0.000	2.488	2.594	3.076

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:42	77390.000	13440.000	0.000	5741.000	8523.000	8426.000	70.331%	828.700
2	23:53:25	72700.000	12420.000	0.000	5304.000	8259.000	7913.000	73.183%	793.700
3	23:54:08	73700.000	12670.000	0.000	5458.000	8441.000	8170.000	72.027%	813.400
x		74600.000	12840.000	0.000	5501.000	8408.000	8170.000	71.847%	811.900
σ		2473.000	532.400	0.000	221.600	135.000	256.500	1.435%	17.530
%RSD		3.315	4.145	0.000	4.028	1.605	3.140	1.997	2.159

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:42	135.400	299.700	6884.000	135400.000	137800.000	66.030	122.900	62.800
2	23:53:25	128.500	282.500	6445.000	127000.000	129500.000	62.640	118.800	60.900
3	23:54:08	130.400	291.500	6624.000	130700.000	134100.000	64.560	121.500	62.670
x		131.500	291.200	6651.000	131000.000	133800.000	64.410	121.100	62.120
σ		3.546	8.562	220.600	4195.000	4165.000	1.702	2.088	1.062
%RSD		2.698	2.940	3.317	3.201	3.113	2.643	1.724	1.710

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:42	64.460	231.000	239.300	68.580	2.735	4.194	0.000	73.270
2	23:53:25	58.750	219.500	222.000	63.240	1.659	3.495	0.000	69.440
3	23:54:08	62.660	230.300	234.300	66.440	1.512	3.212	0.000	72.350
x		61.960	226.900	231.900	66.090	1.969	3.634	0.000	71.680
σ		2.919	6.429	8.886	2.688	0.667	0.505	0.000	2.000
%RSD		4.711	2.833	3.833	4.068	33.900	13.900	0.000	2.790

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:42	0.000	9.156	9.177	69.975%	0.310	0.259	1.064	0.824
2	23:53:25	0.000	8.231	8.756	73.975%	0.259	0.251	0.711	0.679
3	23:54:08	0.000	8.550	8.552	72.996%	0.291	0.231	0.889	0.752
x		0.000	8.646	8.828	72.315%	0.287	0.247	0.888	0.752
σ		0.000	0.470	0.319	2.085%	0.026	0.014	0.177	0.072
%RSD		0.000	5.433	3.611	2.883	9.021	5.776	19.910	9.623

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:42	71.609%	1.998	0.265	0.205	622.200	616.900	78.474%	78.239%
2	23:53:25	77.141%	1.676	0.288	0.157	588.500	580.100	84.042%	83.038%
3	23:54:08	76.785%	1.936	0.247	0.272	604.200	591.100	83.540%	83.146%
x		75.178%	1.870	0.267	0.211	605.000	596.000	82.019%	81.474%
σ		3.096%	0.171	0.021	0.058	16.890	18.890	3.080%	2.802%
%RSD		4.118	9.145	7.778	27.470	2.791	3.170	3.755	3.439

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:42	1.126	1.139	103.800	100.900	101.900	70.422%
2	23:53:25	0.982	0.979	97.140	95.540	96.240	75.170%
3	23:54:08	1.021	1.084	99.770	99.210	99.850	74.131%
x		1.043	1.067	100.200	98.550	99.320	73.241%
σ		0.075	0.082	3.343	2.747	2.854	2.496%
%RSD		7.169	7.645	3.335	2.787	2.874	3.408

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:57	63.787%	5.930	59.970	64.220	0.000	2570.000	25440.000	25440.000
2	00:01:40	64.618%	5.980	69.180	63.550	0.000	2586.000	25500.000	25750.000
3	00:02:23	64.960%	5.766	69.650	65.120	0.000	2597.000	25660.000	25620.000
x		64.455%	5.892	66.270	64.300	0.000	2584.000	25530.000	25610.000
σ		0.604%	0.112	5.455	0.788	0.000	13.770	116.100	154.600
%RSD		0.936	1.903	8.232	1.226	0.000	0.533	0.455	0.604

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:57	120300.000	15910.000	0.000	24190.000	2333.000	2139.000	74.240%	1281.000
2	00:01:40	119600.000	15920.000	0.000	24150.000	2280.000	2103.000	74.932%	1295.000
3	00:02:23	119200.000	15770.000	0.000	24110.000	2336.000	2110.000	74.426%	1294.000
x		119700.000	15860.000	0.000	24150.000	2316.000	2117.000	74.532%	1290.000
σ		554.900	81.650	0.000	40.260	31.800	18.950	0.358%	7.784
%RSD		0.464	0.515	0.000	0.167	1.373	0.895	0.480	0.603

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:57	184.300	152.200	2187.000	248500.000	252800.000	76.260	200.300	203.400
2	00:01:40	185.600	153.700	2195.000	247800.000	252500.000	76.220	197.000	203.300
3	00:02:23	186.000	154.100	2201.000	248200.000	252600.000	77.790	199.100	203.600
x		185.300	153.300	2194.000	248200.000	252600.000	76.760	198.800	203.400
σ		0.886	0.976	7.356	337.600	160.600	0.894	1.668	0.140
%RSD		0.478	0.637	0.335	0.136	0.064	1.164	0.839	0.069

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:57	202.400	515.700	521.800	957.200	1.883	4.198	0.000	1102.000
2	00:01:40	204.400	522.300	524.200	960.400	1.846	4.129	0.000	1111.000
3	00:02:23	207.800	520.400	531.200	969.900	1.747	4.358	0.000	1118.000
x		204.800	519.500	525.700	962.500	1.825	4.229	0.000	1110.000
σ		2.716	3.431	4.904	6.606	0.070	0.118	0.000	7.706
%RSD		1.326	0.660	0.933	0.686	3.841	2.784	0.000	0.694

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:57	0.000	255.700	255.400	70.773%	0.202	0.129	1.032	0.783
2	00:01:40	0.000	255.200	257.100	72.424%	0.231	0.163	1.193	0.910
3	00:02:23	0.000	261.600	258.500	72.766%	0.159	0.148	1.603	1.150
x		0.000	257.500	257.000	71.988%	0.197	0.147	1.276	0.948
σ		0.000	3.552	1.588	1.066%	0.036	0.017	0.294	0.186
%RSD		0.000	1.380	0.618	1.481	18.220	11.610	23.080	19.650

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:57	73.213%	2.105	0.379	0.413	660.500	646.300	84.081%	84.359%
2	00:01:40	75.578%	1.870	0.391	0.371	650.600	643.100	87.805%	86.894%
3	00:02:23	75.369%	2.011	0.407	0.423	663.500	649.100	88.207%	87.432%
x		74.720%	1.996	0.392	0.402	658.200	646.200	86.698%	86.228%
σ		1.309%	0.118	0.014	0.028	6.716	3.006	2.275%	1.641%
%RSD		1.752	5.937	3.573	6.909	1.020	0.465	2.624	1.903

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:57	1.172	1.207	127.100	126.400	127.300	71.446%
2	00:01:40	1.259	1.227	129.500	127.600	128.700	73.308%
3	00:02:23	1.221	1.240	129.300	128.000	128.700	74.010%
x		1.217	1.225	128.600	127.300	128.300	72.921%
σ		0.044	0.016	1.338	0.824	0.812	1.325%
%RSD		3.602	1.336	1.041	0.647	0.633	1.817

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:12	64.784%	5.538	30.490	30.080	0.000	713.200	26770.000	26830.000
2	00:09:55	65.293%	5.665	33.300	31.790	0.000	736.600	27540.000	27620.000
3	00:10:38	66.256%	5.437	30.670	31.090	0.000	708.500	26490.000	26470.000
x		65.445%	5.547	31.490	30.990	0.000	719.400	26930.000	26980.000
σ		0.748%	0.114	1.571	0.860	0.000	15.080	543.400	590.100
%RSD		1.142	2.055	4.989	2.775	0.000	2.097	2.017	2.188

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:12	121000.000	13510.000	0.000	11160.000	8088.000	7891.000	72.997%	1084.000
2	00:09:55	123800.000	13810.000	0.000	11490.000	8334.000	8105.000	72.676%	1107.000
3	00:10:38	117600.000	13080.000	0.000	10930.000	8363.000	7737.000	73.979%	1081.000
x		120800.000	13470.000	0.000	11190.000	8262.000	7911.000	73.217%	1091.000
σ		3106.000	369.100	0.000	282.000	151.400	184.700	0.679%	14.030
%RSD		2.571	2.741	0.000	2.519	1.833	2.335	0.927	1.287

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:12	185.700	153.300	2736.000	219600.000	224500.000	73.440	187.700	139.900
2	00:09:55	189.300	157.400	2792.000	225100.000	228800.000	74.110	194.000	143.000
3	00:10:38	180.600	152.000	2683.000	215700.000	220600.000	71.870	185.200	138.900
x		185.200	154.200	2737.000	220100.000	224600.000	73.140	189.000	140.600
σ		4.382	2.791	54.570	4689.000	4074.000	1.150	4.571	2.122
%RSD		2.366	1.809	1.994	2.130	1.814	1.573	2.419	1.509

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:12	141.500	446.600	448.900	108.200	2.055	2.451	0.000	90.980
2	00:09:55	144.300	456.600	460.800	108.900	1.893	3.409	0.000	92.430
3	00:10:38	139.300	446.600	455.000	108.700	1.165	4.765	0.000	90.810
x		141.700	449.900	454.900	108.600	1.704	3.541	0.000	91.410
σ		2.497	5.771	5.920	0.362	0.474	1.163	0.000	0.889
%RSD		1.762	1.283	1.301	0.334	27.810	32.840	0.000	0.973

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:12	0.000	9.217	9.141	69.923%	0.212	0.173	1.221	0.892
2	00:09:55	0.000	9.308	9.209	71.507%	0.265	0.136	1.192	0.953
3	00:10:38	0.000	8.918	8.956	73.047%	0.230	0.145	0.997	0.805
x		0.000	9.148	9.102	71.492%	0.236	0.151	1.137	0.883
σ		0.000	0.204	0.131	1.562%	0.027	0.019	0.122	0.074
%RSD		0.000	2.229	1.436	2.185	11.480	12.710	10.700	8.383

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:12	72.544%	2.202	0.251	0.188	603.500	599.200	80.464%	79.651%
2	00:09:55	73.348%	2.420	0.285	0.292	627.500	617.400	82.046%	82.145%
3	00:10:38	75.369%	2.058	0.223	0.179	606.300	599.100	83.714%	83.435%
x		73.753%	2.226	0.253	0.220	612.500	605.300	82.075%	81.744%
σ		1.456%	0.182	0.031	0.063	13.120	10.550	1.625%	1.923%
%RSD		1.974	8.191	12.290	28.520	2.142	1.743	1.980	2.353

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:12	1.529	1.518	105.800	103.600	105.100	70.682%
2	00:09:55	1.569	1.501	108.300	106.200	107.900	72.623%
3	00:10:38	1.507	1.494	105.200	104.100	105.000	73.513%
x		1.535	1.504	106.500	104.700	106.000	72.273%
σ		0.032	0.013	1.650	1.376	1.627	1.448%
%RSD		2.076	0.853	1.550	1.315	1.534	2.003

MB 180-67996/1-A 4/13/2013 12:16:44 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:27	90.270%	-0.030	0.042	0.117	0.000	37.850	6.535	7.897
2	00:18:10	90.901%	-0.030	0.509	0.127	0.000	37.650	8.250	7.691
3	00:18:53	93.733%	-0.046	0.012	-0.071	0.000	37.870	7.949	7.327
x		91.635%	-0.035	0.188	0.058	0.000	37.790	7.578	7.638
σ		1.845%	0.009	0.278	0.112	0.000	0.120	0.916	0.288
%RSD		2.013	24.720	148.200	194.200	0.000	0.317	12.090	3.773

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:27	21.090	-273.000	0.000	-75.860	11.810	-34.730	85.085%	0.657
2	00:18:10	23.880	-270.400	0.000	-77.520	17.870	-38.520	85.211%	0.321
3	00:18:53	22.700	-273.600	0.000	-79.620	20.630	-38.780	85.947%	0.408
x		22.560	-272.400	0.000	-77.670	16.770	-37.340	85.414%	0.462
σ		1.398	1.694	0.000	1.884	4.515	2.264	0.465%	0.174
%RSD		6.198	0.622	0.000	2.425	26.920	6.063	0.545	37.680

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:27	0.097	0.129	0.760	55.270	41.490	-0.006	0.068	0.723
2	00:18:10	-0.042	0.115	0.812	57.630	44.350	-0.006	0.018	0.790
3	00:18:53	0.013	0.145	0.874	56.070	43.800	-0.004	0.063	0.715
x		0.023	0.130	0.815	56.320	43.220	-0.005	0.050	0.743
σ		0.070	0.015	0.057	1.198	1.517	0.001	0.027	0.041
%RSD		304.800	11.570	6.971	2.127	3.510	17.500	55.290	5.583

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:27	0.825	-0.061	-0.026	0.078	-1.493	-0.858	0.000	0.089
2	00:18:10	0.918	-0.360	-0.191	0.006	-1.131	-1.258	0.000	0.092
3	00:18:53	0.818	-0.254	-0.111	-0.137	-1.431	-1.863	0.000	0.090
x		0.854	-0.225	-0.109	-0.018	-1.352	-1.326	0.000	0.090
σ		0.056	0.152	0.082	0.109	0.194	0.506	0.000	0.001
%RSD		6.505	67.250	75.240	617.700	14.320	38.170	0.000	1.313

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:27	81.780%	0.095	0.133	83.426%	0.002	-0.003	-0.036	-0.036
2	00:18:10	83.805%	0.182	0.118	84.635%	-0.018	-0.008	-0.011	-0.022
3	00:18:53	84.794%	0.022	0.112	86.159%	-0.007	-0.015	0.022	0.008
x		83.460%	0.100	0.121	84.740%	-0.008	-0.009	-0.009	-0.017
σ		1.536%	0.080	0.011	1.370%	0.010	0.006	0.029	0.022
%RSD		1.841	80.340	9.138	1.616	127.500	64.710	336.300	134.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:27	82.701%	0.407	-0.033	-0.030	0.153	0.176	84.284%	84.022%
2	00:18:10	84.430%	0.452	-0.036	-0.042	0.150	0.260	85.251%	86.015%
3	00:18:53	85.672%	0.444	-0.032	-0.031	0.181	0.143	87.112%	87.235%
x		84.267%	0.434	-0.034	-0.034	0.161	0.193	85.549%	85.757%
σ		1.492%	0.024	0.002	0.006	0.017	0.060	1.438%	1.622%
%RSD		1.770	5.536	6.254	18.690	10.810	31.150	1.681	1.892

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:27	-0.015	-0.012	0.049	0.043	0.053	81.158%
2	00:18:10	-0.012	-0.014	0.064	0.027	0.049	81.812%
3	00:18:53	-0.013	-0.016	0.038	0.054	0.054	82.492%
x		-0.013	-0.014	0.050	0.042	0.052	81.821%
σ		0.001	0.002	0.013	0.014	0.003	0.667%
%RSD		9.916	14.390	25.440	32.720	5.890	0.815

CCV 781130 4/13/2013 12:24:58 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:41	74.951%	104.000	97.300	98.870	0.000	51480.000	52130.000	52390.000
2	00:26:24	75.484%	103.100	101.400	102.200	0.000	51720.000	52340.000	52360.000
3	00:27:07	75.056%	104.800	105.100	100.800	0.000	51850.000	52360.000	52900.000
x		75.163%	103.984%	101.273%	100.625%	0.000	103.369%	104.551%	105.099%
σ		0.282%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.375	0.796	3.855	1.649	0.000	0.367	0.237	0.573

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:41	522.800	4947.000	0.000	53080.000	51820.000	49860.000	73.980%	102.200
2	00:26:24	530.600	4996.000	0.000	53530.000	52160.000	50810.000	74.562%	104.600
3	00:27:07	531.100	5002.000	0.000	53350.000	51410.000	50640.000	74.212%	101.800
x		105.631%	99.628%	0.000	106.634%	103.592%	100.871%	74.251%	102.872%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.293%	n/a
%RSD		0.876	0.609	0.000	0.424	0.718	1.007	0.394	1.449

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:41	102.600	103.100	516.800	26640.000	25830.000	106.200	102.900	104.800
2	00:26:24	104.100	104.800	523.400	26680.000	26190.000	106.400	107.100	106.000
3	00:27:07	104.100	106.100	528.600	26880.000	26490.000	106.700	106.600	107.400
x		103.603%	104.671%	104.586%	106.927%	104.679%	106.409%	105.548%	106.082%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.817	1.469	1.134	0.482	1.251	0.242	2.190	1.225

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:41	104.700	100.900	104.800	100.300	102.000	101.100	0.000	105.100
2	00:26:24	107.000	102.900	105.900	105.400	103.400	109.600	0.000	107.000
3	00:27:07	108.500	105.100	104.400	105.800	103.400	105.500	0.000	107.700
x		106.743%	102.928%	105.056%	103.844%	102.917%	105.408%	0.000	106.610%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.769	2.040	0.741	2.943	0.803	4.055	0.000	1.239

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:41	72.936%	102.600	102.100	72.591%	105.000	104.800	104.600	102.900
2	00:26:24	73.825%	109.000	106.700	72.963%	107.300	106.600	107.200	105.900
3	00:27:07	74.040%	109.200	108.000	73.629%	106.500	106.100	104.500	103.200
x		73.600%	106.927%	105.611%	73.061%	106.265%	105.845%	105.451%	104.005%
σ		0.585%	n/a	n/a	0.526%	n/a	n/a	n/a	n/a
%RSD		0.795	3.516	2.965	0.719	1.137	0.863	1.466	1.555

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:41	74.430%	101.400	102.100	100.900	103.800	103.600	76.475%	76.587%
2	00:26:24	74.635%	103.300	104.200	104.100	105.700	107.200	77.257%	78.081%
3	00:27:07	76.336%	103.000	102.700	103.000	107.300	104.700	79.181%	78.367%
x		75.134%	102.595%	103.007%	102.657%	105.622%	105.201%	77.638%	77.678%
σ		1.046%	n/a	n/a	n/a	n/a	n/a	1.393%	0.956%
%RSD		1.392	0.995	1.068	1.572	1.638	1.738	1.794	1.231

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:41	105.500	106.300	105.800	107.200	106.400	71.031%
2	00:26:24	107.900	107.700	108.400	108.500	108.700	72.099%
3	00:27:07	107.800	108.200	107.400	107.500	107.800	72.633%
x		107.076%	107.379%	107.202%	107.757%	107.624%	71.921%
σ		n/a	n/a	n/a	n/a	n/a	0.815%
%RSD		1.276	0.912	1.244	0.658	1.078	1.134

CCB7 4/13/2013 12:33:12 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:55	89.816%	-0.015	0.525	0.666	0.000	39.440	0.958	1.209
2	00:34:38	88.666%	-0.030	0.297	0.429	0.000	53.540	4.609	5.166
3	00:35:21	89.605%	-0.015	0.365	0.482	0.000	51.890	7.209	9.471
x		89.362%	-0.020	0.396	0.526	0.000	48.290	4.258	5.282
σ		0.612%	0.009	0.117	0.124	0.000	7.707	3.140	4.132
%RSD		0.685	43.760	29.600	23.610	0.000	15.960	73.740	78.230

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:55	-0.223	-210.500	0.000	-57.920	5.897	-41.050	83.921%	0.111
2	00:34:38	-0.049	-208.200	0.000	-56.040	2.622	-41.960	85.247%	0.048
3	00:35:21	0.202	-207.300	0.000	-53.790	23.530	-37.070	86.493%	0.017
x		-0.023	-208.700	0.000	-55.920	10.680	-40.020	85.220%	0.059
σ		0.214	1.675	0.000	2.068	11.240	2.599	1.286%	0.048
%RSD		911.200	0.803	0.000	3.698	105.300	6.495	1.509	81.890

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:55	-0.057	0.059	0.019	-0.320	-3.544	-0.008	-0.038	-0.103
2	00:34:38	-0.037	0.089	0.083	1.465	2.896	-0.012	0.026	-0.079
3	00:35:21	0.019	0.078	0.208	3.000	4.446	0.001	-0.015	-0.078
x		-0.025	0.076	0.103	1.382	1.266	-0.006	-0.009	-0.087
σ		0.039	0.015	0.096	1.662	4.237	0.007	0.032	0.014
%RSD		155.800	20.280	93.050	120.300	334.700	107.200	365.200	16.660

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:55	-0.093	-1.118	-1.107	0.075	-0.933	0.028	0.000	-0.011
2	00:34:38	-0.102	-1.087	-1.125	-0.155	-0.924	-1.017	0.000	0.019
3	00:35:21	-0.033	-1.035	-0.970	-0.012	-0.812	-0.304	0.000	0.023
x		-0.076	-1.080	-1.067	-0.031	-0.889	-0.431	0.000	0.010
σ		0.037	0.042	0.085	0.116	0.068	0.534	0.000	0.019
%RSD		49.320	3.876	7.940	374.400	7.602	123.900	0.000	181.900

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:55	84.524%	0.143	0.201	90.574%	0.002	-0.007	-0.022	-0.007
2	00:34:38	86.042%	0.128	0.214	91.976%	-0.016	-0.005	-0.076	-0.043
3	00:35:21	87.146%	0.291	0.198	92.528%	0.011	0.016	0.049	0.045
x		85.904%	0.187	0.204	91.692%	-0.001	0.001	-0.016	-0.002
σ		1.316%	0.090	0.009	1.007%	0.014	0.012	0.063	0.045
%RSD		1.533	48.220	4.192	1.099	1421.000	942.400	383.700	2557.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:55	89.201%	0.005	-0.026	-0.034	-0.004	-0.008	89.205%	89.295%
2	00:34:38	90.351%	0.022	-0.016	-0.019	0.017	0.010	91.761%	91.350%
3	00:35:21	89.906%	0.011	-0.026	-0.011	0.007	0.048	90.237%	91.588%
x		89.819%	0.013	-0.023	-0.022	0.006	0.017	90.401%	90.744%
σ		0.580%	0.009	0.006	0.012	0.011	0.029	1.286%	1.261%
%RSD		0.645	66.980	25.690	55.100	166.000	171.400	1.422	1.390

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:55	0.041	0.022	0.006	-0.004	-0.000	84.613%
2	00:34:38	0.003	0.021	-0.009	-0.006	-0.001	86.327%
3	00:35:21	0.013	0.022	0.006	-0.012	0.001	87.744%
x		0.019	0.022	0.001	-0.007	-0.000	86.228%
σ		0.020	0.000	0.009	0.004	0.001	1.568%
%RSD		105.300	2.126	887.600	57.690	1142.000	1.818

LCS 180-67996/2-A 4/13/2013 12:41:28 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:11	69.890%	48.850	949.200	922.200	0.000	49330.000	49690.000	50180.000
2	00:42:54	71.209%	44.340	926.900	902.400	0.000	47270.000	47950.000	48290.000
3	00:43:37	69.173%	48.360	967.200	961.100	0.000	49380.000	49780.000	50010.000
x		70.091%	47.180	947.800	928.600	0.000	48660.000	49140.000	49490.000
σ		1.033%	2.476	20.190	29.840	0.000	1203.000	1032.000	1048.000
%RSD		1.473	5.248	2.130	3.213	0.000	2.473	2.100	2.118
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:11	2004.000	8091.000	0.000	50170.000	48740.000	47580.000	70.890%	972.000
2	00:42:54	1938.000	7774.000	0.000	47870.000	47280.000	46040.000	72.642%	928.500
3	00:43:37	2015.000	8051.000	0.000	49960.000	49610.000	47810.000	71.418%	956.500
x		1985.000	7972.000	0.000	49330.000	48550.000	47140.000	71.650%	952.300
σ		41.270	173.000	0.000	1274.000	1178.000	961.700	0.899%	22.030
%RSD		2.079	2.170	0.000	2.582	2.428	2.040	1.254	2.313
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:11	493.900	196.200	488.000	992.700	1142.000	493.000	492.000	246.000
2	00:42:54	474.400	187.000	465.800	951.800	1086.000	468.100	465.300	238.000
3	00:43:37	491.500	192.900	488.800	988.000	1120.000	489.900	491.400	246.900
x		486.600	192.100	480.800	977.500	1116.000	483.600	482.900	243.600
σ		10.620	4.665	13.070	22.380	28.180	13.580	15.240	4.877
%RSD		2.183	2.429	2.719	2.290	2.525	2.807	3.155	2.002
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:11	250.200	472.300	467.000	37.140	8.819	11.090	0.000	953.600
2	00:42:54	239.800	453.500	446.000	36.230	9.078	8.399	0.000	920.900
3	00:43:37	247.300	472.100	472.200	37.890	9.111	10.810	0.000	966.100
x		245.800	466.000	461.700	37.090	9.003	10.100	0.000	946.900
σ		5.369	10.840	13.890	0.833	0.160	1.479	0.000	23.320
%RSD		2.184	2.325	3.009	2.247	1.779	14.650	0.000	2.463
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:11	70.960%	1000.000	995.600	70.179%	46.600	46.020	49.490	43.960
2	00:42:54	74.099%	960.200	961.900	72.958%	44.260	44.330	47.830	41.790
3	00:43:37	72.085%	999.800	989.600	72.118%	46.210	45.750	48.790	43.530
x		72.382%	986.800	982.400	71.752%	45.690	45.370	48.700	43.090
σ		1.590%	23.050	17.950	1.425%	1.255	0.905	0.835	1.146
%RSD		2.197	2.336	1.827	1.987	2.748	1.996	1.714	2.659
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:42:11	71.194%	1922.000	466.800	467.100	1947.000	1941.000	73.378%	74.555%
2	00:42:54	74.409%	1853.000	453.500	449.400	1863.000	1838.000	77.884%	77.849%
3	00:43:37	73.490%	1924.000	469.200	464.500	1927.000	1918.000	77.870%	77.275%
x		73.031%	1900.000	463.200	460.300	1912.000	1899.000	76.378%	76.560%
σ		1.656%	40.370	8.424	9.542	44.110	54.020	2.598%	1.759%
%RSD		2.268	2.125	1.819	2.073	2.307	2.845	3.401	2.298
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:42:11	48.840	49.480	18.770	20.810	19.910	69.277%		
2	00:42:54	46.410	47.220	18.490	19.940	19.180	73.190%		
3	00:43:37	48.490	48.990	18.990	21.000	20.000	71.867%		
x		47.910	48.560	18.750	20.580	19.700	71.445%		
σ		1.315	1.191	0.252	0.568	0.451	1.990%		
%RSD		2.744	2.452	1.343	2.759	2.291	2.786		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:25	63.007%	7.314	82.860	83.910	0.000	12300.000	31860.000	32810.000
2	00:51:08	64.437%	6.984	80.800	82.680	0.000	12290.000	32050.000	33740.000
3	00:51:51	64.332%	7.306	78.690	82.250	0.000	12310.000	31850.000	33400.000
x		63.925%	7.202	80.790	82.940	0.000	12300.000	31920.000	33320.000
σ		0.797%	0.188	2.086	0.861	0.000	12.320	112.600	471.800
%RSD		1.246	2.614	2.583	1.038	0.000	0.100	0.353	1.416

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:25	124800.000	4682.000	0.000	18580.000	4957.000	4410.000	73.106%	994.800
2	00:51:08	123900.000	4684.000	0.000	18570.000	5105.000	4464.000	74.585%	1007.000
3	00:51:51	123800.000	4633.000	0.000	18390.000	5093.000	4476.000	75.223%	1000.000
x		124200.000	4666.000	0.000	18520.000	5052.000	4450.000	74.304%	1001.000
σ		539.000	29.030	0.000	105.600	81.990	35.290	1.086%	6.233
%RSD		0.434	0.622	0.000	0.570	1.623	0.793	1.461	0.623

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:25	179.600	165.400	17540.000	265200.000	269100.000	121.300	289.500	225.300
2	00:51:08	181.700	168.100	17630.000	263800.000	270100.000	123.200	294.500	229.200
3	00:51:51	177.700	166.400	17370.000	262400.000	266200.000	121.900	289.400	227.900
x		179.700	166.600	17510.000	263800.000	268500.000	122.200	291.100	227.400
σ		1.989	1.369	130.600	1399.000	1999.000	0.988	2.945	1.953
%RSD		1.107	0.822	0.746	0.530	0.745	0.809	1.012	0.859

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:25	227.600	626.900	637.200	239.900	1.043	3.452	0.000	1972.000
2	00:51:08	233.700	632.300	639.600	240.400	1.254	4.135	0.000	1885.000
3	00:51:51	225.800	635.800	641.900	238.400	1.940	4.434	0.000	1949.000
x		229.000	631.700	639.600	239.600	1.412	4.007	0.000	1935.000
σ		4.143	4.508	2.312	1.028	0.469	0.503	0.000	44.840
%RSD		1.809	0.714	0.361	0.429	33.230	12.550	0.000	2.317

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:25	0.000	277.400	278.300	69.807%	0.236	0.189	1.457	1.045
2	00:51:08	0.000	278.300	280.900	72.798%	0.294	0.191	1.772	1.306
3	00:51:51	0.000	282.200	280.000	72.739%	0.286	0.215	1.745	1.339
x		0.000	279.300	279.700	71.781%	0.272	0.199	1.658	1.230
σ		0.000	2.552	1.349	1.710%	0.031	0.014	0.174	0.161
%RSD		0.000	0.914	0.482	2.382	11.540	7.260	10.520	13.080

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:25	72.105%	2.541	0.344	0.347	977.300	965.400	83.517%	82.411%
2	00:51:08	74.991%	2.244	0.354	0.350	971.900	977.000	86.858%	86.834%
3	00:51:51	75.943%	2.070	0.377	0.299	981.300	968.000	89.273%	88.961%
x		74.346%	2.285	0.358	0.332	976.800	970.100	86.549%	86.069%
σ		1.999%	0.238	0.017	0.029	4.743	6.118	2.890%	3.341%
%RSD		2.688	10.420	4.649	8.635	0.486	0.631	3.340	3.882

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:25	1.419	1.407	577.300	591.600	593.200	71.168%
2	00:51:08	1.369	1.381	583.900	597.800	598.500	73.749%
3	00:51:51	1.378	1.389	573.200	583.800	586.600	75.597%
x		1.388	1.392	578.100	591.100	592.800	73.505%
σ		0.027	0.013	5.408	7.030	5.979	2.225%
%RSD		1.926	0.969	0.935	1.189	1.009	3.027

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:38	68.468%	1.426	15.480	17.290	0.000	2408.000	6608.000	6631.000
2	00:59:21	69.785%	1.575	16.510	17.930	0.000	2402.000	6641.000	6678.000
3	01:00:04	70.568%	1.382	17.590	17.370	0.000	2355.000	6332.000	6341.000
x		69.607%	1.461	16.530	17.530	0.000	2389.000	6527.000	6550.000
σ		1.061%	0.101	1.058	0.352	0.000	29.120	169.600	182.100
%RSD		1.525	6.926	6.399	2.006	0.000	1.219	2.598	2.781
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:38	25590.000	819.000	0.000	3678.000	1135.000	905.800	72.014%	201.100
2	00:59:21	25410.000	821.200	0.000	3632.000	1049.000	900.400	72.645%	215.800
3	01:00:04	24300.000	774.300	0.000	3495.000	1032.000	850.800	74.382%	197.800
x		25100.000	804.800	0.000	3602.000	1072.000	885.700	73.014%	204.900
σ		698.400	26.490	0.000	94.880	55.300	30.310	1.226%	9.548
%RSD		2.782	3.291	0.000	2.634	5.160	3.422	1.679	4.660
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:38	37.070	34.340	3569.000	53960.000	51880.000	24.360	57.830	44.460
2	00:59:21	36.980	34.820	3618.000	54360.000	52670.000	24.800	58.820	44.970
3	01:00:04	34.720	33.050	3423.000	51850.000	50220.000	23.650	55.700	42.630
x		36.250	34.070	3537.000	53390.000	51590.000	24.270	57.450	44.020
σ		1.333	0.917	101.300	1349.000	1248.000	0.581	1.595	1.234
%RSD		3.677	2.693	2.863	2.526	2.420	2.393	2.775	2.803
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:38	44.030	120.100	119.100	44.560	-0.845	-0.358	0.000	312.000
2	00:59:21	45.320	122.100	121.200	44.910	-0.769	-0.503	0.000	319.600
3	01:00:04	42.880	116.400	117.100	42.790	-0.728	-1.603	0.000	308.800
x		44.080	119.500	119.100	44.090	-0.780	-0.821	0.000	313.400
σ		1.223	2.894	2.072	1.135	0.059	0.681	0.000	5.565
%RSD		2.774	2.421	1.739	2.575	7.614	82.870	0.000	1.776
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:38	88.278%	47.740	51.060	73.135%	0.045	0.029	0.332	0.275
2	00:59:21	89.106%	51.030	51.680	74.007%	0.034	0.036	0.324	0.272
3	01:00:04	90.750%	48.490	50.040	76.563%	0.048	0.055	0.316	0.166
x		89.378%	49.080	50.930	74.568%	0.042	0.040	0.324	0.238
σ		1.258%	1.724	0.824	1.782%	0.007	0.014	0.008	0.062
%RSD		1.408	3.512	1.618	2.389	17.490	34.060	2.530	26.070
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:38	74.001%	0.457	0.088	0.041	207.500	207.200	77.470%	78.462%
2	00:59:21	75.606%	0.463	0.060	0.051	209.300	209.200	79.957%	80.098%
3	01:00:04	79.018%	0.439	0.079	0.041	198.000	195.500	82.957%	82.982%
x		76.209%	0.453	0.076	0.044	204.900	204.000	80.128%	80.514%
σ		2.562%	0.012	0.014	0.006	6.098	7.415	2.748%	2.289%
%RSD		3.362	2.743	18.520	13.210	2.975	3.636	3.429	2.842
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:58:38	0.310	0.261	115.500	118.700	118.400	73.498%		
2	00:59:21	0.295	0.285	119.800	122.900	122.500	73.873%		
3	01:00:04	0.258	0.239	113.800	115.400	116.000	76.619%		
x		0.287	0.262	116.400	119.000	119.000	74.663%		
σ		0.027	0.023	3.069	3.734	3.289	1.704%		
%RSD		9.414	8.770	2.638	3.138	2.765	2.282		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:52	63.203%	7.636	78.530	78.030	0.000	12430.000	32580.000	34020.000
2	01:07:35	63.389%	7.970	78.210	78.000	0.000	12460.000	32720.000	33710.000
3	01:08:17	65.715%	7.198	80.930	74.830	0.000	11790.000	29810.000	31380.000
x		64.102%	7.601	79.230	76.950	0.000	12230.000	31700.000	33030.000
σ		1.400%	0.387	1.485	1.838	0.000	378.100	1642.000	1443.000
%RSD		2.184	5.091	1.875	2.388	0.000	3.093	5.179	4.368
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:52	125700.000	4882.000	0.000	18740.000	12180.000	11230.000	73.013%	1028.000
2	01:07:35	125500.000	4863.000	0.000	18710.000	11760.000	11300.000	74.149%	1023.000
3	01:08:17	119400.000	4582.000	0.000	17750.000	11430.000	10760.000	75.978%	972.300
x		123500.000	4776.000	0.000	18400.000	11790.000	11100.000	74.380%	1008.000
σ		3555.000	168.000	0.000	563.300	375.700	292.100	1.496%	30.780
%RSD		2.877	3.517	0.000	3.062	3.186	2.633	2.011	3.055
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:52	180.700	167.000	16900.000	271800.000	275700.000	121.200	287.800	227.600
2	01:07:35	177.500	167.900	16670.000	268200.000	273100.000	120.600	287.600	226.300
3	01:08:17	173.800	161.200	16110.000	258000.000	262300.000	114.800	278.200	218.700
x		177.300	165.400	16560.000	266000.000	270400.000	118.900	284.500	224.200
σ		3.470	3.614	410.500	7169.000	7092.000	3.541	5.478	4.796
%RSD		1.957	2.185	2.479	2.695	2.623	2.979	1.925	2.139
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:52	228.000	621.800	620.500	240.000	1.056	3.729	0.000	1653.000
2	01:07:35	231.600	625.700	631.100	239.400	1.653	4.647	0.000	1671.000
3	01:08:17	220.300	599.700	604.400	232.400	1.008	4.339	0.000	1623.000
x		226.600	615.800	618.700	237.300	1.239	4.238	0.000	1649.000
σ		5.795	14.020	13.450	4.197	0.359	0.468	0.000	24.300
%RSD		2.557	2.276	2.173	1.769	29.010	11.030	0.000	1.473
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:52	0.000	302.500	303.000	69.905%	0.226	0.200	1.388	1.160
2	01:07:35	0.000	303.100	304.500	71.944%	0.281	0.176	1.623	1.276
3	01:08:17	0.000	295.600	294.200	73.625%	0.308	0.155	1.291	0.994
x		0.000	300.400	300.600	71.825%	0.272	0.177	1.434	1.143
σ		0.000	4.188	5.521	1.863%	0.042	0.023	0.171	0.141
%RSD		0.000	1.394	1.837	2.594	15.370	12.880	11.890	12.370
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:06:52	71.686%	1.289	0.237	0.221	957.200	941.700	83.083%	83.229%
2	01:07:35	73.671%	1.228	0.210	0.210	946.900	935.400	86.395%	86.636%
3	01:08:17	77.147%	1.026	0.244	0.253	911.900	897.200	88.846%	87.937%
x		74.168%	1.181	0.230	0.228	938.700	924.800	86.108%	85.934%
σ		2.764%	0.138	0.018	0.022	23.740	24.040	2.892%	2.431%
%RSD		3.727	11.660	7.852	9.665	2.529	2.600	3.359	2.829
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:06:52	1.328	1.346	508.500	521.600	523.000	70.134%		
2	01:07:35	1.378	1.374	512.900	524.400	524.700	72.608%		
3	01:08:17	1.242	1.270	484.400	491.300	494.700	76.520%		
x		1.316	1.330	501.900	512.400	514.100	73.087%		
σ		0.068	0.054	15.380	18.350	16.860	3.220%		
%RSD		5.195	4.045	3.064	3.581	3.280	4.405		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:05	60.620%	59.500	1091.000	1072.000	0.000	62990.000	89170.000	89090.000
2	01:15:48	59.635%	60.970	1134.000	1128.000	0.000	64300.000	89860.000	90550.000
3	01:16:31	60.148%	61.400	1134.000	1125.000	0.000	63720.000	90140.000	89910.000
x		60.134%	60.620	1120.000	1108.000	0.000	63670.000	89720.000	89850.000
σ		0.493%	0.993	24.580	31.290	0.000	658.400	499.400	731.800
%RSD		0.819	1.638	2.195	2.824	0.000	1.034	0.557	0.814
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:05	191900.000	15850.000	0.000	78020.000	51010.000	49650.000	73.342%	1945.000
2	01:15:48	193100.000	15720.000	0.000	78210.000	53060.000	50130.000	73.717%	1978.000
3	01:16:31	192900.000	15860.000	0.000	77950.000	52470.000	49850.000	74.179%	1962.000
x		192700.000	15810.000	0.000	78060.000	52180.000	49880.000	73.746%	1962.000
σ		671.000	81.770	0.000	136.900	1057.000	237.000	0.419%	16.650
%RSD		0.348	0.517	0.000	0.175	2.026	0.475	0.568	0.849
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:05	746.600	403.600	18430.000	281500.000	286800.000	607.900	762.800	471.800
2	01:15:48	743.000	404.800	18510.000	280600.000	285500.000	606.700	766.900	472.500
3	01:16:31	742.900	403.400	18330.000	279700.000	284900.000	605.400	768.000	467.300
x		744.200	404.000	18430.000	280600.000	285700.000	606.700	765.900	470.500
σ		2.097	0.750	92.290	909.800	987.900	1.284	2.731	2.808
%RSD		0.282	0.186	0.501	0.324	0.346	0.212	0.356	0.597
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:05	478.000	1078.000	1098.000	269.600	9.494	12.710	0.000	2771.000
2	01:15:48	476.300	1090.000	1098.000	275.000	10.100	12.910	0.000	2744.000
3	01:16:31	472.900	1096.000	1103.000	273.800	9.401	12.890	0.000	2747.000
x		475.700	1088.000	1100.000	272.800	9.666	12.840	0.000	2754.000
σ		2.585	9.401	3.264	2.849	0.381	0.110	0.000	15.000
%RSD		0.543	0.864	0.297	1.044	3.944	0.860	0.000	0.545
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:05	0.000	1293.000	1294.000	66.492%	49.750	48.260	52.770	49.710
2	01:15:48	0.000	1303.000	1304.000	68.123%	49.480	49.230	52.440	50.040
3	01:16:31	0.000	1308.000	1303.000	68.957%	48.330	48.910	51.750	49.340
x		0.000	1301.000	1300.000	67.857%	49.190	48.800	52.320	49.700
σ		0.000	7.783	5.293	1.254%	0.751	0.494	0.522	0.348
%RSD		0.000	0.598	0.407	1.848	1.526	1.013	0.997	0.701
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:15:05	68.956%	593.400	137.500	135.400	2971.000	2933.000	81.304%	80.755%
2	01:15:48	70.657%	599.900	138.100	137.700	3003.000	2957.000	85.063%	83.467%
3	01:16:31	72.063%	596.100	136.600	136.400	2978.000	2928.000	84.923%	84.617%
x		70.558%	596.400	137.400	136.500	2984.000	2939.000	83.763%	82.946%
σ		1.556%	3.241	0.730	1.125	16.720	15.200	2.131%	1.983%
%RSD		2.205	0.543	0.531	0.824	0.560	0.517	2.544	2.391
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:15:05	50.680	51.470	599.800	613.700	613.200	67.959%		
2	01:15:48	51.060	51.440	605.600	620.300	621.800	70.085%		
3	01:16:31	51.050	51.380	601.500	618.600	620.000	70.635%		
x		50.930	51.430	602.300	617.500	618.300	69.560%		
σ		0.218	0.047	2.965	3.423	4.561	1.414%		
%RSD		0.429	0.091	0.492	0.554	0.738	2.032		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:45	60.709%	64.410	1140.000	1131.000	0.000	68310.000	89720.000	89890.000
2	01:25:28	61.365%	60.730	1164.000	1153.000	0.000	68150.000	89180.000	89500.000
3	01:26:11	61.286%	59.130	1145.000	1129.000	0.000	66260.000	86420.000	86960.000
x		61.120%	61.430	1150.000	1138.000	0.000	67570.000	88440.000	88780.000
σ		0.358%	2.705	12.510	13.480	0.000	1138.000	1770.000	1589.000
%RSD		0.586	4.404	1.088	1.185	0.000	1.684	2.002	1.789

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:45	123800.000	16560.000	0.000	72520.000	58380.000	55590.000	71.632%	2028.000
2	01:25:28	123100.000	16320.000	0.000	71680.000	57590.000	55090.000	73.054%	2030.000
3	01:26:11	120300.000	15780.000	0.000	69550.000	56240.000	54210.000	73.469%	1968.000
x		122400.000	16220.000	0.000	71250.000	57410.000	54960.000	72.718%	2009.000
σ		1860.000	400.300	0.000	1533.000	1084.000	701.700	0.963%	35.620
%RSD		1.520	2.468	0.000	2.151	1.889	1.277	1.325	1.773

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:45	694.700	367.600	17490.000	258000.000	262700.000	642.200	805.700	480.400
2	01:25:28	689.800	365.700	17340.000	253500.000	257300.000	640.300	795.600	476.300
3	01:26:11	677.900	360.400	16920.000	248900.000	252400.000	624.800	777.200	469.900
x		687.500	364.600	17250.000	253500.000	257500.000	635.800	792.800	475.600
σ		8.667	3.759	294.200	4573.000	5145.000	9.547	14.420	5.289
%RSD		1.261	1.031	1.706	1.804	1.998	1.502	1.819	1.112

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:45	485.900	1118.000	1119.000	277.100	11.560	15.880	0.000	3101.000
2	01:25:28	482.600	1116.000	1126.000	273.300	12.770	12.320	0.000	3050.000
3	01:26:11	479.000	1091.000	1108.000	265.100	12.200	11.830	0.000	2947.000
x		482.500	1108.000	1118.000	271.800	12.180	13.340	0.000	3033.000
σ		3.466	15.060	9.300	6.140	0.607	2.211	0.000	78.800
%RSD		0.718	1.359	0.832	2.259	4.987	16.570	0.000	2.598

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:45	0.000	1429.000	1427.000	66.962%	55.590	54.360	54.400	48.270
2	01:25:28	0.000	1436.000	1437.000	69.262%	54.840	54.290	55.240	49.570
3	01:26:11	0.000	1406.000	1403.000	70.658%	52.670	53.240	55.700	48.230
x		0.000	1424.000	1422.000	68.960%	54.370	53.960	55.110	48.690
σ		0.000	15.510	17.590	1.866%	1.518	0.630	0.659	0.762
%RSD		0.000	1.089	1.237	2.706	2.792	1.168	1.197	1.564

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:45	69.331%	2192.000	517.000	520.500	3012.000	2984.000	80.979%	80.525%
2	01:25:28	71.567%	2200.000	527.100	529.300	3027.000	2995.000	83.122%	82.592%
3	01:26:11	73.243%	2148.000	518.100	517.900	2961.000	2905.000	84.923%	85.455%
x		71.380%	2180.000	520.700	522.500	3000.000	2962.000	83.008%	82.858%
σ		1.963%	27.660	5.525	5.956	34.590	48.940	1.974%	2.475%
%RSD		2.750	1.269	1.061	1.140	1.153	1.653	2.378	2.987

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:45	55.860	56.560	591.900	601.600	602.400	68.051%
2	01:25:28	55.120	56.260	587.300	599.500	601.500	70.766%
3	01:26:11	54.010	54.370	570.400	587.300	586.400	72.286%
x		55.000	55.730	583.200	596.100	596.700	70.368%
σ		0.931	1.187	11.340	7.738	8.999	2.145%
%RSD		1.692	2.130	1.944	1.298	1.508	3.049

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:00	58.948%	6.093	144.800	136.100	0.000	2187.000	12400.000	12520.000
2	01:33:43	61.316%	6.116	147.300	140.800	0.000	2189.000	12490.000	12550.000
3	01:34:26	62.455%	6.043	136.700	130.900	0.000	2099.000	11910.000	11900.000
x		60.906%	6.084	142.900	135.900	0.000	2158.000	12270.000	12320.000
σ		1.789%	0.038	5.541	4.955	0.000	51.120	310.900	364.000
%RSD		2.937	0.619	3.877	3.645	0.000	2.368	2.534	2.953

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:00	94560.000	4881.000	0.000	17540.000	9694.000	7642.000	69.778%	941.700
2	01:33:43	94360.000	4892.000	0.000	17780.000	10020.000	7885.000	69.454%	964.700
3	01:34:26	88030.000	4507.000	0.000	16600.000	9492.000	7347.000	71.538%	910.300
x		92320.000	4760.000	0.000	17310.000	9736.000	7625.000	70.257%	938.900
σ		3716.000	219.200	0.000	623.600	266.800	269.300	1.122%	27.310
%RSD		4.025	4.604	0.000	3.603	2.740	3.532	1.597	2.909

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:00	179.400	90.840	24420.000	177500.000	180900.000	185.600	92.260	57.580
2	01:33:43	184.700	93.820	24920.000	181000.000	184300.000	191.100	95.960	59.850
3	01:34:26	173.500	88.110	23310.000	169800.000	172900.000	180.100	87.290	55.290
x		179.200	90.930	24220.000	176100.000	179300.000	185.600	91.840	57.580
σ		5.583	2.853	823.900	5763.000	5860.000	5.494	4.352	2.280
%RSD		3.116	3.138	3.403	3.272	3.267	2.960	4.738	3.960

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:00	57.020	363.200	365.000	1443.000	2.442	3.678	0.000	8026.000
2	01:33:43	60.380	378.100	384.200	1495.000	3.090	4.719	0.000	8189.000
3	01:34:26	55.640	356.200	355.300	1411.000	2.634	4.633	0.000	7663.000
x		57.680	365.800	368.200	1450.000	2.722	4.343	0.000	7960.000
σ		2.435	11.170	14.690	41.990	0.333	0.578	0.000	269.300
%RSD		4.222	3.055	3.990	2.896	12.230	13.310	0.000	3.383

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:00	0.000	1719.000	1709.000	69.663%	0.374	0.383	2.071	2.053
2	01:33:43	0.000	1770.000	1762.000	69.884%	0.386	0.345	2.225	1.934
3	01:34:26	0.000	1672.000	1664.000	72.379%	0.360	0.320	2.211	1.849
x		0.000	1720.000	1712.000	70.642%	0.373	0.349	2.169	1.945
σ		0.000	48.530	48.860	1.508%	0.013	0.032	0.085	0.102
%RSD		0.000	2.821	2.854	2.135	3.544	9.153	3.939	5.264

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:00	70.947%	4.356	2.435	2.367	989.800	977.100	78.161%	76.811%
2	01:33:43	72.124%	4.009	2.175	1.984	1025.000	1012.000	78.968%	78.656%
3	01:34:26	74.696%	3.110	1.451	1.472	970.000	954.600	81.600%	81.627%
x		72.589%	3.825	2.021	1.941	994.800	981.200	79.576%	79.031%
σ		1.917%	0.643	0.510	0.449	27.670	28.770	1.798%	2.430%
%RSD		2.641	16.800	25.240	23.130	2.782	2.932	2.260	3.075

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:00	1.340	1.391	216.100	215.800	216.000	69.351%
2	01:33:43	1.394	1.418	223.600	225.100	225.600	69.511%
3	01:34:26	1.344	1.330	204.200	203.500	205.400	74.457%
x		1.359	1.379	214.600	214.800	215.700	71.107%
σ		0.030	0.045	9.786	10.800	10.090	2.903%
%RSD		2.235	3.261	4.559	5.026	4.678	4.082

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:41:14	63.154%	3.671	115.700	115.000	0.000	6585.000	19870.000	20070.000
2	01:41:57	63.382%	3.568	121.300	119.700	0.000	6551.000	19830.000	20120.000
3	01:42:40	64.337%	3.665	122.900	119.800	0.000	6548.000	19850.000	19890.000
x		63.624%	3.634	120.000	118.200	0.000	6561.000	19850.000	20030.000
σ		0.628%	0.058	3.794	2.737	0.000	20.610	19.960	121.100
%RSD		0.987	1.595	3.162	2.316	0.000	0.314	0.101	0.605

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:41:14	110400.000	4563.000	0.000	26350.000	2704.000	2390.000	69.696%	925.700
2	01:41:57	109600.000	4567.000	0.000	26240.000	2519.000	2382.000	71.122%	917.900
3	01:42:40	109100.000	4523.000	0.000	26110.000	2567.000	2405.000	71.194%	922.500
x		109700.000	4551.000	0.000	26230.000	2597.000	2392.000	70.670%	922.000
σ		650.700	24.140	0.000	121.500	96.060	11.750	0.845%	3.937
%RSD		0.593	0.530	0.000	0.463	3.699	0.491	1.196	0.427

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:41:14	183.400	127.700	4133.000	193800.000	197800.000	59.130	118.800	99.810
2	01:41:57	183.600	125.600	4091.000	191500.000	194600.000	59.790	116.700	98.870
3	01:42:40	182.200	126.400	4073.000	190000.000	194600.000	59.130	118.100	99.790
x		183.100	126.600	4099.000	191800.000	195700.000	59.350	117.900	99.490
σ		0.742	1.091	31.130	1937.000	1835.000	0.379	1.049	0.539
%RSD		0.405	0.862	0.760	1.010	0.938	0.638	0.890	0.541

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:41:14	102.000	295.400	297.600	70.890	1.390	3.280	0.000	134.600
2	01:41:57	100.400	294.800	297.000	69.170	2.046	3.718	0.000	133.800
3	01:42:40	101.800	292.300	296.700	69.030	1.650	1.104	0.000	134.900
x		101.400	294.200	297.100	69.690	1.695	2.701	0.000	134.400
σ		0.840	1.628	0.453	1.037	0.330	1.400	0.000	0.577
%RSD		0.829	0.554	0.153	1.488	19.480	51.840	0.000	0.429

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:41:14	0.000	2637.000	2623.000	68.508%	0.330	0.207	1.357	1.218
2	01:41:57	0.000	2607.000	2613.000	70.530%	0.250	0.220	1.817	1.404
3	01:42:40	0.000	2637.000	2614.000	70.894%	0.288	0.187	1.504	1.292
x		0.000	2627.000	2617.000	69.977%	0.290	0.205	1.559	1.305
σ		0.000	17.340	5.433	1.285%	0.040	0.017	0.235	0.094
%RSD		0.000	0.660	0.208	1.837	13.750	8.096	15.040	7.170

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:41:14	70.385%	2.161	0.604	0.543	513.100	509.500	75.343%	76.276%
2	01:41:57	73.425%	2.190	0.634	0.575	502.300	499.800	78.705%	78.591%
3	01:42:40	74.257%	2.117	0.500	0.553	513.000	496.100	79.310%	78.843%
x		72.689%	2.156	0.579	0.557	509.500	501.800	77.786%	77.903%
σ		2.038%	0.037	0.070	0.016	6.191	6.939	2.137%	1.415%
%RSD		2.804	1.700	12.080	2.957	1.215	1.383	2.748	1.816

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:41:14	1.082	1.064	110.900	109.500	110.200	68.932%
2	01:41:57	1.073	1.099	111.100	108.800	110.100	71.267%
3	01:42:40	1.073	1.066	111.300	109.100	110.600	71.860%
x		1.076	1.077	111.100	109.100	110.300	70.686%
σ		0.005	0.020	0.154	0.338	0.295	1.548%
%RSD		0.496	1.843	0.139	0.310	0.267	2.190

240-22274-B-25-C 4/13/2013 1:50:12 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:55	61.647%	8.292	43.800	42.260	0.000	736.900	38950.000	39420.000
2	01:51:38	64.925%	7.451	43.930	41.120	0.000	713.800	38290.000	38530.000
3	01:52:21	66.230%	7.362	37.000	40.030	0.000	688.700	36300.000	36860.000
x		64.267%	7.702	41.580	41.140	0.000	713.100	37850.000	38270.000
σ		2.361%	0.513	3.961	1.113	0.000	24.130	1382.000	1301.000
%RSD		3.674	6.666	9.527	2.706	0.000	3.383	3.651	3.400

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:55	136000.000	5216.000	0.000	12640.000	9568.000	9346.000	73.922%	1076.000
2	01:51:38	132800.000	5098.000	0.000	12460.000	9971.000	9422.000	75.362%	1081.000
3	01:52:21	126900.000	4842.000	0.000	11870.000	9607.000	8938.000	77.281%	1021.000
x		131900.000	5052.000	0.000	12320.000	9715.000	9235.000	75.522%	1060.000
σ		4641.000	191.000	0.000	406.900	222.300	260.700	1.685%	33.130
%RSD		3.518	3.780	0.000	3.302	2.288	2.823	2.232	3.127

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:55	192.900	170.300	11390.000	278000.000	284100.000	118.300	282.900	231.100
2	01:51:38	193.200	171.500	11300.000	275400.000	281100.000	119.200	286.200	232.100
3	01:52:21	185.400	164.400	10840.000	264100.000	269100.000	114.600	271.300	222.100
x		190.500	168.700	11180.000	272500.000	278100.000	117.400	280.100	228.400
σ		4.424	3.794	300.300	7439.000	7927.000	2.414	7.831	5.503
%RSD		2.322	2.249	2.686	2.730	2.850	2.056	2.795	2.409

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:55	232.100	605.500	607.100	203.900	1.474	3.978	0.000	1076.000
2	01:51:38	234.200	607.800	616.100	204.700	1.975	3.902	0.000	1086.000
3	01:52:21	222.100	581.100	586.100	196.100	1.462	3.871	0.000	1032.000
x		229.500	598.200	603.100	201.600	1.637	3.917	0.000	1065.000
σ		6.483	14.780	15.400	4.732	0.293	0.055	0.000	28.800
%RSD		2.825	2.471	2.553	2.348	17.910	1.410	0.000	2.705

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:55	0.000	27.200	27.740	69.880%	0.274	0.213	2.153	1.372
2	01:51:38	0.000	27.480	28.500	71.882%	0.290	0.165	1.678	1.191
3	01:52:21	0.000	25.940	26.110	73.816%	0.312	0.169	1.413	1.185
x		0.000	26.870	27.450	71.859%	0.292	0.182	1.748	1.249
σ		0.000	0.822	1.221	1.968%	0.019	0.026	0.375	0.106
%RSD		0.000	3.060	4.447	2.739	6.570	14.520	21.470	8.519

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:55	72.314%	1.494	0.416	0.361	873.200	856.200	83.790%	82.811%
2	01:51:38	74.708%	1.566	0.391	0.363	880.600	858.100	87.368%	87.035%
3	01:52:21	77.343%	1.335	0.398	0.415	829.900	818.700	89.103%	87.639%
x		74.789%	1.465	0.402	0.380	861.200	844.300	86.754%	85.828%
σ		2.516%	0.118	0.013	0.031	27.380	22.210	2.709%	2.630%
%RSD		3.364	8.055	3.205	8.035	3.179	2.631	3.123	3.065

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:55	1.896	1.882	371.700	380.100	380.700	70.062%
2	01:51:38	1.889	1.980	378.200	382.800	384.700	72.134%
3	01:52:21	1.810	1.761	353.300	361.200	361.600	75.670%
x		1.865	1.875	367.700	374.700	375.700	72.622%
σ		0.048	0.110	12.890	11.760	12.330	2.835%
%RSD		2.562	5.853	3.505	3.137	3.283	3.904

240-22274-B-26-C 4/13/2013 1:58:27 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:10	66.894%	2.069	16.060	18.670	0.000	320.600	9890.000	10060.000
2	01:59:53	67.946%	1.955	18.790	18.070	0.000	319.600	9854.000	9947.000
3	02:00:36	68.293%	2.484	16.640	17.650	0.000	320.000	9989.000	10030.000
x		67.711%	2.170	17.160	18.130	0.000	320.100	9911.000	10010.000
σ		0.729%	0.278	1.441	0.510	0.000	0.522	69.790	59.230
%RSD		1.076	12.830	8.397	2.814	0.000	0.163	0.704	0.592

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:10	34590.000	4589.000	0.000	5815.000	3705.000	3779.000	71.122%	304.400
2	01:59:53	34300.000	4553.000	0.000	5750.000	3743.000	3773.000	72.799%	296.700
3	02:00:36	34360.000	4588.000	0.000	5810.000	4006.000	3791.000	72.569%	309.200
x		34410.000	4577.000	0.000	5792.000	3818.000	3781.000	72.163%	303.400
σ		153.500	20.350	0.000	36.180	163.900	8.869	0.909%	6.273
%RSD		0.446	0.445	0.000	0.625	4.293	0.234	1.260	2.067

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:10	63.890	62.990	3574.000	139300.000	141600.000	60.810	149.000	75.440
2	01:59:53	62.820	62.370	3504.000	136400.000	138800.000	59.270	146.000	74.630
3	02:00:36	64.270	63.320	3545.000	138300.000	139800.000	60.920	144.800	76.700
x		63.660	62.900	3541.000	138000.000	140100.000	60.330	146.600	75.590
σ		0.754	0.483	35.240	1486.000	1384.000	0.922	2.127	1.045
%RSD		1.184	0.768	0.995	1.077	0.988	1.528	1.451	1.383

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:10	77.160	232.400	233.300	173.400	0.847	0.634	0.000	32.650
2	01:59:53	74.120	229.300	237.000	173.200	0.375	1.157	0.000	32.510
3	02:00:36	76.530	235.700	239.400	175.200	-0.518	1.409	0.000	32.840
x		75.940	232.500	236.600	173.900	0.235	1.067	0.000	32.670
σ		1.605	3.202	3.120	1.078	0.693	0.396	0.000	0.168
%RSD		2.113	1.377	1.319	0.620	295.000	37.080	0.000	0.513

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:10	0.000	4.779	4.683	71.590%	0.093	0.058	0.765	0.689
2	01:59:53	0.000	4.580	4.659	73.198%	0.103	0.051	0.440	0.361
3	02:00:36	0.000	4.598	4.671	73.795%	0.065	0.046	0.813	0.671
x		0.000	4.653	4.671	72.861%	0.087	0.052	0.672	0.574
σ		0.000	0.110	0.012	1.140%	0.019	0.006	0.203	0.184
%RSD		0.000	2.364	0.259	1.565	22.250	12.190	30.170	32.110

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:10	72.952%	2.062	0.469	0.505	200.300	198.300	78.779%	78.496%
2	01:59:53	75.235%	2.093	0.468	0.457	195.600	198.200	82.101%	81.288%
3	02:00:36	75.762%	1.956	0.486	0.512	201.000	199.100	82.142%	81.690%
x		74.649%	2.037	0.474	0.491	199.000	198.500	81.007%	80.491%
σ		1.494%	0.072	0.010	0.030	2.970	0.463	1.930%	1.740%
%RSD		2.001	3.515	2.181	6.124	1.493	0.233	2.382	2.161

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:10	0.870	0.868	69.280	69.350	69.540	70.573%
2	01:59:53	0.892	0.893	69.070	68.960	68.890	73.290%
3	02:00:36	0.879	0.935	69.270	69.340	69.140	73.413%
x		0.880	0.899	69.200	69.220	69.190	72.425%
σ		0.011	0.034	0.120	0.220	0.329	1.606%
%RSD		1.284	3.737	0.173	0.319	0.475	2.217

CCV 781130 4/13/2013 2:06:41 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:24	72.619%	103.200	93.980	102.600	0.000	51530.000	52140.000	52610.000
2	02:08:07	71.069%	103.700	109.900	105.800	0.000	52680.000	53470.000	53610.000
3	02:08:50	70.428%	104.000	110.400	107.700	0.000	52530.000	53230.000	53400.000
x		71.372%	103.659%	104.755%	105.376%	0.000	104.488%	105.898%	106.412%
σ		1.126%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.578	0.408	8.914	2.447	0.000	1.196	1.339	0.990

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:24	534.200	4996.000	0.000	52690.000	50590.000	49530.000	74.733%	97.830
2	02:08:07	544.500	5093.000	0.000	53300.000	51640.000	49770.000	73.758%	103.100
3	02:08:50	538.400	5010.000	0.000	52610.000	51370.000	49310.000	74.630%	102.500
x		107.807%	100.659%	0.000	105.738%	102.401%	99.068%	74.373%	101.174%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.536%	n/a
%RSD		0.960	1.035	0.000	0.717	1.069	0.467	0.720	2.876

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:24	101.800	100.700	507.800	26480.000	25550.000	103.600	103.300	103.100
2	02:08:07	101.400	102.400	514.600	26600.000	25910.000	104.000	106.900	105.400
3	02:08:50	100.900	102.100	512.400	26100.000	25620.000	102.500	102.200	102.500
x		101.403%	101.719%	102.318%	105.578%	102.778%	103.394%	104.139%	103.682%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.448	0.894	0.680	0.983	0.729	0.738	2.378	1.484

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:24	103.100	98.780	101.200	103.500	98.190	105.600	0.000	104.700
2	02:08:07	106.100	99.980	100.300	101.300	101.300	101.800	0.000	105.100
3	02:08:50	104.100	99.570	102.000	100.400	100.300	107.800	0.000	105.000
x		104.414%	99.443%	101.155%	101.724%	99.919%	105.065%	0.000	104.946%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.468	0.615	0.842	1.558	1.574	2.897	0.000	0.178

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:24	72.927%	105.300	104.400	70.102%	107.600	106.000	105.600	102.900
2	02:08:07	73.273%	107.300	107.000	71.231%	107.700	106.800	106.100	105.000
3	02:08:50	73.332%	108.100	108.000	71.285%	106.700	106.900	107.200	105.400
x		73.177%	106.910%	106.464%	70.873%	107.322%	106.563%	106.315%	104.422%
σ		0.219%	n/a	n/a	0.668%	n/a	n/a	n/a	n/a
%RSD		0.299	1.331	1.758	0.942	0.487	0.498	0.762	1.301

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:24	71.684%	105.000	105.400	103.900	105.900	106.300	74.601%	74.889%
2	02:08:07	72.148%	104.000	104.300	104.200	111.300	107.100	75.187%	76.165%
3	02:08:50	72.117%	105.400	104.300	105.100	108.000	106.000	75.589%	76.396%
x		71.983%	104.784%	104.658%	104.418%	108.402%	106.458%	75.126%	75.817%
σ		0.260%	n/a	n/a	n/a	n/a	n/a	0.497%	0.811%
%RSD		0.361	0.690	0.593	0.593	2.484	0.546	0.661	1.070

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:24	107.300	107.800	107.700	108.600	108.200	68.814%
2	02:08:07	107.600	107.600	108.000	108.100	108.600	70.024%
3	02:08:50	108.400	108.100	108.000	108.400	108.400	70.058%
x		107.760%	107.807%	107.917%	108.381%	108.366%	69.632%
σ		n/a	n/a	n/a	n/a	n/a	0.708%
%RSD		0.520	0.263	0.188	0.216	0.198	1.017

CCB8 4/13/2013 2:14:56 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:39	86.657%	0.002	1.638	1.238	0.000	21.530	3.320	3.695
2	02:16:22	87.757%	-0.030	1.444	1.598	0.000	26.680	10.490	11.180
3	02:17:05	88.277%	0.048	1.032	1.458	0.000	36.120	10.110	11.820
x		87.564%	0.007	1.372	1.431	0.000	28.110	7.974	8.897
σ		0.827%	0.039	0.310	0.182	0.000	7.398	4.035	4.517
%RSD		0.945	592.300	22.570	12.690	0.000	26.320	50.600	50.770

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:39	-0.196	-187.000	0.000	-40.660	5.912	-43.990	83.987%	0.173
2	02:16:22	1.753	-183.700	0.000	-36.500	20.970	-38.090	85.229%	0.079
3	02:17:05	1.649	-181.900	0.000	-29.620	9.054	-23.590	83.719%	0.143
x		1.069	-184.200	0.000	-35.590	11.980	-35.230	84.312%	0.131
σ		1.097	2.599	0.000	5.576	7.945	10.500	0.805%	0.048
%RSD		102.600	1.411	0.000	15.670	66.320	29.810	0.955	36.670

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:39	-0.012	0.079	0.054	1.407	0.168	-0.014	-0.015	-0.076
2	02:16:22	0.011	0.118	0.414	7.231	6.700	0.000	-0.009	-0.079
3	02:17:05	-0.030	0.127	0.365	8.991	7.413	0.021	0.053	-0.032
x		-0.010	0.108	0.278	5.877	4.760	0.002	0.010	-0.062
σ		0.020	0.026	0.195	3.969	3.993	0.017	0.038	0.027
%RSD		199.400	23.850	70.380	67.550	83.880	726.300	390.600	42.780

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:39	-0.106	-1.105	-1.136	-0.130	-0.727	-1.042	0.000	0.014
2	02:16:22	-0.092	-1.104	-1.073	-0.120	-0.700	-1.300	0.000	0.060
3	02:17:05	-0.031	-1.136	-0.840	0.028	-0.168	-0.072	0.000	0.077
x		-0.076	-1.115	-1.016	-0.074	-0.532	-0.805	0.000	0.050
σ		0.040	0.018	0.156	0.089	0.315	0.647	0.000	0.033
%RSD		52.370	1.589	15.320	120.000	59.270	80.440	0.000	64.720

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:39	79.996%	0.211	0.256	91.183%	-0.014	-0.006	-0.058	-0.027
2	02:16:22	81.868%	0.316	0.241	93.612%	0.012	0.008	-0.031	0.015
3	02:17:05	80.033%	0.325	0.211	91.929%	0.016	0.010	-0.077	-0.066
x		80.632%	0.284	0.236	92.241%	0.005	0.004	-0.055	-0.026
σ		1.071%	0.063	0.023	1.245%	0.016	0.009	0.023	0.040
%RSD		1.328	22.240	9.582	1.349	353.600	231.600	42.050	157.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:39	83.940%	0.100	-0.014	-0.017	-0.003	0.006	85.847%	86.262%
2	02:16:22	86.391%	0.034	0.000	-0.010	0.030	0.038	88.361%	88.203%
3	02:17:05	85.623%	0.080	0.024	0.010	-0.027	0.103	88.347%	87.258%
x		85.318%	0.071	0.004	-0.006	0.000	0.049	87.518%	87.241%
σ		1.254%	0.034	0.019	0.014	0.029	0.050	1.447%	0.971%
%RSD		1.470	47.390	520.300	248.200	13320.000	101.600	1.654	1.113

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:39	0.017	0.025	0.010	-0.011	-0.001	80.843%
2	02:16:22	0.016	0.022	0.039	0.025	0.025	84.593%
3	02:17:05	0.026	0.030	0.040	0.024	0.029	81.832%
x		0.020	0.026	0.030	0.012	0.018	82.423%
σ		0.005	0.004	0.017	0.021	0.016	1.944%
%RSD		26.710	15.500	57.720	166.500	92.620	2.358

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:55	61.962%	7.325	41.180	41.040	0.000	531.300	37090.000	37750.000
2	02:24:38	64.872%	6.687	38.250	36.920	0.000	512.200	35920.000	36170.000
3	02:25:21	64.757%	6.177	39.300	37.970	0.000	519.500	35750.000	35880.000
x		63.864%	6.730	39.580	38.640	0.000	521.000	36260.000	36600.000
σ		1.648%	0.575	1.484	2.141	0.000	9.634	730.100	1007.000
%RSD		2.580	8.549	3.749	5.539	0.000	1.849	2.014	2.751

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:55	125600.000	6023.000	0.000	12810.000	17710.000	16920.000	72.510%	972.000
2	02:24:38	121300.000	5761.000	0.000	12330.000	16870.000	16540.000	75.154%	951.500
3	02:25:21	119100.000	5677.000	0.000	12320.000	17240.000	16340.000	74.948%	949.400
x		122000.000	5820.000	0.000	12490.000	17270.000	16600.000	74.204%	957.600
σ		3284.000	180.500	0.000	279.700	424.900	291.100	1.471%	12.490
%RSD		2.692	3.101	0.000	2.240	2.460	1.753	1.982	1.304

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:55	178.900	187.900	6470.000	270700.000	275800.000	117.200	293.300	197.500
2	02:24:38	175.600	184.700	6237.000	261800.000	267300.000	112.700	283.000	191.400
3	02:25:21	175.400	183.100	6176.000	258000.000	263500.000	112.600	283.500	190.800
x		176.600	185.200	6294.000	263500.000	268800.000	114.200	286.600	193.200
σ		1.969	2.458	155.000	6549.000	6299.000	2.630	5.804	3.695
%RSD		1.115	1.327	2.462	2.485	2.343	2.304	2.025	1.913

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:55	199.400	598.000	597.200	146.300	0.630	2.739	0.000	113.500
2	02:24:38	194.000	584.600	591.700	140.800	1.600	2.649	0.000	111.200
3	02:25:21	191.200	584.500	586.000	139.200	1.391	2.523	0.000	110.600
x		194.900	589.000	591.600	142.100	1.207	2.637	0.000	111.800
σ		4.167	7.769	5.634	3.746	0.511	0.109	0.000	1.554
%RSD		2.138	1.319	0.952	2.637	42.300	4.129	0.000	1.390

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:55	0.000	9.792	9.673	68.925%	0.228	0.191	1.203	1.076
2	02:24:38	0.000	9.391	9.894	72.084%	0.287	0.188	1.281	0.987
3	02:25:21	0.000	9.042	9.297	73.106%	0.234	0.192	1.540	1.235
x		0.000	9.408	9.621	71.372%	0.250	0.190	1.341	1.099
σ		0.000	0.375	0.302	2.180%	0.033	0.002	0.176	0.126
%RSD		0.000	3.989	3.139	3.054	13.230	0.956	13.160	11.420

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:55	70.204%	1.380	0.236	0.299	770.500	753.900	81.157%	79.970%
2	02:24:38	74.158%	1.309	0.228	0.259	763.400	744.200	85.249%	84.853%
3	02:25:21	76.039%	1.229	0.224	0.203	748.500	732.200	86.725%	86.014%
x		73.467%	1.306	0.229	0.254	760.800	743.400	84.377%	83.612%
σ		2.979%	0.076	0.006	0.048	11.210	10.870	2.885%	3.207%
%RSD		4.054	5.802	2.538	18.910	1.474	1.462	3.419	3.836

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:55	1.388	1.412	133.400	131.500	132.700	69.512%
2	02:24:38	1.457	1.439	133.700	132.300	133.500	71.523%
3	02:25:21	1.435	1.421	132.200	130.300	131.300	73.396%
x		1.427	1.424	133.100	131.400	132.500	71.477%
σ		0.035	0.013	0.821	1.004	1.095	1.942%
%RSD		2.467	0.947	0.617	0.764	0.826	2.717

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:11	64.835%	4.801	25.370	26.060	0.000	461.400	22140.000	22280.000
2	02:32:54	67.142%	4.172	26.790	25.740	0.000	442.600	21400.000	21530.000
3	02:33:37	64.523%	4.375	26.840	26.940	0.000	465.700	22460.000	22360.000
x		65.500%	4.449	26.330	26.250	0.000	456.600	22000.000	22060.000
σ		1.431%	0.321	0.830	0.624	0.000	12.320	542.400	462.100
%RSD		2.184	7.217	3.153	2.377	0.000	2.699	2.465	2.095

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:11	80120.000	5261.000	0.000	8523.000	5760.000	5379.000	73.167%	637.500
2	02:32:54	76090.000	4922.000	0.000	8122.000	5266.000	5161.000	75.371%	614.000
3	02:33:37	79750.000	5167.000	0.000	8366.000	5720.000	5360.000	75.152%	633.100
x		78650.000	5117.000	0.000	8337.000	5582.000	5300.000	74.563%	628.200
σ		2224.000	175.100	0.000	201.500	274.600	121.100	1.214%	12.530
%RSD		2.827	3.422	0.000	2.418	4.919	2.284	1.628	1.994

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:11	131.100	114.400	7548.000	290100.000	294100.000	102.200	231.900	134.100
2	02:32:54	125.000	109.200	7233.000	276700.000	280200.000	97.180	221.000	130.100
3	02:33:37	128.400	113.800	7456.000	283600.000	289300.000	100.900	231.200	131.500
x		128.200	112.500	7412.000	283500.000	287900.000	100.100	228.000	131.900
σ		3.103	2.874	161.600	6718.000	7044.000	2.592	6.102	2.070
%RSD		2.421	2.555	2.180	2.370	2.447	2.590	2.676	1.570

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:11	135.200	385.600	392.500	162.800	0.670	1.035	0.000	53.720
2	02:32:54	129.800	374.400	381.300	152.700	0.813	2.670	0.000	52.250
3	02:33:37	132.900	389.600	388.900	159.900	1.522	3.390	0.000	53.700
x		132.600	383.200	387.600	158.500	1.002	2.365	0.000	53.220
σ		2.754	7.847	5.699	5.196	0.456	1.207	0.000	0.844
%RSD		2.076	2.048	1.470	3.278	45.530	51.020	0.000	1.587

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:11	0.000	6.345	6.255	70.632%	0.178	0.138	1.325	0.976
2	02:32:54	0.000	6.186	5.985	74.042%	0.233	0.098	0.965	0.754
3	02:33:37	0.000	6.344	6.141	72.898%	0.249	0.107	0.882	0.762
x		0.000	6.292	6.127	72.524%	0.220	0.114	1.057	0.831
σ		0.000	0.091	0.136	1.736%	0.037	0.021	0.235	0.126
%RSD		0.000	1.451	2.216	2.393	16.990	18.360	22.280	15.190

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:11	72.736%	1.540	0.272	0.219	494.800	486.700	81.454%	79.895%
2	02:32:54	76.721%	1.703	0.258	0.283	475.900	470.600	86.076%	84.639%
3	02:33:37	75.666%	1.666	0.322	0.278	501.700	497.600	85.826%	85.259%
x		75.041%	1.637	0.284	0.260	490.800	485.000	84.452%	83.264%
σ		2.064%	0.085	0.034	0.036	13.330	13.620	2.599%	2.934%
%RSD		2.751	5.211	11.860	13.680	2.715	2.808	3.077	3.524

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:11	1.828	1.955	104.000	102.700	103.200	69.785%
2	02:32:54	1.790	1.773	99.410	99.020	98.980	74.660%
3	02:33:37	1.802	1.861	103.700	103.200	103.700	73.255%
x		1.807	1.863	102.400	101.600	102.000	72.567%
σ		0.020	0.091	2.569	2.258	2.585	2.509%
%RSD		1.084	4.880	2.509	2.222	2.535	3.458

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:28	65.379%	4.328	21.300	24.460	0.000	346.500	30120.000	30480.000
2	02:41:11	67.340%	4.722	23.150	23.240	0.000	331.200	28850.000	29150.000
3	02:41:54	65.714%	5.722	26.390	23.980	0.000	354.900	29860.000	30010.000
x		66.144%	4.924	23.620	23.890	0.000	344.200	29610.000	29880.000
σ		1.049%	0.719	2.574	0.613	0.000	12.050	671.200	674.500
%RSD		1.585	14.600	10.900	2.566	0.000	3.500	2.267	2.257
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:28	111900.000	4973.000	0.000	8560.000	1390.000	1291.000	73.346%	961.200
2	02:41:11	105600.000	4717.000	0.000	8106.000	1331.000	1225.000	75.827%	922.700
3	02:41:54	109400.000	4920.000	0.000	8457.000	1401.000	1262.000	74.886%	967.600
x		109000.000	4870.000	0.000	8374.000	1374.000	1259.000	74.686%	950.500
σ		3168.000	135.400	0.000	237.900	37.870	32.960	1.253%	24.260
%RSD		2.907	2.779	0.000	2.841	2.756	2.618	1.677	2.553
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:28	175.400	135.400	1693.000	225300.000	229600.000	70.740	175.100	173.300
2	02:41:11	165.000	127.700	1609.000	211800.000	215900.000	67.810	167.400	167.100
3	02:41:54	171.400	133.300	1677.000	220300.000	223800.000	70.570	172.000	174.300
x		170.600	132.100	1660.000	219200.000	223100.000	69.710	171.500	171.600
σ		5.218	3.944	44.670	6827.000	6880.000	1.643	3.891	3.886
%RSD		3.059	2.985	2.692	3.115	3.083	2.356	2.269	2.265
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:28	175.900	468.700	470.300	135.700	1.638	6.058	0.000	32.350
2	02:41:11	168.700	447.500	452.600	130.000	1.930	5.511	0.000	30.660
3	02:41:54	172.600	459.200	463.900	133.900	1.807	3.829	0.000	32.150
x		172.400	458.400	462.300	133.200	1.792	5.133	0.000	31.720
σ		3.634	10.640	8.972	2.916	0.147	1.162	0.000	0.926
%RSD		2.108	2.320	1.941	2.189	8.189	22.640	0.000	2.920
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:28	0.000	9.762	9.962	69.994%	0.172	0.092	1.464	1.183
2	02:41:11	0.000	9.320	9.360	73.357%	0.126	0.099	1.168	0.864
3	02:41:54	0.000	9.854	9.737	72.848%	0.176	0.102	1.346	1.044
x		0.000	9.645	9.686	72.066%	0.158	0.098	1.326	1.030
σ		0.000	0.286	0.304	1.813%	0.028	0.005	0.149	0.160
%RSD		0.000	2.961	3.140	2.515	17.560	5.252	11.230	15.490
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:28	71.460%	1.485	0.165	0.169	573.000	566.300	80.517%	79.978%
2	02:41:11	75.936%	1.566	0.193	0.213	540.600	535.800	86.508%	85.302%
3	02:41:54	75.440%	1.383	0.270	0.202	564.800	554.300	85.909%	84.347%
x		74.279%	1.478	0.209	0.195	559.500	552.100	84.311%	83.209%
σ		2.453%	0.092	0.054	0.023	16.840	15.330	3.300%	2.839%
%RSD		3.303	6.215	25.890	11.860	3.009	2.777	3.914	3.412
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:40:28	1.554	1.547	109.700	108.000	109.500	68.597%		
2	02:41:11	1.512	1.427	103.300	103.400	103.600	73.496%		
3	02:41:54	1.525	1.560	106.500	105.500	106.000	73.463%		
x		1.530	1.511	106.500	105.600	106.400	71.852%		
σ		0.022	0.073	3.159	2.298	2.939	2.819%		
%RSD		1.408	4.841	2.966	2.176	2.763	3.923		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:44	63.502%	6.686	52.140	47.810	0.000	1253.000	31340.000	31550.000
2	02:49:27	63.040%	7.077	47.400	52.830	0.000	1295.000	31860.000	33620.000
3	02:50:10	63.859%	6.899	49.940	49.540	0.000	1263.000	31000.000	32760.000
x		63.467%	6.887	49.830	50.060	0.000	1270.000	31400.000	32650.000
σ		0.410%	0.196	2.373	2.552	0.000	21.780	431.200	1039.000
%RSD		0.646	2.841	4.763	5.097	0.000	1.715	1.373	3.183

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:44	105400.000	5095.000	0.000	12040.000	24420.000	22740.000	73.089%	1000.000
2	02:49:27	107600.000	5321.000	0.000	12340.000	25170.000	23520.000	72.840%	1039.000
3	02:50:10	104400.000	5115.000	0.000	11890.000	24100.000	22600.000	74.101%	1020.000
x		105800.000	5177.000	0.000	12090.000	24560.000	22960.000	73.343%	1020.000
σ		1613.000	125.000	0.000	227.600	551.100	497.100	0.668%	19.560
%RSD		1.524	2.415	0.000	1.882	2.244	2.165	0.911	1.917

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:44	158.700	163.900	40810.000	229400.000	232600.000	105.000	250.800	286.000
2	02:49:27	167.500	169.100	41770.000	237700.000	241000.000	109.200	261.500	295.500
3	02:50:10	162.100	163.700	40710.000	229500.000	234700.000	106.500	254.900	285.500
x		162.700	165.600	41100.000	232200.000	236100.000	106.900	255.700	289.000
σ		4.453	3.059	586.500	4759.000	4381.000	2.110	5.406	5.639
%RSD		2.736	1.848	1.427	2.050	1.856	1.974	2.114	1.951

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:44	289.100	571.400	571.400	515.800	2.713	5.032	0.000	4141.000
2	02:49:27	298.400	600.600	594.100	532.500	3.163	4.492	0.000	4256.000
3	02:50:10	289.700	579.000	584.300	516.800	2.851	5.420	0.000	4114.000
x		292.400	583.700	583.300	521.700	2.909	4.981	0.000	4170.000
σ		5.229	15.140	11.400	9.386	0.231	0.466	0.000	75.400
%RSD		1.788	2.594	1.954	1.799	7.927	9.361	0.000	1.808

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:44	0.000	87.330	87.090	69.708%	0.346	0.242	2.176	1.555
2	02:49:27	0.000	92.940	91.350	70.542%	0.386	0.186	1.862	1.486
3	02:50:10	0.000	91.480	89.510	72.112%	0.330	0.247	1.767	1.299
x		0.000	90.580	89.320	70.787%	0.354	0.225	1.935	1.446
σ		0.000	2.912	2.133	1.221%	0.029	0.034	0.214	0.132
%RSD		0.000	3.214	2.388	1.725	8.265	15.180	11.050	9.139

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:44	72.018%	1.300	0.339	0.317	828.700	820.000	81.258%	80.821%
2	02:49:27	71.969%	1.176	0.361	0.419	873.000	856.500	81.724%	82.300%
3	02:50:10	74.144%	1.145	0.349	0.312	837.000	830.700	84.925%	84.265%
x		72.710%	1.207	0.350	0.349	846.200	835.700	82.635%	82.462%
σ		1.242%	0.082	0.011	0.060	23.530	18.720	1.996%	1.728%
%RSD		1.708	6.789	3.264	17.310	2.781	2.240	2.416	2.095

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:44	1.890	1.902	1172.000	1205.000	1203.000	69.248%
2	02:49:27	1.944	1.993	1260.000	1296.000	1328.000	67.759%
3	02:50:10	1.872	1.927	1188.000	1230.000	1222.000	71.501%
x		1.902	1.941	1206.000	1244.000	1251.000	69.503%
σ		0.037	0.047	46.970	46.750	67.160	1.884%
%RSD		1.968	2.431	3.893	3.758	5.369	2.711

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:57	62.691%	4.014	20.430	24.920	0.000	390.300	22240.000	22410.000
2	02:57:40	66.045%	3.958	22.270	24.690	0.000	367.800	21220.000	21450.000
3	02:58:23	66.603%	4.146	24.910	23.480	0.000	355.800	20630.000	20750.000
x		65.113%	4.039	22.540	24.360	0.000	371.300	21370.000	21540.000
σ		2.116%	0.097	2.253	0.772	0.000	17.500	813.700	833.200
%RSD		3.250	2.396	9.997	3.169	0.000	4.714	3.808	3.869

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:57	92740.000	5200.000	0.000	8625.000	2141.000	1913.000	71.511%	778.100
2	02:57:40	89140.000	5074.000	0.000	8330.000	1946.000	1858.000	73.417%	754.900
3	02:58:23	85180.000	4820.000	0.000	8050.000	1952.000	1774.000	74.558%	730.700
x		89020.000	5031.000	0.000	8335.000	2013.000	1848.000	73.162%	754.600
σ		3780.000	193.400	0.000	287.200	110.700	70.440	1.540%	23.730
%RSD		4.247	3.843	0.000	3.446	5.502	3.811	2.104	3.144

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:57	139.400	119.700	2290.000	182200.000	184300.000	76.870	196.900	122.500
2	02:57:40	135.600	117.300	2232.000	176900.000	180100.000	76.320	194.700	120.600
3	02:58:23	131.000	112.400	2130.000	169500.000	172100.000	73.740	184.500	116.700
x		135.300	116.500	2217.000	176200.000	178800.000	75.640	192.000	119.900
σ		4.214	3.757	80.990	6403.000	6217.000	1.672	6.610	2.951
%RSD		3.114	3.226	3.653	3.634	3.476	2.210	3.443	2.461

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:57	124.000	342.100	343.500	128.100	1.328	3.285	0.000	45.970
2	02:57:40	121.800	336.000	338.700	125.800	1.110	3.535	0.000	45.430
3	02:58:23	118.100	323.900	325.200	121.200	1.141	2.866	0.000	43.550
x		121.300	334.000	335.800	125.000	1.193	3.228	0.000	44.980
σ		3.011	9.266	9.482	3.543	0.118	0.338	0.000	1.273
%RSD		2.482	2.774	2.823	2.834	9.869	10.470	0.000	2.830

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:57	0.000	6.417	6.328	69.165%	0.229	0.155	0.952	0.776
2	02:57:40	0.000	5.962	6.295	71.666%	0.222	0.120	1.108	0.816
3	02:58:23	0.000	5.989	5.689	73.554%	0.215	0.136	1.138	0.780
x		0.000	6.123	6.104	71.461%	0.222	0.137	1.066	0.791
σ		0.000	0.255	0.360	2.202%	0.007	0.017	0.100	0.022
%RSD		0.000	4.167	5.893	3.081	3.087	12.760	9.375	2.782

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:57	70.799%	1.325	0.224	0.161	909.800	894.500	78.634%	79.243%
2	02:57:40	73.769%	1.341	0.179	0.222	897.100	879.000	81.993%	81.585%
3	02:58:23	76.301%	1.305	0.186	0.125	854.000	841.200	84.668%	83.883%
x		73.623%	1.324	0.196	0.169	887.000	871.500	81.765%	81.570%
σ		2.754%	0.018	0.025	0.049	29.250	27.430	3.024%	2.320%
%RSD		3.740	1.395	12.500	28.800	3.298	3.147	3.698	2.844

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:57	1.264	1.278	103.000	102.400	102.900	68.207%
2	02:57:40	1.295	1.240	101.600	100.700	101.500	70.981%
3	02:58:23	1.247	1.119	97.360	96.130	96.330	73.676%
x		1.269	1.212	100.700	99.740	100.200	70.955%
σ		0.024	0.083	2.956	3.229	3.439	2.735%
%RSD		1.925	6.878	2.936	3.237	3.431	3.854

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:05:12	66.949%	2.393	11.300	12.720	0.000	255.000	44200.000	44710.000
2	03:05:55	67.437%	2.173	15.400	12.830	0.000	253.900	43690.000	44060.000
3	03:06:38	66.420%	2.064	12.990	13.570	0.000	269.100	45110.000	45400.000
x		66.935%	2.210	13.230	13.040	0.000	259.300	44330.000	44730.000
σ		0.509%	0.168	2.056	0.462	0.000	8.502	718.000	671.400
%RSD		0.760	7.588	15.540	3.544	0.000	3.278	1.620	1.501

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:05:12	51470.000	4554.000	0.000	2759.000	5402.000	5181.000	70.858%	528.600
2	03:05:55	50920.000	4523.000	0.000	2740.000	5489.000	5195.000	71.811%	525.200
3	03:06:38	52310.000	4637.000	0.000	2821.000	5738.000	5321.000	70.461%	537.000
x		51570.000	4571.000	0.000	2773.000	5543.000	5232.000	71.043%	530.200
σ		703.000	58.720	0.000	42.780	174.400	77.330	0.694%	6.068
%RSD		1.363	1.284	0.000	1.542	3.146	1.478	0.976	1.144

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:05:12	123.700	3806.000	13210.000	104400.000	100200.000	82.600	1028.000	45.260
2	03:05:55	99.010	3714.000	12940.000	101800.000	99260.000	80.980	1024.000	44.310
3	03:06:38	103.600	3840.000	13340.000	105200.000	102800.000	82.660	1061.000	45.890
x		108.800	3787.000	13160.000	103800.000	100700.000	82.080	1038.000	45.150
σ		13.160	65.050	204.200	1759.000	1833.000	0.952	20.440	0.792
%RSD		12.090	1.718	1.551	1.695	1.819	1.159	1.970	1.754

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:05:12	46.270	163.600	165.100	43.690	1.688	1.125	0.000	62.740
2	03:05:55	45.410	162.000	164.700	41.990	0.828	2.573	0.000	62.450
3	03:06:38	46.110	168.100	174.100	44.430	1.597	1.733	0.000	63.600
x		45.930	164.600	168.000	43.370	1.371	1.811	0.000	62.930
σ		0.458	3.169	5.302	1.252	0.472	0.727	0.000	0.598
%RSD		0.997	1.926	3.157	2.886	34.460	40.150	0.000	0.950

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:05:12	0.000	24.180	23.140	70.076%	0.243	0.231	1.086	1.065
2	03:05:55	0.000	23.530	23.930	72.212%	0.257	0.208	1.203	1.117
3	03:06:38	0.000	24.300	24.620	71.111%	0.212	0.267	1.312	1.252
x		0.000	24.000	23.900	71.133%	0.237	0.235	1.200	1.145
σ		0.000	0.412	0.737	1.068%	0.023	0.030	0.113	0.096
%RSD		0.000	1.715	3.085	1.502	9.783	12.570	9.410	8.398

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:05:12	72.377%	1.647	0.165	0.192	500.300	493.600	74.941%	75.708%
2	03:05:55	74.433%	1.708	0.203	0.169	495.300	488.900	78.086%	77.737%
3	03:06:38	72.994%	1.978	0.150	0.224	506.400	505.900	77.202%	77.051%
x		73.268%	1.778	0.172	0.195	500.700	496.200	76.743%	76.832%
σ		1.055%	0.176	0.028	0.028	5.577	8.783	1.622%	1.032%
%RSD		1.440	9.895	15.980	14.180	1.114	1.770	2.114	1.343

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:05:12	0.955	0.890	85.720	84.520	85.050	69.128%
2	03:05:55	0.917	0.915	85.510	83.930	84.670	70.985%
3	03:06:38	0.895	0.947	87.700	85.800	86.220	71.038%
x		0.923	0.917	86.310	84.750	85.320	70.384%
σ		0.031	0.029	1.211	0.954	0.807	1.088%
%RSD		3.317	3.139	1.403	1.126	0.946	1.546

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:13:26	64.621%	5.358	15.100	18.750	0.000	467.600	13530.000	13620.000
2	03:14:09	64.694%	5.872	19.960	18.790	0.000	466.800	13730.000	13720.000
3	03:14:52	65.590%	5.321	17.020	19.360	0.000	473.500	13830.000	13860.000
x		64.969%	5.517	17.360	18.970	0.000	469.300	13700.000	13740.000
σ		0.540%	0.308	2.449	0.338	0.000	3.709	152.400	122.900
%RSD		0.831	5.585	14.110	1.784	0.000	0.790	1.112	0.895

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:13:26	103300.000	4958.000	0.000	5155.000	5769.000	5452.000	69.836%	830.900
2	03:14:09	104000.000	4962.000	0.000	5186.000	5556.000	5439.000	70.726%	834.900
3	03:14:52	104300.000	4987.000	0.000	5196.000	5734.000	5552.000	70.661%	843.700
x		103900.000	4969.000	0.000	5179.000	5686.000	5481.000	70.408%	836.500
σ		512.900	15.820	0.000	21.670	114.600	61.940	0.496%	6.560
%RSD		0.494	0.319	0.000	0.418	2.015	1.130	0.704	0.784

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:13:26	215.000	112.000	23660.000	179400.000	182300.000	127.300	100.100	47.290
2	03:14:09	214.700	110.100	23610.000	177700.000	180700.000	127.700	99.890	46.340
3	03:14:52	218.700	113.000	23860.000	179100.000	182200.000	129.400	100.900	47.980
x		216.100	111.700	23710.000	178700.000	181700.000	128.100	100.300	47.200
σ		2.222	1.453	133.100	915.400	901.200	1.117	0.524	0.826
%RSD		1.028	1.301	0.561	0.512	0.496	0.872	0.522	1.750

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:13:26	47.700	336.500	336.500	57.760	3.147	3.261	0.000	60.500
2	03:14:09	48.850	338.000	342.200	56.960	2.731	3.791	0.000	60.180
3	03:14:52	49.400	339.400	348.900	58.010	2.644	4.720	0.000	61.190
x		48.650	338.000	342.500	57.580	2.841	3.924	0.000	60.620
σ		0.869	1.451	6.192	0.552	0.269	0.739	0.000	0.512
%RSD		1.785	0.429	1.808	0.959	9.474	18.830	0.000	0.845

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:13:26	0.000	8.741	9.045	69.035%	0.582	0.587	1.540	1.415
2	03:14:09	0.000	8.546	8.619	70.976%	0.563	0.515	2.039	1.667
3	03:14:52	0.000	9.074	8.617	71.425%	0.528	0.544	1.752	1.666
x		0.000	8.787	8.760	70.479%	0.557	0.548	1.777	1.583
σ		0.000	0.267	0.247	1.270%	0.027	0.036	0.251	0.145
%RSD		0.000	3.037	2.816	1.802	4.901	6.556	14.110	9.180

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:13:26	71.347%	0.974	0.231	0.197	1237.000	1224.000	76.444%	76.313%
2	03:14:09	73.454%	1.116	0.213	0.167	1231.000	1220.000	80.366%	78.679%
3	03:14:52	74.334%	1.039	0.215	0.205	1240.000	1227.000	80.935%	79.312%
x		73.045%	1.043	0.220	0.190	1236.000	1224.000	79.249%	78.102%
σ		1.535%	0.071	0.010	0.020	4.447	3.353	2.445%	1.581%
%RSD		2.101	6.818	4.649	10.580	0.360	0.274	3.085	2.024

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:13:26	1.866	1.784	144.500	141.300	143.000	69.502%
2	03:14:09	1.824	1.840	147.300	145.500	146.000	70.725%
3	03:14:52	1.882	1.864	149.700	146.900	147.700	70.753%
x		1.857	1.829	147.200	144.500	145.600	70.326%
σ		0.030	0.041	2.583	2.910	2.349	0.714%
%RSD		1.605	2.253	1.755	2.013	1.614	1.015

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:41	63.371%	5.955	33.800	32.450	0.000	490.900	24360.000	24430.000
2	03:22:24	64.560%	6.654	36.300	34.500	0.000	496.200	24680.000	24740.000
3	03:23:07	63.767%	6.344	34.260	34.700	0.000	498.200	24780.000	24860.000
x		63.899%	6.318	34.790	33.880	0.000	495.100	24610.000	24680.000
σ		0.605%	0.350	1.331	1.245	0.000	3.745	218.300	217.400
%RSD		0.947	5.542	3.826	3.675	0.000	0.756	0.887	0.881

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:41	127400.000	5350.000	0.000	7510.000	27930.000	27410.000	72.456%	1143.000
2	03:22:24	127900.000	5417.000	0.000	7653.000	28740.000	28120.000	71.794%	1169.000
3	03:23:07	127600.000	5470.000	0.000	7526.000	28910.000	27990.000	72.722%	1161.000
x		127600.000	5412.000	0.000	7563.000	28530.000	27840.000	72.324%	1157.000
σ		247.100	60.290	0.000	78.230	521.400	379.000	0.478%	13.290
%RSD		0.194	1.114	0.000	1.034	1.828	1.361	0.661	1.148

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:41	230.600	143.400	52100.000	235700.000	239900.000	94.730	251.100	163.300
2	03:22:24	238.900	148.700	53430.000	239400.000	243900.000	97.370	256.800	165.100
3	03:23:07	238.800	145.700	52770.000	239000.000	243900.000	97.470	258.200	167.000
x		236.100	146.000	52770.000	238000.000	242600.000	96.520	255.400	165.100
σ		4.763	2.670	665.200	2067.000	2282.000	1.556	3.792	1.843
%RSD		2.017	1.830	1.261	0.868	0.941	1.612	1.485	1.116

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:41	165.200	477.900	482.800	105.200	3.265	4.933	0.000	159.400
2	03:22:24	165.700	495.400	491.600	106.700	3.620	4.858	0.000	161.800
3	03:23:07	169.600	495.300	501.100	107.600	3.340	5.230	0.000	162.500
x		166.800	489.500	491.900	106.500	3.408	5.007	0.000	161.300
σ		2.427	10.100	9.135	1.236	0.187	0.197	0.000	1.614
%RSD		1.455	2.062	1.857	1.160	5.480	3.936	0.000	1.001

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:41	0.000	14.620	14.250	68.921%	0.330	0.294	1.561	1.241
2	03:22:24	0.000	14.440	14.760	70.156%	0.396	0.231	1.757	1.441
3	03:23:07	0.000	14.780	14.120	70.619%	0.350	0.287	1.372	1.279
x		0.000	14.610	14.380	69.898%	0.358	0.271	1.563	1.320
σ		0.000	0.166	0.341	0.878%	0.034	0.034	0.193	0.106
%RSD		0.000	1.138	2.369	1.256	9.393	12.590	12.320	8.046

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:41	71.180%	1.145	0.297	0.293	1610.000	1598.000	79.124%	78.704%
2	03:22:24	73.348%	1.297	0.282	0.301	1640.000	1617.000	82.170%	81.432%
3	03:23:07	73.959%	1.158	0.292	0.312	1647.000	1617.000	81.865%	82.254%
x		72.829%	1.200	0.291	0.302	1632.000	1610.000	81.053%	80.797%
σ		1.460%	0.084	0.008	0.009	19.190	10.840	1.678%	1.858%
%RSD		2.005	7.015	2.697	3.073	1.176	0.673	2.070	2.300

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:41	1.690	1.712	155.900	153.900	155.100	69.469%
2	03:22:24	1.774	1.773	160.900	158.800	160.000	70.676%
3	03:23:07	1.707	1.739	161.600	158.100	159.800	71.285%
x		1.724	1.741	159.500	156.900	158.300	70.476%
σ		0.045	0.031	3.101	2.644	2.768	0.924%
%RSD		2.588	1.766	1.944	1.685	1.749	1.311

240-22274-B-35-C 4/13/2013 3:29:13 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:29:56	61.135%	7.012	67.360	59.890	0.000	603.400	23770.000	23830.000
2	03:30:39	62.687%	7.038	56.810	60.700	0.000	608.300	23680.000	23760.000
3	03:31:22	63.678%	6.357	63.560	61.020	0.000	602.700	23650.000	23650.000
x		62.500%	6.802	62.570	60.540	0.000	604.800	23700.000	23740.000
σ		1.282%	0.386	5.345	0.584	0.000	3.054	63.320	89.040
%RSD		2.051	5.670	8.541	0.964	0.000	0.505	0.267	0.375
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:29:56	132900.000	6317.000	0.000	7864.000	26520.000	25460.000	70.546%	1540.000
2	03:30:39	131600.000	6198.000	0.000	7874.000	27200.000	25620.000	71.282%	1557.000
3	03:31:22	130000.000	6204.000	0.000	7798.000	26190.000	25490.000	71.856%	1542.000
x		131500.000	6240.000	0.000	7845.000	26640.000	25530.000	71.228%	1546.000
σ		1449.000	67.020	0.000	41.210	518.200	86.350	0.657%	9.469
%RSD		1.102	1.074	0.000	0.525	1.945	0.338	0.922	0.612
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:29:56	236.500	580.700	7060.000	261000.000	265400.000	83.520	167.800	136.100
2	03:30:39	237.700	585.500	7013.000	257900.000	262400.000	83.650	170.500	140.000
3	03:31:22	237.000	584.900	7028.000	258700.000	263500.000	83.960	166.600	138.200
x		237.100	583.700	7034.000	259200.000	263800.000	83.710	168.300	138.100
σ		0.592	2.648	24.270	1603.000	1491.000	0.228	2.008	1.939
%RSD		0.250	0.454	0.345	0.619	0.566	0.273	1.193	1.404
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:29:56	139.400	483.300	493.200	132.700	7.219	9.589	0.000	145.700
2	03:30:39	142.100	493.300	488.300	132.200	7.042	9.164	0.000	146.100
3	03:31:22	139.100	490.900	486.300	131.900	7.619	8.897	0.000	147.400
x		140.200	489.200	489.300	132.200	7.293	9.217	0.000	146.400
σ		1.651	5.251	3.527	0.394	0.296	0.349	0.000	0.898
%RSD		1.178	1.073	0.721	0.298	4.058	3.787	0.000	0.613
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:29:56	0.000	12.690	12.600	67.754%	0.491	0.329	2.376	1.889
2	03:30:39	0.000	13.220	12.490	69.910%	0.437	0.347	1.947	1.541
3	03:31:22	0.000	13.950	12.920	70.035%	0.416	0.406	2.188	1.713
x		0.000	13.290	12.670	69.233%	0.448	0.361	2.171	1.714
σ		0.000	0.632	0.225	1.283%	0.039	0.041	0.215	0.174
%RSD		0.000	4.757	1.777	1.853	8.604	11.260	9.915	10.150
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:29:56	70.133%	1.440	0.650	0.641	810.900	796.200	77.227%	75.693%
2	03:30:39	71.111%	1.597	0.683	0.613	821.500	815.300	79.895%	79.196%
3	03:31:22	73.496%	1.459	0.659	0.689	820.500	805.500	80.549%	80.475%
x		71.580%	1.499	0.664	0.648	817.600	805.700	79.224%	78.454%
σ		1.730%	0.085	0.017	0.038	5.858	9.560	1.760%	2.476%
%RSD		2.417	5.701	2.532	5.890	0.717	1.187	2.221	3.156
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:29:56	2.355	2.307	181.600	177.700	179.600	67.399%		
2	03:30:39	2.387	2.334	182.700	179.700	181.500	69.458%		
3	03:31:22	2.260	2.406	181.900	179.900	180.800	70.489%		
x		2.334	2.349	182.100	179.100	180.600	69.115%		
σ		0.066	0.051	0.572	1.189	0.946	1.573%		
%RSD		2.824	2.181	0.314	0.664	0.524	2.276		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:13	69.368%	0.819	5.601	5.215	0.000	190.200	3100.000	3144.000
2	03:38:56	69.268%	0.760	4.785	5.023	0.000	200.500	3130.000	3179.000
3	03:39:39	68.312%	0.671	6.093	5.879	0.000	209.500	3178.000	3182.000
x		68.983%	0.750	5.493	5.372	0.000	200.100	3136.000	3168.000
σ		0.583%	0.075	0.660	0.449	0.000	9.633	38.980	21.380
%RSD		0.845	9.935	12.020	8.359	0.000	4.815	1.243	0.675

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:13	10720.000	435.300	0.000	1194.000	2625.000	2346.000	71.636%	105.700
2	03:38:56	10580.000	432.200	0.000	1198.000	2677.000	2331.000	72.539%	104.700
3	03:39:39	10640.000	431.000	0.000	1184.000	2565.000	2327.000	72.919%	105.200
x		10650.000	432.800	0.000	1192.000	2622.000	2335.000	72.365%	105.200
σ		74.440	2.213	0.000	7.054	55.950	9.953	0.659%	0.498
%RSD		0.699	0.511	0.000	0.592	2.134	0.426	0.911	0.473

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:13	16.100	16.910	4306.000	24520.000	23180.000	10.600	25.630	30.930
2	03:38:56	16.710	17.020	4259.000	24160.000	23070.000	10.700	26.390	29.480
3	03:39:39	17.220	17.140	4253.000	24210.000	23140.000	10.760	26.730	29.870
x		16.680	17.020	4273.000	24300.000	23130.000	10.690	26.250	30.090
σ		0.563	0.114	28.740	196.600	57.650	0.077	0.566	0.754
%RSD		3.373	0.670	0.673	0.809	0.249	0.724	2.157	2.506

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:13	30.030	59.880	63.650	53.130	0.231	-0.156	0.000	389.900
2	03:38:56	29.540	62.150	63.050	52.220	-0.301	1.120	0.000	386.500
3	03:39:39	30.050	60.950	61.800	53.990	-0.048	2.398	0.000	386.600
x		29.870	60.990	62.830	53.110	-0.039	1.121	0.000	387.700
σ		0.292	1.138	0.944	0.887	0.266	1.277	0.000	1.961
%RSD		0.977	1.866	1.502	1.669	675.100	113.900	0.000	0.506

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:13	0.000	8.097	7.842	72.657%	0.030	0.009	0.109	0.145
2	03:38:56	0.000	8.616	8.220	75.074%	0.033	0.006	0.067	0.121
3	03:39:39	0.000	8.626	8.629	75.728%	0.023	0.018	0.095	0.086
x		0.000	8.446	8.230	74.487%	0.029	0.011	0.090	0.117
σ		0.000	0.302	0.394	1.617%	0.005	0.006	0.021	0.030
%RSD		0.000	3.579	4.786	2.171	17.900	57.790	23.740	25.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:13	73.533%	0.105	0.016	-0.015	87.140	86.500	75.823%	76.154%
2	03:38:56	75.612%	0.157	0.016	0.008	89.220	86.480	79.188%	79.262%
3	03:39:39	76.936%	0.121	0.013	0.016	88.560	84.580	80.613%	79.978%
x		75.360%	0.127	0.015	0.003	88.310	85.850	78.541%	78.465%
σ		1.715%	0.027	0.002	0.016	1.064	1.105	2.459%	2.033%
%RSD		2.276	20.950	12.190	524.800	1.205	1.288	3.131	2.591

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:13	0.137	0.163	114.600	119.300	118.600	71.227%
2	03:38:56	0.147	0.167	115.700	118.700	118.500	72.936%
3	03:39:39	0.162	0.179	115.800	118.400	118.400	74.250%
x		0.149	0.170	115.400	118.800	118.500	72.804%
σ		0.012	0.008	0.646	0.427	0.121	1.515%
%RSD		8.274	4.834	0.560	0.360	0.102	2.081

CCV 781130 4/13/2013 3:45:45 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:28	72.246%	104.100	98.860	98.840	0.000	51550.000	52480.000	52940.000
2	03:47:11	73.056%	99.400	104.900	98.510	0.000	51670.000	52350.000	52970.000
3	03:47:54	73.238%	99.320	96.010	98.780	0.000	50800.000	51590.000	52140.000
x		72.847%	100.945%	99.929%	98.709%	0.000	102.681%	104.273%	105.369%
σ		0.528%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.725	2.725	4.547	0.180	0.000	0.918	0.919	0.895

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:28	528.900	5097.000	0.000	53850.000	50900.000	49740.000	72.344%	101.600
2	03:47:11	531.100	5087.000	0.000	53600.000	51530.000	49810.000	72.756%	103.000
3	03:47:54	524.200	5043.000	0.000	53150.000	49960.000	49740.000	72.915%	101.700
x		105.617%	101.516%	0.000	107.073%	101.596%	99.528%	72.672%	102.066%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.295%	n/a
%RSD		0.669	0.563	0.000	0.660	1.556	0.083	0.406	0.775

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:28	102.100	103.700	513.400	26930.000	25780.000	104.400	105.500	106.500
2	03:47:11	103.400	102.100	513.100	26680.000	25710.000	104.900	105.000	105.800
3	03:47:54	102.800	102.600	512.500	26600.000	25760.000	103.800	103.500	103.600
x		102.765%	102.771%	102.596%	106.941%	102.998%	104.379%	104.669%	105.267%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.602	0.790	0.091	0.636	0.130	0.488	1.021	1.448

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:28	107.000	97.870	100.900	103.000	101.600	101.900	0.000	106.100
2	03:47:11	108.200	101.100	98.220	104.500	101.400	105.200	0.000	106.700
3	03:47:54	105.000	100.100	101.400	102.400	104.000	103.400	0.000	105.700
x		106.730%	99.679%	100.155%	103.307%	102.317%	103.480%	0.000	106.157%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.486	1.643	1.691	1.066	1.399	1.603	0.000	0.498

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:28	69.612%	104.900	105.200	68.179%	107.100	105.900	103.300	104.000
2	03:47:11	69.986%	108.200	107.600	69.322%	105.700	106.500	106.600	105.200
3	03:47:54	71.069%	107.800	107.200	69.667%	106.700	107.500	106.200	106.900
x		70.222%	106.976%	106.682%	69.056%	106.505%	106.639%	105.383%	105.371%
σ		0.757%	n/a	n/a	0.779%	n/a	n/a	n/a	n/a
%RSD		1.078	1.723	1.204	1.128	0.649	0.729	1.730	1.376

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:28	69.491%	103.500	103.200	102.800	107.900	105.800	72.236%	72.201%
2	03:47:11	70.274%	104.700	104.300	104.100	106.400	105.200	73.217%	73.512%
3	03:47:54	70.298%	105.300	104.200	104.900	107.700	106.900	73.408%	74.118%
x		70.021%	104.509%	103.893%	103.956%	107.332%	105.973%	72.954%	73.277%
σ		0.459%	n/a	n/a	n/a	n/a	n/a	0.629%	0.980%
%RSD		0.656	0.873	0.574	1.013	0.726	0.840	0.862	1.337

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:28	107.000	107.400	107.300	108.300	107.600	65.793%
2	03:47:11	106.800	106.700	106.500	107.300	107.500	67.920%
3	03:47:54	106.600	105.900	106.500	106.600	107.000	68.726%
x		106.801%	106.649%	106.757%	107.385%	107.379%	67.480%
σ		n/a	n/a	n/a	n/a	n/a	1.515%
%RSD		0.171	0.700	0.464	0.758	0.313	2.246

CCB9 4/13/2013 3:54:01 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:44	85.822%	0.002	0.489	0.796	0.000	-0.487	10.380	12.800
2	03:55:27	89.891%	-0.015	0.355	0.878	0.000	1.941	16.600	16.630
3	03:56:10	87.707%	0.001	1.432	0.632	0.000	14.690	17.360	19.210
x		87.807%	-0.004	0.759	0.769	0.000	5.382	14.780	16.210
σ		2.036%	0.010	0.587	0.125	0.000	8.154	3.830	3.226
%RSD		2.319	244.100	77.360	16.270	0.000	151.500	25.910	19.900

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:44	1.182	-183.600	0.000	-37.700	13.730	-27.620	89.709%	0.131
2	03:55:27	1.489	-187.600	0.000	-31.450	16.200	-23.600	91.112%	0.071
3	03:56:10	2.001	-171.000	0.000	-29.070	28.060	-24.950	90.220%	0.130
x		1.557	-180.700	0.000	-32.740	19.330	-25.390	90.347%	0.111
σ		0.413	8.631	0.000	4.456	7.661	2.047	0.710%	0.034
%RSD		26.540	4.776	0.000	13.610	39.640	8.060	0.786	30.930

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:44	0.015	0.145	0.358	5.739	9.645	0.033	-0.003	-0.109
2	03:55:27	0.031	0.122	0.564	7.884	13.500	0.014	0.067	-0.051
3	03:56:10	0.027	0.095	0.637	9.121	8.077	0.019	0.051	-0.087
x		0.024	0.121	0.520	7.581	10.410	0.022	0.038	-0.082
σ		0.008	0.025	0.145	1.711	2.793	0.010	0.037	0.029
%RSD		34.250	20.880	27.820	22.570	26.830	44.130	95.340	35.460

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:44	-0.060	-1.118	-0.901	-0.150	-1.016	-0.937	0.000	0.049
2	03:55:27	-0.048	-1.157	-1.072	-0.165	-1.039	-1.055	0.000	0.073
3	03:56:10	-0.014	-0.963	-0.724	-0.109	-0.480	-0.814	0.000	0.081
x		-0.041	-1.079	-0.899	-0.141	-0.845	-0.935	0.000	0.068
σ		0.024	0.102	0.174	0.029	0.316	0.121	0.000	0.017
%RSD		59.400	9.490	19.400	20.560	37.420	12.890	0.000	25.030

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:44	78.758%	0.216	0.264	90.041%	0.017	0.004	0.081	0.088
2	03:55:27	80.915%	0.196	0.305	92.263%	0.018	0.010	-0.009	0.024
3	03:56:10	79.887%	0.212	0.174	90.822%	0.014	0.027	-0.026	-0.010
x		79.853%	0.208	0.248	91.042%	0.016	0.014	0.015	0.034
σ		1.079%	0.011	0.067	1.127%	0.002	0.012	0.057	0.050
%RSD		1.351	5.153	27.010	1.238	11.180	85.920	380.000	147.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:44	84.355%	0.083	0.004	-0.014	0.056	0.060	83.547%	83.455%
2	03:55:27	87.185%	0.102	0.036	0.001	0.077	0.051	85.964%	86.532%
3	03:56:10	86.596%	0.078	0.024	-0.015	0.112	0.065	85.450%	85.511%
x		86.045%	0.088	0.021	-0.009	0.082	0.059	84.987%	85.166%
σ		1.493%	0.013	0.016	0.009	0.028	0.007	1.273%	1.567%
%RSD		1.735	14.510	76.560	96.950	34.530	11.810	1.498	1.840

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:44	0.044	0.050	0.012	0.025	0.023	77.473%
2	03:55:27	0.060	0.051	0.035	0.039	0.045	80.688%
3	03:56:10	0.048	0.037	0.044	0.056	0.042	79.416%
x		0.051	0.046	0.030	0.040	0.037	79.192%
σ		0.009	0.008	0.017	0.015	0.012	1.619%
%RSD		17.000	17.390	54.340	38.410	32.310	2.045

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:03:02	70.412%	0.631	1.783	1.947	0.000	96.790	1344.000	1384.000
2	04:03:45	69.926%	0.520	2.511	2.051	0.000	105.300	1385.000	1375.000
3	04:04:28	69.556%	0.816	2.223	2.045	0.000	110.000	1364.000	1385.000
x		69.965%	0.656	2.172	2.014	0.000	104.000	1364.000	1381.000
σ		0.429%	0.150	0.367	0.059	0.000	6.699	20.700	5.282
%RSD		0.613	22.850	16.890	2.910	0.000	6.439	1.517	0.382

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:03:02	10650.000	419.700	0.000	511.100	626.900	544.400	73.546%	85.520
2	04:03:45	10620.000	411.400	0.000	511.500	653.300	524.200	72.571%	83.040
3	04:04:28	10520.000	415.800	0.000	504.500	627.100	539.300	72.276%	85.170
x		10600.000	415.700	0.000	509.100	635.800	536.000	72.798%	84.580
σ		71.180	4.127	0.000	3.911	15.170	10.530	0.665%	1.342
%RSD		0.672	0.993	0.000	0.768	2.386	1.964	0.914	1.587

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:03:02	21.740	10.980	2431.000	18510.000	17340.000	12.840	10.410	4.956
2	04:03:45	21.520	11.410	2438.000	18510.000	17610.000	13.100	10.310	5.260
3	04:04:28	21.810	11.470	2411.000	18350.000	17360.000	12.940	10.250	4.837
x		21.690	11.290	2426.000	18450.000	17440.000	12.960	10.320	5.018
σ		0.148	0.265	13.760	92.150	149.700	0.131	0.078	0.218
%RSD		0.683	2.349	0.567	0.499	0.858	1.008	0.758	4.339

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:03:02	5.030	34.830	36.250	5.751	0.018	0.484	0.000	6.020
2	04:03:45	5.397	36.540	35.630	5.829	-0.501	0.492	0.000	6.012
3	04:04:28	5.370	33.580	34.480	5.866	0.057	0.689	0.000	6.103
x		5.266	34.980	35.450	5.815	-0.142	0.555	0.000	6.045
σ		0.205	1.485	0.901	0.059	0.312	0.116	0.000	0.051
%RSD		3.891	4.244	2.541	1.013	219.200	20.970	0.000	0.841

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:03:02	0.000	1.218	0.973	73.515%	0.047	0.034	0.223	0.184
2	04:03:45	0.000	0.978	0.925	73.416%	0.052	0.042	0.186	0.211
3	04:04:28	0.000	0.951	0.931	73.962%	0.041	0.039	0.206	0.186
x		0.000	1.049	0.943	73.631%	0.047	0.038	0.205	0.194
σ		0.000	0.147	0.026	0.291%	0.005	0.004	0.019	0.015
%RSD		0.000	14.030	2.793	0.395	10.990	9.859	9.065	7.714

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:03:02	73.939%	0.196	-0.002	-0.003	126.600	127.000	74.872%	74.616%
2	04:03:45	74.459%	0.187	-0.002	0.019	125.300	123.600	76.331%	76.242%
3	04:04:28	74.980%	0.101	-0.005	0.006	126.600	127.500	76.708%	76.890%
x		74.459%	0.161	-0.003	0.007	126.100	126.000	75.971%	75.916%
σ		0.521%	0.053	0.002	0.011	0.761	2.132	0.970%	1.172%
%RSD		0.699	32.530	54.050	147.200	0.604	1.692	1.277	1.543

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:03:02	0.150	0.165	14.140	14.000	14.180	71.342%
2	04:03:45	0.160	0.181	14.470	13.960	14.300	71.007%
3	04:04:28	0.187	0.171	14.260	14.200	14.250	72.093%
x		0.166	0.172	14.290	14.050	14.240	71.480%
σ		0.019	0.008	0.168	0.131	0.060	0.556%
%RSD		11.730	4.799	1.178	0.930	0.420	0.778

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:11:18	68.121%	0.774	3.113	3.789	0.000	108.900	2498.000	2522.000
2	04:12:01	68.868%	0.488	3.172	3.549	0.000	105.600	2475.000	2513.000
3	04:12:44	69.977%	0.792	3.316	3.759	0.000	107.300	2436.000	2450.000
x		68.989%	0.685	3.200	3.699	0.000	107.300	2470.000	2495.000
σ		0.933%	0.170	0.105	0.131	0.000	1.642	31.780	39.100
%RSD		1.353	24.880	3.266	3.538	0.000	1.531	1.287	1.567

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:11:18	13220.000	460.800	0.000	745.300	3081.000	2914.000	71.812%	119.900
2	04:12:01	13090.000	454.000	0.000	751.000	2842.000	2894.000	72.688%	117.700
3	04:12:44	12820.000	424.800	0.000	735.600	2982.000	2855.000	72.898%	120.200
x		13040.000	446.500	0.000	744.000	2968.000	2887.000	72.466%	119.200
σ		208.200	19.150	0.000	7.814	120.000	30.000	0.576%	1.359
%RSD		1.596	4.290	0.000	1.050	4.041	1.039	0.795	1.140

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:11:18	24.750	15.280	5564.000	25440.000	23880.000	9.851	27.900	17.050
2	04:12:01	24.250	15.200	5513.000	25200.000	23870.000	10.080	26.160	17.110
3	04:12:44	24.020	15.080	5438.000	24800.000	23420.000	9.656	26.190	17.330
x		24.340	15.190	5505.000	25140.000	23720.000	9.863	26.750	17.160
σ		0.373	0.103	63.130	324.100	262.300	0.212	0.995	0.147
%RSD		1.533	0.680	1.147	1.289	1.106	2.152	3.720	0.858

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:11:18	17.330	51.970	52.590	11.410	-0.396	2.285	0.000	15.510
2	04:12:01	17.940	51.040	51.950	10.750	0.086	1.974	0.000	15.670
3	04:12:44	17.020	52.000	52.440	10.390	-0.500	0.249	0.000	15.390
x		17.430	51.670	52.330	10.850	-0.270	1.503	0.000	15.520
σ		0.468	0.549	0.333	0.519	0.313	1.097	0.000	0.140
%RSD		2.682	1.063	0.637	4.783	115.800	73.000	0.000	0.898

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:11:18	0.000	1.383	1.294	72.274%	0.031	0.009	0.018	0.041
2	04:12:01	0.000	1.432	1.389	73.337%	0.018	0.039	0.217	0.229
3	04:12:44	0.000	1.405	1.310	74.448%	0.014	0.028	0.135	0.121
x		0.000	1.407	1.331	73.353%	0.021	0.025	0.123	0.130
σ		0.000	0.024	0.051	1.087%	0.009	0.015	0.100	0.094
%RSD		0.000	1.737	3.824	1.483	41.750	59.350	80.970	72.570

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:11:18	72.161%	0.188	0.027	-0.005	168.600	166.200	74.314%	74.304%
2	04:12:01	74.145%	0.251	0.015	0.003	165.200	165.400	75.989%	76.372%
3	04:12:44	76.232%	0.148	0.014	0.017	163.600	162.900	78.203%	78.065%
x		74.179%	0.196	0.019	0.005	165.800	164.800	76.169%	76.247%
σ		2.035%	0.052	0.007	0.011	2.558	1.706	1.951%	1.884%
%RSD		2.744	26.460	39.410	213.300	1.543	1.035	2.561	2.470

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:11:18	0.182	0.171	15.640	15.470	15.440	70.198%
2	04:12:01	0.146	0.170	15.690	15.380	15.520	71.258%
3	04:12:44	0.136	0.163	15.450	15.130	15.290	72.459%
x		0.155	0.168	15.590	15.330	15.410	71.305%
σ		0.024	0.004	0.126	0.175	0.119	1.131%
%RSD		15.610	2.610	0.810	1.139	0.770	1.587

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:19:32	78.262%	1.010	4.031	4.549	0.000	121.400	94.810	98.120
2	04:20:15	80.387%	0.761	3.373	4.233	0.000	115.900	92.240	92.930
3	04:20:58	80.597%	0.639	5.590	4.495	0.000	116.300	97.490	99.540
x		79.749%	80.311%	86.631%	88.515%	0.000	117.862%	94.848%	96.861%
σ		1.292%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.620	23.590	26.290	3.817	0.000	2.589	2.771	3.594

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:19:32	33.680	387.300	0.000	87.880	96.270	84.850	71.144%	5.616
2	04:20:15	32.200	365.000	0.000	81.500	87.650	62.100	72.062%	5.042
3	04:20:58	32.770	355.100	0.000	80.530	166.000	79.150	72.417%	5.482
x		109.617%	73.831%	0.000	83.303%	116.652%	75.368%	71.874%	107.594%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.657%	n/a
%RSD		2.281	4.475	0.000	4.792	36.850	15.700	0.914	5.584

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:19:32	0.976	2.156	5.250	75.140	47.420	0.576	1.294	2.109
2	04:20:15	1.282	2.340	5.323	73.380	53.010	0.457	1.020	1.990
3	04:20:58	1.021	2.198	5.707	74.860	57.850	0.472	1.149	1.987
x		109.319%	111.565%	1085.321%	148.918%	105.521%	100.338%	115.437%	101.424%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		15.100	4.325	4.526	1.273	9.889	12.880	11.870	3.435

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:19:32	2.034	4.010	3.968	1.201	4.465	5.675	0.000	5.031
2	04:20:15	2.273	3.917	3.936	1.447	3.878	6.097	0.000	5.003
3	04:20:58	2.074	4.202	3.808	0.878	4.477	5.360	0.000	4.939
x		106.334%	80.857%	78.081%	117.531%	85.466%	114.216%	0.000	99.818%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		6.015	3.585	2.177	24.290	8.018	6.473	0.000	0.946

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:19:32	73.248%	4.608	4.864	72.997%	0.938	1.050	0.873	0.945
2	04:20:15	74.455%	5.012	4.772	74.262%	1.105	0.962	0.996	0.930
3	04:20:58	74.165%	5.182	4.756	74.020%	1.042	1.053	1.096	1.106
x		73.956%	98.678%	95.947%	73.760%	102.843%	102.178%	98.843%	99.354%
σ		0.630%	n/a	n/a	0.671%	n/a	n/a	n/a	n/a
%RSD		0.852	5.971	1.209	0.910	8.210	5.058	11.340	9.813

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:19:32	73.373%	5.352	1.964	1.960	10.900	10.170	74.635%	74.832%
2	04:20:15	74.200%	5.226	1.997	1.928	10.480	10.230	76.850%	76.399%
3	04:20:58	74.810%	5.552	1.991	1.903	10.490	10.400	77.328%	76.557%
x		74.127%	107.541%	99.196%	96.498%	106.244%	102.652%	76.271%	75.929%
σ		0.721%	n/a	n/a	n/a	n/a	n/a	1.437%	0.953%
%RSD		0.973	3.058	0.872	1.473	2.278	1.150	1.884	1.256

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:19:32	1.121	0.978	1.077	0.988	1.046	70.264%
2	04:20:15	1.048	1.033	0.994	1.095	1.070	71.299%
3	04:20:58	0.988	1.003	1.032	1.097	1.031	71.661%
x		105.255%	100.453%	103.410%	106.010%	104.891%	71.074%
σ		n/a	n/a	n/a	n/a	n/a	0.725%
%RSD		6.328	2.758	3.985	5.868	1.891	1.020

CRI 787357 4/13/2013 4:27:04 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:47	79.902%	0.660	5.092	4.246	0.000	105.800	96.990	96.470
2	04:28:30	80.921%	0.908	4.139	4.210	0.000	110.500	97.130	96.070
3	04:29:13	82.813%	0.871	4.385	3.986	0.000	104.200	97.680	94.850
x		81.212%	81.304%	90.774%	82.954%	0.000	106.813%	97.267%	95.796%
σ		1.477%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.819	16.410	10.900	3.399	0.000	3.079	0.374	0.881

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:47	32.260	335.900	0.000	73.660	114.300	77.170	73.386%	4.817
2	04:28:30	31.970	331.400	0.000	72.510	57.640	65.310	73.379%	5.129
3	04:29:13	34.060	333.800	0.000	74.220	121.200	76.530	73.406%	5.478
x		109.212%	66.746%	0.000	73.466%	97.709%	73.004%	73.390%	102.825%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.014%	n/a
%RSD		3.449	0.675	0.000	1.185	35.680	9.137	0.019	6.440

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:47	0.796	2.154	5.418	72.430	53.020	0.476	1.274	2.016
2	04:28:30	0.859	2.272	5.403	72.580	55.330	0.482	1.036	2.089
3	04:29:13	1.002	2.279	5.848	74.400	55.450	0.475	1.143	1.821
x		88.582%	111.756%	1111.284%	146.272%	109.199%	95.539%	115.125%	98.762%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		11.880	3.128	4.552	1.498	2.508	0.785	10.360	7.024

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:47	1.939	3.146	3.906	1.280	4.179	5.506	0.000	4.915
2	04:28:30	1.983	3.587	3.919	0.749	4.658	3.415	0.000	4.840
3	04:29:13	2.092	3.697	3.753	1.201	4.662	5.958	0.000	4.978
x		100.225%	69.531%	77.185%	107.635%	89.990%	99.194%	0.000	98.223%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		3.921	8.392	2.400	26.630	6.172	27.350	0.000	1.402

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:47	73.285%	5.025	4.850	72.122%	0.998	1.020	1.000	1.037
2	04:28:30	74.908%	4.970	4.854	72.994%	1.104	1.073	1.151	1.052
3	04:29:13	74.999%	4.642	5.026	73.729%	1.084	0.984	1.013	1.088
x		74.397%	97.580%	98.201%	72.949%	106.191%	102.581%	105.466%	105.884%
σ		0.964%	n/a	n/a	0.805%	n/a	n/a	n/a	n/a
%RSD		1.296	4.241	2.045	1.103	5.313	4.386	7.966	2.476

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:47	72.361%	5.210	2.124	2.066	10.920	10.320	73.436%	73.893%
2	04:28:30	73.732%	5.348	2.043	2.039	10.470	10.170	74.943%	75.292%
3	04:29:13	74.132%	5.289	1.914	1.869	10.670	10.690	76.128%	75.542%
x		73.408%	105.654%	101.331%	99.572%	106.830%	103.925%	74.836%	74.909%
σ		0.929%	n/a	n/a	n/a	n/a	n/a	1.349%	0.889%
%RSD		1.265	1.313	5.221	5.354	2.122	2.546	1.802	1.186

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:47	1.070	1.008	1.116	1.040	1.075	68.844%
2	04:28:30	0.932	1.034	0.980	1.016	1.020	70.565%
3	04:29:13	0.960	0.994	0.991	1.041	1.037	71.340%
x		98.757%	101.200%	102.885%	103.247%	104.393%	70.250%
σ		n/a	n/a	n/a	n/a	n/a	1.278%
%RSD		7.386	2.027	7.314	1.373	2.697	1.819

CCV 781130 4/13/2013 4:35:19 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:02	72.876%	99.590	98.540	95.470	0.000	51360.000	52140.000	52940.000
2	04:36:45	71.897%	103.200	97.990	99.820	0.000	52240.000	53260.000	53330.000
3	04:37:28	72.896%	102.500	102.500	96.900	0.000	50980.000	51740.000	52050.000
x		72.557%	101.761%	99.668%	97.399%	0.000	103.052%	104.762%	105.540%
σ		0.571%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.787	1.878	2.446	2.278	0.000	1.263	1.504	1.240
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:02	529.000	5048.000	0.000	53940.000	50710.000	49290.000	73.254%	100.400
2	04:36:45	537.000	5085.000	0.000	53730.000	51380.000	49600.000	73.900%	103.800
3	04:37:28	527.400	4983.000	0.000	52600.000	51010.000	48990.000	73.590%	100.700
x		106.225%	100.772%	0.000	106.847%	102.072%	98.585%	73.581%	101.641%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.323%	n/a
%RSD		0.973	1.024	0.000	1.346	0.657	0.614	0.439	1.844
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:02	101.100	101.100	508.800	26720.000	25390.000	103.600	104.300	103.900
2	04:36:45	102.100	102.400	508.000	26590.000	25460.000	104.400	102.900	102.800
3	04:37:28	101.400	101.400	504.600	26010.000	25130.000	102.100	102.900	100.500
x		101.521%	101.646%	101.431%	105.762%	101.312%	103.371%	103.380%	102.419%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.514	0.634	0.440	1.417	0.687	1.146	0.768	1.673
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:02	104.600	97.740	97.670	100.300	97.170	97.920	0.000	102.700
2	04:36:45	102.800	98.410	99.680	100.800	99.850	102.600	0.000	104.200
3	04:37:28	101.400	97.930	95.750	97.020	97.420	99.360	0.000	102.100
x		102.925%	98.028%	97.698%	99.365%	98.147%	99.961%	0.000	103.015%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.579	0.353	2.008	2.059	1.509	2.393	0.000	1.058
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:02	71.282%	101.900	100.300	70.277%	104.500	103.100	105.100	104.800
2	04:36:45	72.173%	107.100	105.800	70.759%	105.000	106.300	105.800	105.800
3	04:37:28	72.652%	105.300	104.100	71.506%	103.000	103.900	102.700	103.200
x		72.035%	104.753%	103.412%	70.847%	104.150%	104.424%	104.530%	104.617%
σ		0.695%	n/a	n/a	0.620%	n/a	n/a	n/a	n/a
%RSD		0.965	2.529	2.717	0.875	1.018	1.560	1.536	1.262
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:02	68.959%	104.300	103.000	103.500	106.800	106.400	71.698%	72.050%
2	04:36:45	70.325%	104.600	103.000	104.500	105.400	107.900	72.838%	73.343%
3	04:37:28	71.886%	102.300	102.400	102.700	106.000	106.500	74.915%	74.275%
x		70.390%	103.732%	102.796%	103.536%	106.086%	106.947%	73.150%	73.223%
σ		1.464%	n/a	n/a	n/a	n/a	n/a	1.631%	1.118%
%RSD		2.080	1.180	0.319	0.870	0.678	0.809	2.229	1.526
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:36:02	106.100	106.200	106.500	105.800	106.400	65.940%		
2	04:36:45	107.200	108.000	108.000	107.600	108.300	66.916%		
3	04:37:28	106.800	106.600	106.800	107.800	107.500	67.463%		
x		106.710%	106.905%	107.107%	107.091%	107.422%	66.773%		
σ		n/a	n/a	n/a	n/a	n/a	0.772%		
%RSD		0.510	0.879	0.751	1.067	0.906	1.155		

CCB10 4/13/2013 4:43:35 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

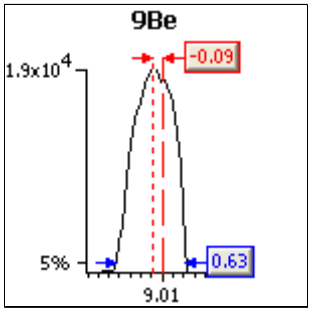
Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:18	87.259%	0.079	0.064	0.387	0.000	-13.400	7.638	9.497
2	04:45:01	85.394%	0.050	0.578	0.581	0.000	10.230	17.510	17.650
3	04:45:44	89.727%	0.000	0.354	0.143	0.000	-9.975	11.350	12.790
x		87.460%	0.043	0.332	0.370	0.000	-4.379	12.170	13.310
σ		2.174%	0.040	0.258	0.219	0.000	12.770	4.987	4.101
%RSD		2.485	92.930	77.730	59.230	0.000	291.600	41.000	30.800
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:18	-0.000	-220.700	0.000	-39.100	13.600	-33.830	90.150%	0.159
2	04:45:01	0.448	-192.900	0.000	-24.490	19.550	-30.960	89.765%	0.015
3	04:45:44	0.036	-218.400	0.000	-38.900	23.990	-32.390	93.414%	0.152
x		0.161	-210.700	0.000	-34.160	19.050	-32.390	91.109%	0.109
σ		0.249	15.420	0.000	8.381	5.216	1.433	2.005%	0.081
%RSD		154.400	7.321	0.000	24.530	27.390	4.423	2.201	74.710
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:18	-0.018	0.073	0.108	1.101	2.804	-0.003	0.015	-0.098
2	04:45:01	0.009	0.075	0.360	3.866	6.970	0.021	-0.031	-0.097
3	04:45:44	0.020	0.104	0.222	0.701	5.105	0.024	0.025	-0.122
x		0.004	0.084	0.230	1.890	4.960	0.014	0.003	-0.106
σ		0.019	0.017	0.126	1.724	2.087	0.015	0.030	0.014
%RSD		514.100	20.550	54.890	91.220	42.080	103.400	1014.000	13.630
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:18	-0.037	-1.089	-0.961	-0.450	-0.826	-2.314	0.000	0.016
2	04:45:01	-0.085	-0.988	-1.013	-0.053	-0.720	0.095	0.000	0.047
3	04:45:44	-0.036	-1.090	-1.107	-0.097	-1.363	-0.479	0.000	0.049
x		-0.052	-1.056	-1.027	-0.200	-0.970	-0.900	0.000	0.037
σ		0.028	0.059	0.074	0.218	0.345	1.258	0.000	0.019
%RSD		53.510	5.547	7.209	108.800	35.540	139.900	0.000	49.910
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:18	78.950%	0.144	0.158	88.165%	0.022	-0.008	-0.047	-0.037
2	04:45:01	78.993%	0.106	0.249	88.671%	0.013	0.014	-0.026	0.014
3	04:45:44	82.462%	0.133	0.148	91.957%	0.018	0.015	-0.006	0.042
x		80.135%	0.128	0.185	89.598%	0.018	0.007	-0.026	0.007
σ		2.015%	0.019	0.055	2.059%	0.004	0.013	0.021	0.040
%RSD		2.515	15.230	29.980	2.298	24.100	195.200	79.060	597.900
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:18	82.143%	0.044	-0.004	-0.022	0.022	0.034	82.210%	82.809%
2	04:45:01	82.557%	0.086	0.003	0.018	0.081	0.054	84.021%	83.827%
3	04:45:44	85.660%	0.041	0.001	-0.001	0.008	0.038	87.310%	86.860%
x		83.454%	0.057	-0.000	-0.002	0.037	0.042	84.514%	84.499%
σ		1.922%	0.025	0.003	0.020	0.039	0.010	2.585%	2.107%
%RSD		2.303	43.950	1601.000	1224.000	105.100	24.770	3.059	2.493
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:44:18	0.035	0.032	0.023	0.032	0.015	76.285%		
2	04:45:01	0.041	0.058	0.023	0.021	0.031	77.720%		
3	04:45:44	0.021	0.027	0.026	0.031	0.028	79.981%		
x		0.032	0.039	0.024	0.028	0.025	77.995%		
σ		0.010	0.016	0.002	0.006	0.008	1.863%		
%RSD		31.170	42.460	7.638	21.560	34.360	2.389		

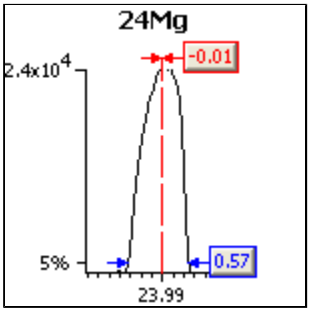
Performance Report

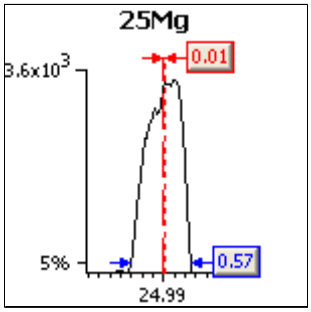
Sample details
Sample name : ITUNE
Acquired at : 4/12/2013 12:07:28 PM
Report name : EPA ILMO5.2/6020A 2.1 [3/15/2013 11:49:53 AM]

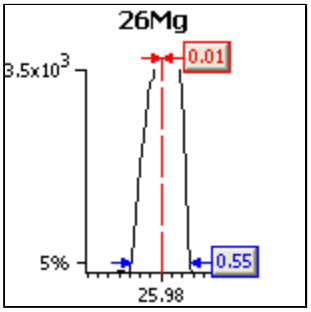
Mass Calibration verification

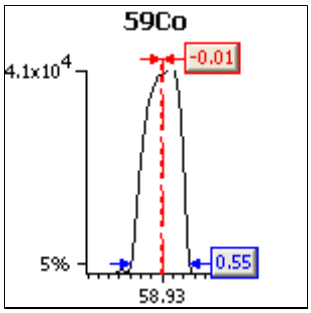
Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum

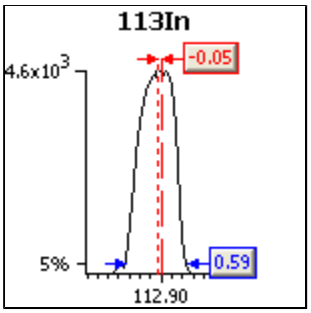


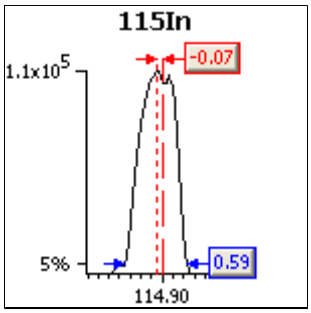


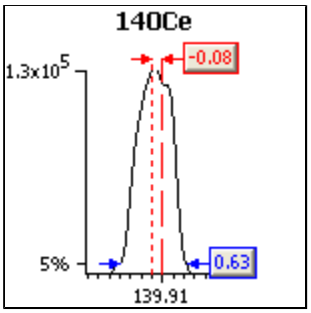


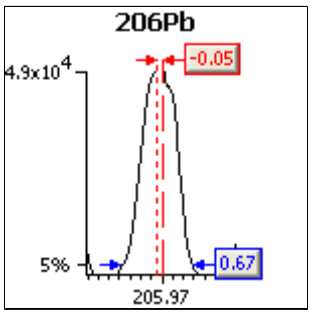


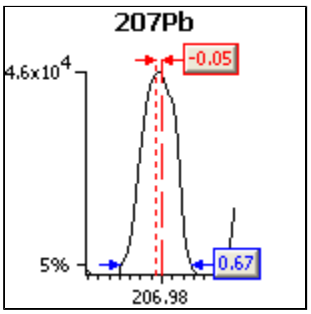


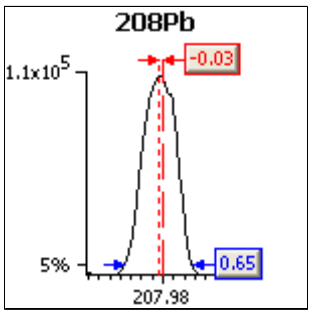












Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.63	-0.09
24Mg	0.90	0.45	0.10	0.57	-0.01
25Mg	0.90	0.45	0.10	0.57	0.01
26Mg	0.90	0.45	0.10	0.55	0.01
59Co	0.90	0.45	0.10	0.55	-0.01
113In	0.90	0.45	0.10	0.59	-0.05
115In	0.90	0.45	0.10	0.59	-0.07
140Ce	0.90	0.45	0.10	0.63	-0.08
206Pb	0.90	0.45	0.10	0.67	-0.05
207Pb	0.90	0.45	0.10	0.67	-0.05
208Pb	0.90	0.45	0.10	0.65	-0.03

Sample details
Sample name : ITUNE
Acquired at : 4/12/2013 12:07:28 PM
Report name : EPA ILMO5.2/6020A 2.1 [3/15/2013 11:49:53 AM]

Tune conditions

Major	
Extraction	-251
Lens 1	1.2
Focus	23.9
D1	-42.4
Pole Bias	3.0
Hexapole Bias	-3.0
Nebuliser	0.84
Sampling Depth	150

Minor	
Lens 2	-29.0
Lens 3	-198.4
Forward power	1302
Horizontal	86
Vertical	282
D2	-160
DA	-80.0
Cool	18.0
Auxiliary	0.90

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>500	>500	>500	>500	-	>5000	-
1	12:08:16 PM	0	19912	26636	3556	4112	100279	42239	1
2	12:09:41 PM	0	19711	25590	3368	3969	97573	42078	1
3	12:11:06 PM	0	19755	24957	3242	3884	95838	41994	1
4	12:12:32 PM	0	19820	26191	3569	4032	98760	42367	1
5	12:13:57 PM	0	19870	26888	3491	4064	100415	42499	1
x		0	19814	26052	3445	4012	98573	42235	1
σ		0.11	81.90	786.22	138.49	88.25	1924.60	206.44	0.30
%RSD		28.330	0.413	3.018	4.020	2.200	1.952	0.489	24.845

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	12:08:16 PM	11	0	4127	100895	771	119559	1330	52620
2	12:09:41 PM	8	0	4276	102014	767	119134	1326	52759
3	12:11:06 PM	10	0	4306	100968	673	119585	1316	53034
4	12:12:32 PM	10	0	4228	101203	691	120607	1335	52923
5	12:13:57 PM	8	0	4285	101734	765	121078	1311	53358
x		10	0	4244	101363	733	119993	1324	52939
σ		1.08	0.14	71.41	490.50	47.17	813.63	10.15	282.22
%RSD		11.374	73.193	1.683	0.484	6.432	0.678	0.767	0.533

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	12:08:16 PM	46656	112423	0
2	12:09:41 PM	46903	112621	0
3	12:11:06 PM	46620	112937	0
4	12:12:32 PM	46860	113853	0
5	12:13:57 PM	47292	114142	0
x		46866	113195	0
σ		267.87	761.57	0.06
%RSD		0.572	0.673	69.722

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	12:08:16 PM	0
2	12:09:41 PM	0

3	12:11:06 PM	0
4	12:12:32 PM	0
5	12:13:57 PM	0
x		0.0110
σ		0.00
%RSD		1.1470

Result : The performance report passed.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Batch Number: 79493 Batch Start Date: 03/26/13 14:25 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 03/26/13 14:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00477	MTHGCALW 00338	MTKMN04W 00040	
MB 240-79493/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-79493/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-22141-C-19	079SS-0202-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-22141-C-20	079SS-0203-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-22141-C-28	079SS-0212-0001-SO	7471A, 7471/DOD	T	0.51 g	100 mL	5 mL		15 mL	
240-22141-C-29	079SS-0213-0001-SO	7471A, 7471/DOD	T	0.52 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	383364-383366-383389
Digestion Tube/Cup Lot #	122612

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Batch Number: 79547 Batch Start Date: 03/26/13 16:20 Batch Analyst: Toth, Roger

Batch Method: 7471A Batch End Date: 03/26/13 16:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00478	MTHGCALW 00339	MTHgStd 00009	MTKMN04W 00040
ICV 240-79547/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.25 mL	15 mL
ICB 240-79547/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-79547/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-79547/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-79547/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364 383366
Digestion Tube/Cup Lot #	122612

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Batch Number: 79646 Batch Start Date: 03/27/13 14:30 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 03/27/13 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00480	MTHGCALW 00340	MTKMN04W 00040	
MB 240-79646/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-79646/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-22141-B-1-A	079SS-0182M-0001-SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	
240-22141-B-1-A DU	079SS-0182M-0001-SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	
240-22141-B-1-A MS	079SS-0182M-0001-SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL	1 mL	15 mL	
240-22141-B-2-A	079SS-0184M-0001-SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL		15 mL	
240-22141-B-3-A	079SS-0185M-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-22141-B-4-A	079SS-0186M-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-22141-B-5-A	079SS-0187M-0001-SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-22141-B-6-A	079SS-0188M-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-22141-B-7-A	079SS-0189M-0001-SO	7471A, 7471/DOD	T	0.57 g	100 mL	5 mL		15 mL	
240-22141-B-8-A	079SS-0190M-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	
240-22141-B-9-A	079SS-0191M-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-22141-B-10-A	079SS-0192M-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-22141-B-11-A	079SS-0193M-0001-SO	7471A, 7471/DOD	T	0.57 g	100 mL	5 mL		15 mL	
240-22141-B-12-A	079SB-0195M-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-22141-B-13-A	079SB-0196M-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-22141-B-14-A	079SB-0197M-0001-SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-22141-B-15-A	079SB-0198M-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-22141-B-16-A	079SB-0199M-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	
240-22141-B-17-A	079SB-0200M-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Batch Number: 79646 Batch Start Date: 03/27/13 14:30 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 03/27/13 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00480	MTHGCALW 00340	MTKMN04W 00040	
240-22141-B-18-A	079SB-0201M-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-22141-B-21-A	079SB-0204M-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	
240-22141-B-22-A	079SB-0206M-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	383364-383366-383389
Digestion Tube/Cup Lot #	122612

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Batch Number: 79782 Batch Start Date: 03/28/13 15:10 Batch Analyst: Sutherland, Aaron

Batch Method: 7471A Batch End Date: 03/28/13 15:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00481	MTHGCALW 00341	MTKMN04W 00040	
MB 240-79782/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-79782/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-22141-B-23-A	079SB-0207M-0001-SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	
240-22141-B-23-A MS	079SB-0207M-0001-SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL	1 mL	15 mL	
240-22141-B-23-A DU	079SB-0207M-0001-SO	7471A, 7471/DOD	T	0.60 g	100 mL	5 mL		15 mL	
240-22141-B-24-A	079SB-0208M-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-22141-B-25-A	079SB-0209M-0001-SO	7471A, 7471/DOD	T	0.52 g	100 mL	5 mL		15 mL	
240-22141-B-26-A	079SB-0210M-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-22141-B-27-A	079SB-0211M-0001-SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-22141-B-30-A	079SS-0317M-0001-SO	7471A, 7471/DOD	T	0.51 g	100 mL	5 mL		15 mL	
240-22141-B-31-A	079SS-0318M-0001-SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b038
Pipette ID	383364-383366-383389
Digestion Tube/Cup Lot #	122612

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Batch Number: 80224 Batch Start Date: 04/02/13 09:25 Batch Analyst: Sutherland, Aaron

Batch Method: 7471A Batch End Date: 04/02/13 09:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00484	MTHGCALW 00345	MTHgStd 00009	MTKMN04W 00040
ICV 240-80224/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.25 mL	15 mL
ICB 240-80224/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-80224/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-80224/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-80224/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383366-383364-383389
Digestion Tube/Cup Lot #	122612

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Batch Number: 67702 Batch Start Date: 03/29/13 09:00 Batch Analyst: Ferguson, Caitlin N

Batch Method: 3050B Batch End Date: 03/29/13 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MTAPITTICPMS 00014	MTAPITTMSA 00014	MTAPITTMSC 00018
MB 180-67702/1		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.16 g	100 mL			
LCS 180-67702/2		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.09 g	100 mL	1 mL	1 mL	1 mL
240-22141-B-1	079SS-0182M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.10 g	100 mL			
240-22141-B-1 MS	079SS-0182M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.07 g	100 mL	1 mL	1 mL	1 mL
240-22141-B-1 MSD	079SS-0182M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.07 g	100 mL	1 mL	1 mL	1 mL
240-22141-B-2	079SS-0184M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.05 g	100 mL			
240-22141-B-3	079SS-0185M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.12 g	100 mL			
240-22141-B-4	079SS-0186M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.16 g	100 mL			
240-22141-B-5	079SS-0187M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.05 g	100 mL			
240-22141-B-6	079SS-0188M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.04 g	100 mL			
240-22141-B-7	079SS-0189M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.05 g	100 mL			
240-22141-B-8	079SS-0190M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.05 g	100 mL			
240-22141-B-9	079SS-0191M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.08 g	100 mL			
240-22141-B-10	079SS-0192M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.01 g	100 mL			
240-22141-B-11	079SS-0193M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.13 g	100 mL			
240-22141-B-12	079SB-0195M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.06 g	100 mL			
240-22141-B-13	079SB-0196M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.11 g	100 mL			
240-22141-B-14	079SB-0197M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.11 g	100 mL			
240-22141-B-15	079SB-0198M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.15 g	100 mL			
240-22141-B-16	079SB-0199M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.09 g	100 mL			
240-22141-B-17	079SB-0200M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.02 g	100 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Batch Number: 67702 Batch Start Date: 03/29/13 09:00 Batch Analyst: Ferguson, Caitlin N

Batch Method: 3050B Batch End Date: 03/29/13 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MTAPITTICPMS 00014	MTAPITTMSA 00014	MTAPITTMSC 00018
240-22141-B-18	079SB-0201M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.14 g	100 mL			
240-22141-B-19	079SS-0202-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.14 g	100 mL			
240-22141-B-20	079SS-0203-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.14 g	100 mL			

Batch Notes	
Analyst	CNF
Balance ID	P1856710
Batch Comment	METALS C3
First End time	13:00
Filter Paper Lot Number	7027633A
Hydrogen peroxide lot number	10mL 762049
Logbook ID for diluted Nitric	10mL 775132
Lot # of Nitric Acid	5mL 762846
Hot Block ID number	#10
Nominal Amount Used	1.0 g
Oven, Bath or Block Temperature 1	94 Degrees C
Pipette ID	J1201611U
Person's name who witnessed reagent drop	CNF
Perform Calculation (0=No, 1=Yes)	1
First Start time	09:00
Temperature	94 Degrees C
ID number of the thermometer	IP9 (0.0) C4
Digestion Tube/Cup Lot #	MF06LKK01 / 130102
Uncorrected Temperature	94 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Batch Number: 67705 Batch Start Date: 03/29/13 09:00 Batch Analyst: Ferguson, Caitlin N

Batch Method: 3050B Batch End Date: 03/29/13 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MTAPITTICPMS 00014	MTAPITTMSA 00014	MTAPITTMSC 00018
MB 180-67705/1		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.05 g	100 mL			
LCS 180-67705/2		3050B, 6020/DOD		NO %SOLIDS FOUND	00001.09 g	100 mL	1 mL	1 mL	1 mL
240-22141-B-21	079SB-0204M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.10 g	100 mL			
240-22141-B-21 MS	079SB-0204M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.11 g	100 mL	1 mL	1 mL	1 mL
240-22141-B-21 MSD	079SB-0204M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.07 g	100 mL	1 mL	1 mL	1 mL
240-22141-B-22	079SB-0206M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.08 g	100 mL			
240-22141-B-23	079SB-0207M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.17 g	100 mL			
240-22141-B-24	079SB-0208M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.18 g	100 mL			
240-22141-B-25	079SB-0209M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.09 g	100 mL			
240-22141-B-26	079SB-0210M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.11 g	100 mL			
240-22141-B-27	079SB-0211M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.10 g	100 mL			
240-22141-B-28	079SS-0212-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.14 g	100 mL			
240-22141-B-29	079SS-0213-0001-SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.08 g	100 mL			
240-22141-B-30	079SS-0317M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.16 g	100 mL			
240-22141-B-31	079SS-0318M-0001 -SO	3050B, 6020/DOD	T	NO %SOLIDS FOUND	00001.05 g	100 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-22141-1

SDG No.:

Batch Number: 67705 Batch Start Date: 03/29/13 09:00 Batch Analyst: Ferguson, Caitlin N

Batch Method: 3050B Batch End Date: 03/29/13 13:00

Batch Notes	
Analyst	CNF
Balance ID	P1856710
Batch Comment	METALS C3
First End time	13:00
Filter Paper Lot Number	7027633A
Hydrogen peroxide lot number	10mL 762049
Logbook ID for diluted Nitric	10mL 775132
Lot # of Nitric Acid	5mL 762846
Hot Block ID number	#9
Nominal Amount Used	1.0 g
Oven, Bath or Block Temperature 1	95 Degrees C
Pipette ID	J1201611U
Person's name who witnessed reagent drop	CNF
Perform Calculation (0=No, 1=Yes)	1
First Start time	09:00
Temperature	95 Degrees C
ID number of the thermometer	IP8 (0.0) F4
Digestion Tube/Cup Lot #	MF06LKK01 / 130102
Uncorrected Temperature	95 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-22141-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
079SS-0182M-0001-SO	240-22141-1
079SS-0184M-0001-SO	240-22141-2
079SS-0185M-0001-SO	240-22141-3
079SS-0186M-0001-SO	240-22141-4
079SS-0187M-0001-SO	240-22141-5
079SS-0188M-0001-SO	240-22141-6
079SS-0189M-0001-SO	240-22141-7
079SS-0190M-0001-SO	240-22141-8
079SS-0191M-0001-SO	240-22141-9
079SS-0192M-0001-SO	240-22141-10
079SS-0193M-0001-SO	240-22141-11
079SB-0195M-0001-SO	240-22141-12
079SB-0196M-0001-SO	240-22141-13
079SB-0197M-0001-SO	240-22141-14
079SB-0198M-0001-SO	240-22141-15
079SB-0199M-0001-SO	240-22141-16
079SB-0200M-0001-SO	240-22141-17
079SB-0201M-0001-SO	240-22141-18
079SS-0202-0001-SO	240-22141-19
079SS-0203-0001-SO	240-22141-20
079SB-0204M-0001-SO	240-22141-21
079SB-0206M-0001-SO	240-22141-22
079SB-0207M-0001-SO	240-22141-23
079SB-0208M-0001-SO	240-22141-24
079SB-0209M-0001-SO	240-22141-25
079SB-0210M-0001-SO	240-22141-26
079SB-0211M-0001-SO	240-22141-27
079SS-0212-0001-SO	240-22141-28
079SS-0213-0001-SO	240-22141-29
079SS-0317M-0001-SO	240-22141-30
079SS-0318M-0001-SO	240-22141-31

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-22141-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-22141-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 03/28/2013 15:16 End Date: 03/28/2013 15:16

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			15:16	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 03/28/2013 15:16 End Date: 03/28/2013 15:16

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			15:16																				
ZZZZZZ			15:16																				
ZZZZZZ			15:16																				
ZZZZZZ			15:16																				
240-22141-1	1	T	15:16	X	X																		
240-22141-2	1	T	15:16	X	X																		
240-22141-3	1	T	15:16	X	X																		
240-22141-4	1	T	15:16	X	X																		
240-22141-5	1	T	15:16	X	X																		
240-22141-6	1	T	15:16	X	X																		
240-22141-7	1	T	15:16	X	X																		
240-22141-8	1	T	15:16	X	X																		
240-22141-9	1	T	15:16	X	X																		
240-22141-10 DU	1	T	15:16	X	X																		
240-22141-10	1	T	15:16	X	X																		
240-22141-11	1	T	15:16	X	X																		
240-22141-12	1	T	15:16	X	X																		
240-22141-13	1	T	15:16	X	X																		
240-22141-14	1	T	15:16	X	X																		
240-22141-15	1	T	15:16	X	X																		
240-22141-16	1	T	15:16	X	X																		
240-22141-17	1	T	15:16	X	X																		
240-22141-18	1	T	15:16	X	X																		
240-22141-19	1	T	15:16	X	X																		
240-22141-20 DU	1	T	15:16	X	X																		
240-22141-20	1	T	15:16	X	X																		
240-22141-21	1	T	15:16	X	X																		
240-22141-22	1	T	15:16	X	X																		
240-22141-23	1	T	15:16	X	X																		
240-22141-24	1	T	15:16	X	X																		
240-22141-25	1	T	15:16	X	X																		
240-22141-26	1	T	15:16	X	X																		
240-22141-27	1	T	15:16	X	X																		
240-22141-28	1	T	15:16	X	X																		
240-22141-29	1	T	15:16	X	X																		
240-22141-30 DU	1	T	15:16	X	X																		
240-22141-30	1	T	15:16	X	X																		
240-22141-31	1	T	15:16	X	X																		

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Batch Number: 79830 Batch Start Date: 03/28/13 15:16 Batch Analyst: Woodward, Bruce

Batch Method: Moisture Batch End Date: 03/29/13 10:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-22141-A-1	079SS-0182M-0001-SO	Moisture	T	4.4306 g	8.1770 g	8.1140 g			
240-22141-A-2	079SS-0184M-0001-SO	Moisture	T	4.4306 g	11.1930 g	11.0625 g			
240-22141-A-3	079SS-0185M-0001-SO	Moisture	T	4.4306 g	7.7711 g	7.7197 g			
240-22141-A-4	079SS-0186M-0001-SO	Moisture	T	4.4306 g	8.8143 g	8.7434 g			
240-22141-A-5	079SS-0187M-0001-SO	Moisture	T	4.4306 g	9.9420 g	9.8566 g			
240-22141-A-6	079SS-0188M-0001-SO	Moisture	T	4.4306 g	8.8003 g	8.7277 g			
240-22141-A-7	079SS-0189M-0001-SO	Moisture	T	4.4306 g	8.3725 g	8.3154 g			
240-22141-A-8	079SS-0190M-0001-SO	Moisture	T	4.4306 g	11.2346 g	11.1406 g			
240-22141-A-9	079SS-0191M-0001-SO	Moisture	T	4.4306 g	8.4708 g	8.4076 g			
240-22141-A-10 DU	079SS-0192M-0001-SO	Moisture	T	4.4306 g	6.6048 g	6.5774 g			
240-22141-A-10	079SS-0192M-0001-SO	Moisture	T	4.4306 g	9.0738 g	9.0102 g			
240-22141-A-11	079SS-0193M-0001-SO	Moisture	T	4.4306 g	11.5993 g	11.4982 g			
240-22141-A-12	079SB-0195M-0001-SO	Moisture	T	4.4306 g	12.5836 g	12.4372 g			
240-22141-A-13	079SB-0196M-0001-SO	Moisture	T	4.4306 g	15.1054 g	14.9831 g			
240-22141-A-14	079SB-0197M-0001-SO	Moisture	T	4.4306 g	11.0118 g	10.9346 g			
240-22141-A-15	079SB-0198M-0001-SO	Moisture	T	4.4306 g	16.7346 g	16.5815 g			
240-22141-A-16	079SB-0199M-0001-SO	Moisture	T	4.4306 g	17.5500 g	17.4230 g			
240-22141-A-17	079SB-0200M-0001-SO	Moisture	T	4.4306 g	13.9707 g	13.8665 g			
240-22141-A-18	079SB-0201M-0001-SO	Moisture	T	4.4306 g	16.3226 g	16.1918 g			
240-22141-A-19	079SS-0202-0001-SO	Moisture	T	4.4306 g	18.2992 g	15.7835 g			
240-22141-A-20 DU	079SS-0203-0001-SO	Moisture	T	4.4306 g	11.2575 g	10.0686 g			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Batch Number: 79830 Batch Start Date: 03/28/13 15:16 Batch Analyst: Woodward, Bruce

Batch Method: Moisture Batch End Date: 03/29/13 10:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-22141-A-20	079SS-0203-0001-SO	Moisture	T	4.4306 g	11.9578 g	10.5647 g			
240-22141-A-21	079SB-0204M-0001-SO	Moisture	T	4.4306 g	15.2474 g	15.0480 g			
240-22141-A-22	079SB-0206M-0001-SO	Moisture	T	4.4306 g	15.9494 g	15.8706 g			
240-22141-A-23	079SB-0207M-0001-SO	Moisture	T	4.4306 g	13.1167 g	13.0153 g			
240-22141-A-24	079SB-0208M-0001-SO	Moisture	T	4.4306 g	11.0478 g	10.9467 g			
240-22141-A-25	079SB-0209M-0001-SO	Moisture	T	4.4306 g	14.3691 g	14.2408 g			
240-22141-A-26	079SB-0210M-0001-SO	Moisture	T	4.4306 g	12.2238 g	12.1410 g			
240-22141-A-27	079SB-0211M-0001-SO	Moisture	T	4.4306 g	13.7590 g	13.6608 g			
240-22141-A-28	079SS-0212-0001-SO	Moisture	T	4.4306 g	20.9194 g	17.9198 g			
240-22141-A-29	079SS-0213-0001-SO	Moisture	T	4.4306 g	21.0306 g	18.0087 g			
240-22141-A-30 DU	079SS-0317M-0001-SO	Moisture	T	4.4306 g	6.3190 g	6.2919 g			
240-22141-A-30	079SS-0317M-0001-SO	Moisture	T	4.4306 g	6.9393 g	6.9022 g			
240-22141-A-31	079SS-0318M-0001-SO	Moisture	T	4.4306 g	10.2469 g	10.1634 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	3/28/13
Oven Temp when samples are put in oven	98.2 Degrees C
Time samples were place in the oven	16:45
Date samples were removed from oven	3/29/13
Time Samples were removed from oven	4:50
Oven ID	002
ID number of the thermometer	TempGuard BOX-C #6
Uncorrected Out Temperature	98.4 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-22141-1

SDG No.:

Batch Number: 79830 Batch Start Date: 03/28/13 15:16 Batch Analyst: Woodward, Bruce

Batch Method: Moisture Batch End Date: 03/29/13 10:45

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECC	Client Project Manager: A. EASTERDAY	Site Contact: J. DONOVAN	Lab Contact: MARK LORD	COC No: 048791
Address: 33 BOSTON POST RD WEST #420	Telephone:	Telephone: 508 5091784	Telephone:	1 of 3 COCs
City/State/Zip: MARLBORO MA 01752	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below STAND-ARD ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: RAVENNA	Method of Shipment/Carrier: LAB PICK UP			Job/SDG No:
Project Number:	Shipping/Tracking No:			
PO #				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other:	Filtered Sample (Y / N)	Composite=C / Grab=G	TAL METALS	Sample Specific Notes / Special Instructions:
07955-0182M-0001-SO	3-18-13	1007				X							X				X	
~~07955-0183M-0001-SO~~ QN		~~1010~~																
07955-0184M-0001-SO	3-18-13	1040																
07955-0185M-0001-SO		1415																
07955-0186M-0001-SO		1100																
07955-0187M-0001-SO		1130																
07955-0188M-0001-SO		1405																
07955-0189M-0001-SO		1225																
07955-0190M-0001-SO		1230																
07955-0191M-0001-SO		1430																

240-22141 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
"M" SAMPLES ARE 15M

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ECC	3/19/13 1600	[signature]	TAL-NC	3-19-13 1630
[signature]	TAL-NC	3-19-13 1716			
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			[signature]	TAL	3/19/13 1716

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TAL 0018-I (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECC	Client Project Manager: A. EASTMAN	Site Contact: JT DONOVAN	Lab Contact: MARK COLE	COC No: 048792
Address: 33 BOSTON POST RD WEST #420	Telephone:	Telephone: 508 309 1784	Telephone:	2 of 3 COCs
City/State/Zip: MARLBORO MA 01852	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below: STANDARD ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: RAYTHEON	Method of Shipment/Carrier: LAB PICK UP			Job/SDG No:
Project Number:	Shipping/Tracking No:			
PO #				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	TAL METALS	Sample Specific Notes / Special Instructions:
07955-0192M-0001-SO	3-18-13	1318				X							X				X	
07955-0193M-0001-SO		1530																
07955-0195M-0001-SO		1446																
07955-0196M-0001-SO		1447																
07955-0197M-0001-SO		1425																
07955-0198M-0001-SO		1340																
07955-0199M-0001-SO		1233																
07955-0200M-0001-SO		1143																
07955-0201M-0001-SO		1255																
07955-0202-0001-SO		1253																DISCRETE

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
07955-0202-0001-SO IS DISCRETE - DO NOT ISM - DO NOT ORV ALL "M" SAMPLES ARE ISM
TAI-NC

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	ECC	3/19/13 1630		3-19-13	3-19-13 1630
Relinquished by: RC Gibson	Company: TAI-NC	Date/Time: 3-19-13 1716	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TAL	Date/Time: 3/19/13 1716

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TAL 0018- 1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: K2 CC	Client Project Manager: A. EASTERDAY	Site Contact: J. DONOVAN	Lab Contact: MARK GOEB	COC No: 048793
Address: 33 BOSTON POST RD WEST #420	Telephone:	Telephone: 508 309 1784	Telephone:	3 of 3 COCs
City/State/Zip: MARLBORO MA	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below ____ STANDARD ☐ 5 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		☐ Walk-in client ☐ Lab pickup ☐ Lab sampling
Project Name:	Method of Shipment/Carrier: LAB PICK UP			
Project Number:	Shipping/Tracking No:			Job/SDG No:

PO #	Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	TAL METALS	Sample Specific Notes / Special Instructions:
07955	~~07955~~-0203-0001-SO	3-18-13	1255				X							X				X	DISCRETE
	0795B-0204M-0001-SO		1908																
	0795B-0205M-0001-SO		1810																-0206M-0001-SO
	0795B-0207M-0001-SO		1556																
	0795B-0208M-0001-SO		1610																
	0795B-0209M-0001-SO		1805																
	0795B-0210M-0001-SO		1815																
	0795B-0211M-0001-SO		1600																
	07955-0212-0001-SO		1640																DISCRETE
	07955-0213-0001-SO		1642																DISCRETE

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
07955-0212-0001-SO + -0213 ARE DISCRETE, MS/MSD ON 0203-0001-SO ONLY "M" ARE MS

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	K2 CC	3/19/13 1630	[signature]	TAL-NC	3-19-13-1630
[signature]	TAL-NC	3-19-13-1716			
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			[signature]	TAL	3/19/13 1716

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TAL 0018- 1 (04/10)

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 22141

Client CCC Site Name _____ By: _____

Cooler Received on 3-19-13 Opened on _____ (Signature)

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off ~~TestAmerica Courier~~ Other _____

~~TestAmerica Cooler #~~ AB#: 5/1679 Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –2 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	☑ Multiple on Back
IR GUN# 4G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 5G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 8	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____	Yes No	
-Were custody seals on the outside of the cooler(s) signed & dated?	Yes No	NA
-Were custody seals on the bottle(s)?	Yes No	
3. Shippers' packing slip attached to the cooler(s)?	Yes No	
4. Did custody papers accompany the sample(s)?	Yes No	
5. Were the custody papers relinquished & signed in the appropriate place?	Yes No	
6. Did all bottles arrive in good condition (Unbroken)?	Yes No	
7. Could all bottle labels be reconciled with the COC?	Yes No	
8. Were correct bottle(s) used for the test(s) indicated?	Yes No	
9. Sufficient quantity received to perform indicated analyses?	Yes No	
10. Were sample(s) at the correct pH upon receipt?	Yes No	NA
11. Were VOAs on the COC?	Yes No	
12. Were air bubbles >6 mm in any VOA vials?	Yes No	NA
13. Was a trip blank present in the cooler(s)?	Yes No	

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Received 1 liter each

*07955-0317M-0001-50 3-18-13 at 1700

*07955-0318M-0001-50 3-18-13 at 1705

Will log for metals per test marked on sample labels

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-22141-1

Login Number: 22141
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 03/26/13 02:06 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	